APPENDIX A

NOTICE OF PREPARATION AND CORRESPONDENCE

City of Rialto
California

CLERK OF THE BOARD
Received on: 12/08/2020
Remove on: 01/22/2020

Date: December 2, 2020

To: Responsible and Trustee Agents/Interested Organizations and Individuals

Subject: Notice of Preparation (NOP) of a Draft Environmental Report and Notice of a Public Scoping Meeting (Scoping Meeting) for the Olive Avenue Development Project

CLERK OF THE BOARD OF SUPERVISORS
2020 DEC -8 PM 4:36
COUNTY OF SAN BERNARDINO
CALIFORNIA

Lead Agency
City of Rialto, Planning Department
150 S. Palm Avenue
Rialto, CA 92376
Attention: Karen Peterson

Consulting Firm
Kimley-Horn and Associates, Inc.
401 B Street, Suite 600
San Diego, CA 92101
Attention: Casey Schooner

Due to the time limits mandated by State law, we request that your response to this Notice of Preparation (NOP) be sent at the earliest possible date.

Notice of Preparation Review Period: December 2, 2020 to January 21, 2021

Scoping Meeting: Wednesday, January 14, 2021 at 6:00 PM. The Scoping Meeting will be held virtually

Project Title: Olive Avenue Development (Project)

Location: The Olive Avenue Development (proposed Project) is located the City of Rialto in San Bernardino County, California. The project site is south of State Route 210 (SR-10) and west of Interstate 215 (I-215) as depicted in **Figure 1, Regional Location Map.** The Project is proposed on an existing, single lot, with an overall Project site of approximately 31.60 gross acres/31.08 net acres and located directly north of Baseline Road, approximately 325 feet east of Fitzgerald Avenue, directly south of Jerry Eaves Park, and approximately 0.25 miles west of Cactus Avenue, as depicted in **Figure 2, Project Vicinity Map.**

A. Project Overview

PR/CHI Olive Grove, LLC (Owner) is proposing to develop an existing vacant property (location as referenced above) that would include the construction of two industrial warehouse buildings with approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,524 square feet of warehouse space for a total of 679,390 square feet on approximately 31.08 net acres. The Owner is proposing to split the existing property (referenced as Assessor Parcel No. (APN) 0264-213-18) from one large lot into two lots to allow for each of the two proposed buildings to each have their own legal parcel. As shown in **Figure 3, Building Site Configuration,** Building 1 (west building) and Building 2 (east building) have been architecturally designed to allow for multiple units in various increments based on tenant demand. Figure 3 conceptually shows that Building

1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings.

The City requires that based on the uses being proposed by the Owner, the Project would require 420 automobile parking spaces. The Project proposes 505 automobile parking spaces, as well as 122 total trailer parking spaces. **Table 1, Building Site Summary**, summarizes the automobile and loading docks required by the City and proposed for each building.

Table 1: Building Site Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump	Total Building (sf)	Automobile Parking Stalls		Loading Docks Required	Loading Docks Provided
					Required	Provided		
Building 1	425,148	5,000	433	430,581	258	308	7	46
Building 2	243,376	5,000	433	248,809	156	197	5	31

The proposed buildings are currently planned as "speculative buildings", meaning that there are not business uses identified for the buildings. Without knowing the specifics in terms of the future tenants or buyers, the Project is mandated to provide the parking (auto and trailer parking) as shown in **Table 1**. Therefore, the Environmental Impact Report (EIR) and associated technical reports will use City approved numbers for the approximate potential on-site employees, hours of operation, and vehicular traffic generation based on the Project's proposed square footage and use as warehouse buildings as dictated by the City guidelines.

Landscaping

Landscaping is required by City code to cover 10% of each lot and based on the proposed Project would cover approximately 13.17% (101,410 square feet) on Parcel 1 and 15.24% (85,000 square feet) on Parcel 2 of the site. Landscaping would be installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 18.61.250 and Section 18.61.270 which specify landscape design guidelines for industrial districts.

Construction

Construction of the proposed Project is expected to commence in 2021 with a construction duration of approximately 9-10 months and would be completed in one phase of construction. Total excavation and fill of soils for the proposed Project is anticipated to require 250,803 cubic yards (cy) of cut and 21,055 cy of fill, with approximately 229,748 cy of exported soil.

B. Project Setting

Adjacent properties include Jerry Eaves Park to the north (City zoned for Park (R-P)) and a San Bernardino County Flood Control District (SBCFCD) basin to the east (City zoned as Cactus Basin (OS-CB) in the Rialto Airport Specific Plan. Properties to the south and across Baseline Road are zoned Single Family Residential

(R-1B), and adjacent properties to the west are zoned Employment in the Renaissance Specific Plan and currently improved as industrial buildings.

C. Requested Project Approvals

City of Rialto discretionary actions that could be approved based on the certification of the Final EIR would include the following:

- **Precise Plan of Design (PPD) (PPD 2020-0003)**: Site development of two warehouse buildings totaling approximately 679,390 square feet on two proposed parcels. Total site area consists of approximately 31.08 net acres for both buildings.
- **Tentative Parcel Map (TPM) (TPM 2020-0001)**: To divide the existing parcel into two parcels and show the required City right-of-way dedication for Baseline Road, vacations and easements. The proposed parcel reconfiguration is shown in **Figure 4, Proposed Parcels.**
- **Conditional Development Permit (CDP 2020-0002):** Conditional Development Permit for the development of a warehouse, which is a conditionally permitted use in industrial zones within the City of Rialto.

D. Project Characteristics

General Plan Designation: The Project site is designated as Business Park within the Rialto General Plan.

Zoning: The Project site is zoned as Airport Related Planned Industrial Development (I-AR) within the Rialto Airport Specific Plan.

E. Circulation and Parking

Vehicular access to the proposed Project would consist of three driveways on Baseline Road. The center driveway would be signalized and would provide truck and passenger vehicle ingress/egress to the site. The eastern and western driveways would be right-in right-out and would be dedicated to passenger and emergency vehicles. Street improvements to Baseline Road may consist of the following: sidewalk, parkway landscaping, curb and gutter, median improvements, bike lanes, dry utility undergrounding, streetlights, fire hydrants, traffic signal equipment (center driveway intersection), rehabilitation of existing asphalt pavement, offsite utility connections, and signing and striping, as required by the City. Off-site improvements would include construction of a new signalized intersection at Idyllwild Avenue and Baseline Road to provide signalized access to the residences south of Baseline Road and construction of a new signalized intersection at the center of the Project along Baseline Road to allow for direct truck access into and out of the Project. As shown in **Table 1, Building Site Summary** (above), the proposed Project would meet the parking requirements for all proposed buildings.

Environmental Issues to be Evaluated in the EIR

The City of Rialto, the lead agency for the proposed Project, is subject to specific environmental review under CEQA. CEQA Guidelines Section 15063 provides that if a lead agency determines that an EIR will clearly be required for a project, an Initial Study is not required. In this case, the City has already

determined that an EIR will need to be prepared based on the Project's potential to create short-term, long-term and cumulative impacts. Therefore, an EIR will be prepared to fully evaluate the potential impacts of the proposed Project. The EIR will be comprehensive in nature evaluating all identified issues from the 2020 CEQA Initial Study Checklist.

The following issues are anticipated to be addressed in the EIR:

• Aesthetics • Agriculture and Forestry Resources • Air Quality • Biological Resources • Cultural Resources • Energy • Geology and Soils • Greenhouse Gas Emissions • Hazards and Hazardous Materials • Hydrology and Water Quality • Land Use and Planning • Mineral Resources • Noise • Population and Housing • Public Services • Recreation • Transportation • Tribal Cultural Resources • Utilities and Service Systems • Wildfire

The EIR will address the short-term and long-term effects of the Project on the surrounding environment, including the requirements of the proposed off-site improvements. The EIR will also evaluate the potential for the Project to cause direct and indirect growth-inducing impacts, as well as cumulative impacts. Alternatives to the proposed Project will be evaluated that may reduce impacts that are determined to be significant in the EIR. Mitigation may be proposed for those impacts that are determined to be significant. A mitigation monitoring program will also be developed as required by Section 15097 of the CEQA Guidelines.

Public Review Period

The CEQA process requires a 30-day public review period for an NOP. In accordance with CEQA, should you have any comments, the City is requesting that written responses to this NOP be provided within the 30-day NOP period of December 2, 2020 to December 31, 2020. However, the City has elected to have an extended scoping period due to the holidays, and the deadline to submit is January 21, 2021.

The City is requesting comments and guidance on the scope and content of the EIR from Responsible and Trustee agencies, interested public agencies, organizations, and the general public (pursuant to CEQA Guidelines §15082). All parties that have submitted their names and mailing addresses will be notified as part of the Project's CEQA review process. If you wish to be placed on the mailing list or have any questions or need additional information, please contact the lead agency contact noted below.

Agencies: The City requests each Responsible and Trustee agency's views on the scope and content of environmental issues relevant to your agency's statutory responsibilities in connection with the proposed Project, in a manner consistent with California Code of Regulations, Title 14, Section 15082(b). Your agency may use the EIR prepared by the City when considering any permits that your agency must issue, or other approvals for the Project.

Public Comments

The City requests your careful review and consideration of this notice, and invites ***written comments*** from interested agencies, persons, and organizations regarding the preparation of the EIR. Please indicate a contact person for your agency or organization. Please send your written comments to:

City of Rialto
California

Attn: Karen Peterson
City of Rialto
Community Development Department
Planning Division
150 S. Palm Avenue
Rialto, CA 91730
Phone: 909-421-7246
Email: kpeterson@rialtoca.gov

Please include the name, phone number, email, and address of a contact person in your response.

You may also provide comments during the virtual ***Scoping Meeting*** noted below. Comments in response to this notice must be submitted to the City through close of business 6:00 PM on January 21, 2021.

Public Scoping Meeting

The City will have a Scoping Meeting to present the proposed Project and the CEQA process, and to receive public comments and suggestions regarding the scope and content of the EIR. Information regarding the virtual Scoping Meeting is as follows:

Date: Thursday, January 14, 2021

Location: City of Rialto (to be held online)

Join on your computer or mobile app: https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmQxNDExYmYtYTdhNS00YjRhLTljMWMtNzYyN2NjNmI3Zm Yy%40thread.v2/0?context=%7b%22Tid%22%3a%227e220d30-0b59-47e5-8a81-a4a9d9afbdc4%22%2c%22Oid%22%3a%22231d83be-3d6f-43f1-9bc2-25376b4f3110%22%7d

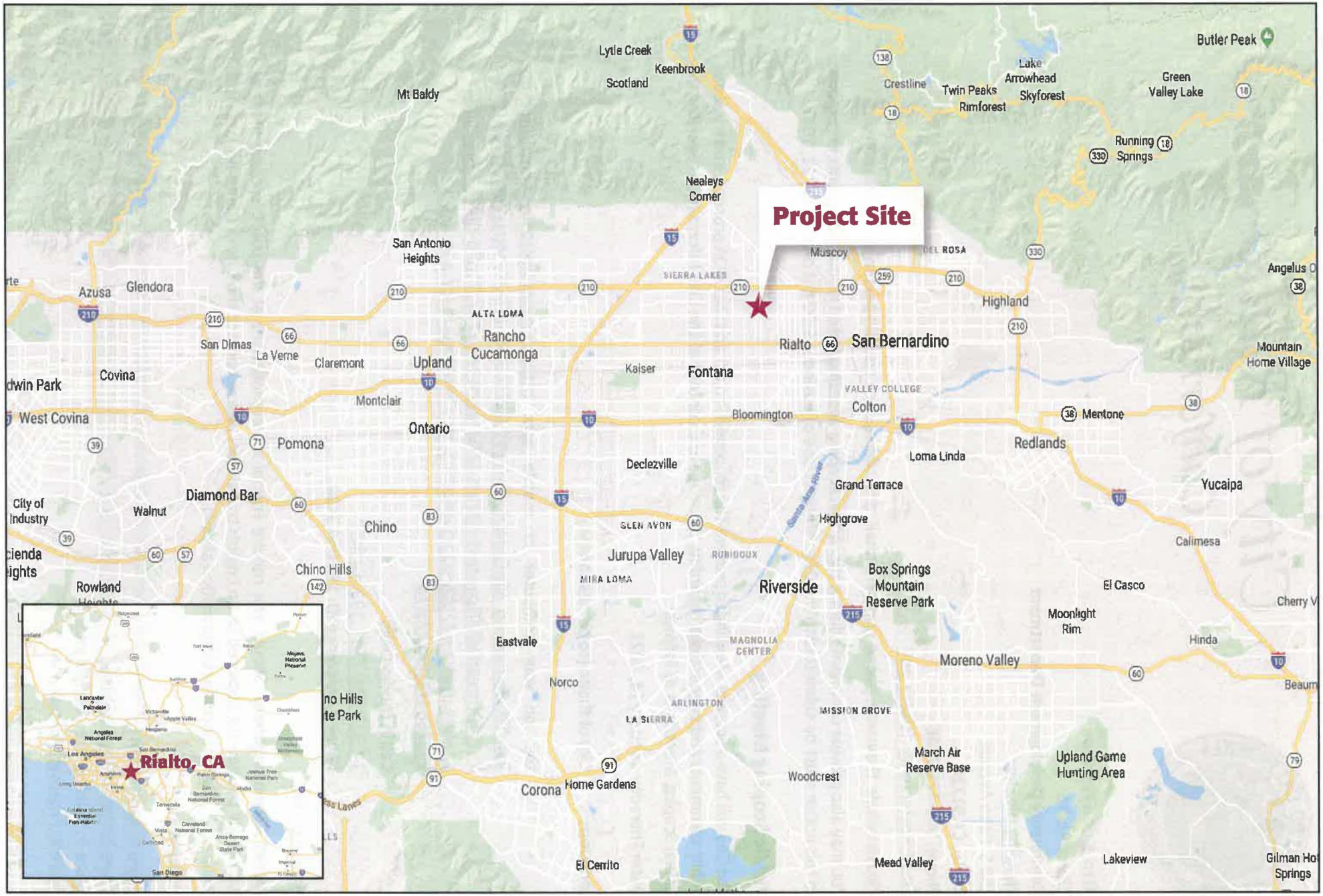
Call in (Audio Only)
+1 323-886-7531,,192054342#
Phone Conference ID: 192 054 342#

Time: 6:00 PM

Special Accommodations. Should you require special accommodations at the public scoping meeting, such as for the hearing impaired or an English translator, please contact the City of Rialto no later than January 11, 2021 (see contact information above).

Attachments:

Figure 1: Regional Map
Figure 2: Project Vicinity Map
Figure 3: Building Site Configuration
Figure 4: Proposed Parcels



Source: Google Maps, 2019

FIGURE 1: Regional Location Map
Olive Grove Business Park
Rialto, CA

Not to scale

Kimley»Horn

Source: Google Earth, 2019

FIGURE 2: Project Vicinity Map
Olive Grove Business Park
Rialto, CA

Not to scale

Kimley»Horn

Source: RGA, Office of Architectural Design, Inc.

FIGURE 3: Building Site Configuration
Olive Grove Business Park
Rialto, CA

Not to scale

Kimley»Horn

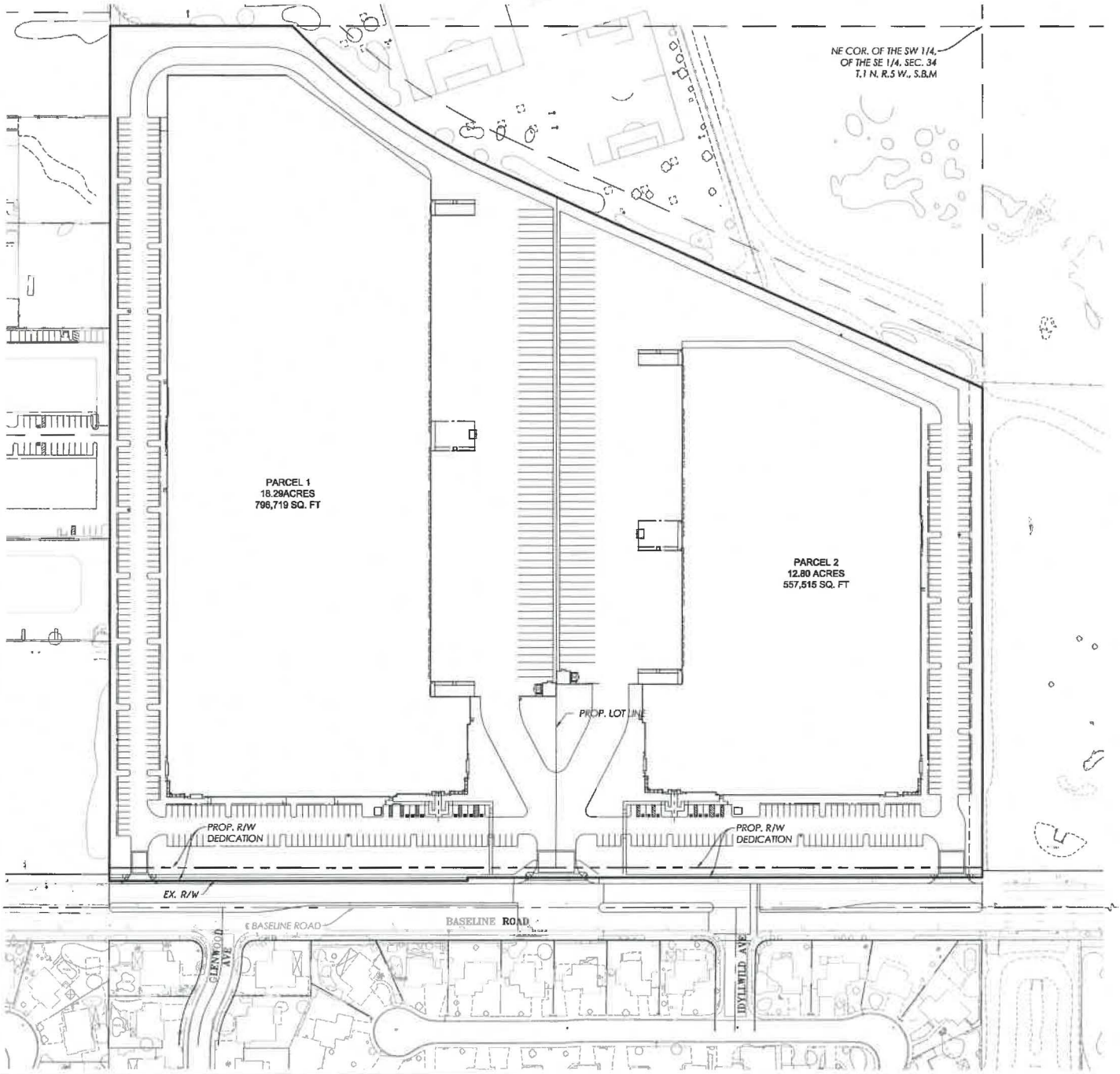


FIGURE 4: Proposed Parcels
Olive Grove Business Park
Rialto, CA

Not to scale

Kimley»Horn

GABRIELENO BAND OF MISSION INDIANS - KIZH NATION
Historically known as The Gabrielino Tribal Council - San Gabriel Band of Mission Indians
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

December 22, 2020

Project Name: Olive Ave Development (Project) City of Rialto

Dear Karen Peterson,

Thank you for your letter dated December 2,2020 regarding AB52 consultation. The above proposed project location is within our Ancestral Tribal Territory; therefore, our Tribal Government requests to schedule a consultation with you as the lead agency, to discuss the project and the surrounding location in further detail.

Please contact us at your earliest convenience. ***Please Note:AB 52, "consultation" shall have the same meaning as provided in SB 18 (Govt. Code Section 65352.4).***

Thank you for your time,

Andrew Salas, Chairman
Gabrieleno Band of Mission Indians – Kizh Nation
1(844)390-0787

Andrew Salas, Chairman | Nadine Salas, Vice-Chairman | Dr. Christina Swindall Martinez, secretary
Albert Perez, treasurer I | Martha Gonzalez Lemos, treasurer II | Richard Gradias, Chairman of the council of Elders

PO Box 393 Covina, CA 91723 admin@gabrielenoindians.org

Main Office - 825 East Third Street, San Bernardino, CA 92415-0835 | Phone: 909.387.7910 Fax: 909.387.7911
www.SBCounty.gov

SAN BERNARDINO COUNTY

Department of Public Works
- Flood Control
- Operations
- Solid Waste Management
- Special Districts
- Surveyor
- Transportation

Brendon Biggs, M.S., P.E.
Director

David Doublet, M.S., P.E.
Assistant Director

December 30, 2020 File: 10(ENV)-4.01

City of Rialto
Community Development Department
Planning Division
Attn: Karen Peterson
150 S. Palm Avenue
Rialto, CA 91730
Phone: 909-421-7246
Email: kpeterson@rialtoca.gov

Transmitted Via Email

RE: CEQA – NOTICE OF PREPARATION FOR A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE OLIVE AVENUE DEVELOPMENT PROJECT

Dear Karen Peterson:

Thank you for allowing the San Bernardino County Department of Public Works the opportunity to comment on the above-referenced project. **We received this request on December 7, 2020** and pursuant to our review, we have the following comments:

Flood Control Planning & Water Resources Division (Michael Fam, Chief, 909-387-8120):

1. According to the most recent FEMA Flood Insurance Rate Maps, Panel 06071C8657H, dated August 28, 2008, the Project lies within Zone X (unshaded).

2. We are aware there may be storm drains in and around the site that may be affected by the proposed Project. When planning for or altering existing or future storm drains, be advised that the Project is subject to the Rialto MPD dated, February 2009 and the Renaissance Specific Plan dated, April 2011. It is to be used as a guideline for drainage in the area. Any revision to the drainage should be reviewed and approved by the City. Should construction of new, or alterations to existing storm drains be necessary as part of the Proposed Project, their impacts and any required mitigation should be discussed within the EIR before the document is adopted by the Lead Agency.

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Col. Paul Cook (Ret.) First District | Janice Rutherford Second District | Dawn Rowe Third District | Curt Hagman Chairman, Fourth District | Joe Baca, Jr. Fifth District
Leonard X. Hernandez Chief Executive Officer

3. From the information that was provided portions of the proposed Project are adjacent to a San Bernardino County Flood Control District (SBCFCD) facility and right-of-way (2-104-4 Cactus Basin No. 3) and encroaching upon a District easement (1974/227 OR) located along the eastern property line of the project. Be advised that any impacts on SBCFCD's right-of-way or facilities including, but not limited to: limiting District access to its facility from street improvements, grading, landscaping, utility crossing and fencing/wall installation will require a permit from the SBCFCD. The necessity for any, or all of these permits, and any impacts associated with them, should be addressed in the EIR prior to adoption and certification.

We respectfully request to be included on the circulation list for all project notices, public reviews, or public hearings. In closing, I would like to thank you again for allowing the San Bernardino County Department of Public Works the opportunity to comment on the above-referenced project. Should you have any questions or need additional clarification, please contact the individuals who provided the specific comment, as listed above.

Sincerely,

Michael Perry

MICHAEL R. PERRY
Supervising Planner
Environmental Management

MP:AJ:ms

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL: January 7, 2021

kpeterson@rialtoca.gov
Karen Peterson, Planner
City of Rialto, Community Development Department
150 South Palm Avenue
Rialto, California 91730

Notice of Preparation of a Draft Environmental Impact Report for Olive Avenue Development Project (Proposed Project)

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Draft Environmental Impact Report (EIR). Please send a copy of the Draft EIR upon its completion and public release directly to South Coast AQMD as copies of the Draft EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all emission calculation spreadsheets, and air quality modeling and health risk assessment input and output files (not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

CEQA Air Quality Analysis

Staff recommends that the Lead Agency use South Coast AQMD's CEQA Air Quality Handbook and website[1] as guidance when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the CalEEMod[2] land use emissions software, which can estimate pollutant emissions from typical land use development and is the only software model maintained by the California Air Pollution Control Officers Association.

South Coast AQMD has developed both regional and localized significance thresholds. South Coast AQMD staff recommends that the Lead Agency quantify criteria pollutant emissions and compare the emissions to South Coast AQMD's CEQA regional pollutant emissions significance thresholds[3] and localized significance thresholds (LSTs)[4] to determine the Proposed Project's air quality impacts. The localized analysis can be conducted by either using the LST screening tables or performing dispersion modeling.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road

[1] South Coast AQMD's CEQA Handbook and other resources for preparing air quality analyses can be found at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook.
[2] CalEEMod is available free of charge at: www.caleemod.com.
[3] South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.
[4] South Coast AQMD's guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA ***operational*** thresholds to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the Lead Agency perform a mobile source health risk assessment[5].

In the event that implementation of the Proposed Project requires a permit from South Coast AQMD, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the Draft EIR. The assumptions in the air quality analysis in the Final EIR will be the basis for evaluating the permit under CEQA and imposing permit conditions and limits. Questions on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

The California Air Resources Board's (CARB) *Air Quality and Land Use Handbook: A Community Health Perspective*[6] is a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process with additional guidance on strategies to reduce air pollution exposure near high-volume roadways available in CARB's technical advisory[7].

South Coast AQMD staff is concerned about potential public health impacts of siting warehouses within close proximity of sensitive land uses, especially in communities that are already heavily affected by the existing warehouse and truck activities. The South Coast AQMD's Multiple Air Toxics Exposure Study (MATES IV), completed in May 2015, concluded that the largest contributor to cancer risk from air pollution is diesel particulate matter (DPM) emissions[8]. According to the MATES IV Carcinogenic Risk interactive Map, the area surrounding the Proposed Project has an estimated cancer risk over 740 in one million[9]. Operation of warehouses generates and attracts heavy-duty diesel-fueled trucks that emit DPM. When the health impacts from the Proposed Project are added to those existing impacts, residents living in the communities surrounding the Proposed Project will possibly face an even greater exposure to air pollution and bear a disproportionate burden of increasing health risks.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook[1], South Coast AQMD's Mitigation Monitoring and

[5] South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.
[6] CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* can be found at: http://www.arb.ca.gov/ch/handbook.pdf.
[7] CARB's technical advisory can be found at: https://www.arb.ca.gov/ch/landuse.htm.
[8] South Coast AQMD. May 2015. *Multiple Air Toxics Exposure Study in the South Coast Air Basin*. Available at: http://www.aqmd.gov/docs/default-source/air-quality/air-toxic-studies/mates-iv/mates-iv-final-draft-report-4-1-15.pdf.
[9] South Coast AQMD. MATES INV Estimated Risk. Accessed at: https://scaqmd-online.maps.arcgis.com/apps/webappviewer/index.html?id=470c30bc6daf4ef6a43f0082973ff45f.

Reporting Plan for the 2016 Air Quality Management Plan[10], and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy[11].

Mitigation measures for operational air quality impacts from mobile sources that the Lead Agency should consider in the Draft EIR may include the following:

- Require zero-emissions (ZE) or near-zero emission (NZE) on-road haul trucks such as heavy-duty trucks with natural gas engines that meet the CARB's adopted optional NOx emissions standard at 0.02 grams per brake horsepower-hour (g/bhp-hr), if and when feasible. Given the state's clean truck rules and regulations aiming to accelerate the utilization and market penetration of ZE and NZE trucks such as the Advanced Clean Trucks Rule[12] and the Heavy-Duty Low NOx Omnibus Regulation[13], ZE and NZE trucks will become increasingly more available to use. The Lead Agency should require a phase-in schedule to incentive the use of these cleaner operating trucks to reduce any significant adverse air quality impacts. South Coast AQMD staff is available to discuss the availability of current and upcoming truck technologies and incentive programs with the Lead Agency. At a minimum, require the use of 2010 model year[14] that meet CARB's 2010 engine emissions standards at 0.01 g/bhp-hr of particulate matter (PM) and 0.20 g/bhp-hr of NOx emissions or newer, cleaner trucks. Include environmental analyses to evaluate and identify sufficient electricity and supportive infrastructures in the Energy and Utilities and Service Systems Sections in the CEQA document, where appropriate. Include the requirement in applicable bid documents, purchase orders, and contracts. Operators shall maintain records of all trucks associated with project construction to document that each truck used meets these emission standards, and make the records available for inspection. The Lead Agency should conduct regular inspections to the maximum extent feasible to ensure compliance.
- Limit the daily number of trucks allowed at the Proposed Project to levels analyzed in the Final CEQA document. If higher daily truck volumes are anticipated to visit the site, the Lead Agency should commit to re-evaluating the Proposed Project through CEQA prior to allowing this higher activity level.
- Provide electric vehicle (EV) charging stations or at a minimum, provide the electrical infrastructure and electrical panels should be appropriately sized. Electrical hookups should be provided for truckers to plug in any onboard auxiliary equipment.

[10] South Coast AQMD's 2016 Air Quality Management Plan can be found at: http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-mar3-035.pdf (starting on page 86).

[11] Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsocal.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

[12] CARB. June 25, 2020. *Advanced Clean Trucks Rule*. Accessed at: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks.

[13] CARB has recently passed a variety of new regulations that require new, cleaner heavy-duty truck technology to be sold and used in state. For example, on August 27, 2020, CARB approved the Heavy-Duty Low NOx Omnibus Regulation, which will require all trucks to meet the adopted emission standard of 0.05 g/hp-hr starting with engine model year 2024. Accessed at: https://ww2.arb.ca.gov/rulemaking/2020/hdomnibuslownox.

[14] CARB adopted the statewide Truck and Bus Regulation in 2010. The Regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. More information on the CARB's Truck and Bus Regulation is available at: https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm.

Mitigation measures for operational air quality impacts from other area sources that the Lead Agency should consider in the Draft EIR may include the following:

- Maximize use of solar energy by installing solar energy arrays.
- Use light colored paving and roofing materials.
- Utilize only Energy Star heating, cooling, and lighting devices, and appliances.
- Use of water-based or low VOC cleaning products that go beyond the requirements of South Coast AQMD Rule 1113.

Design considerations for the Proposed Project that the Lead Agency should consider to further reduce air quality and health risk impacts include the following:

- Clearly mark truck routes with trailblazer signs, so that trucks will not travel next to or near sensitive land uses (e.g., residences, schools, day care centers, etc.).
- Design the Proposed Project such that truck entrances and exits are not facing sensitive receptors and trucks will not travel past sensitive land uses to enter or leave the Proposed Project site.
- Design the Proposed Project such that any check-in point for trucks is inside the Proposed Project site to ensure that there are no trucks queuing outside.
- Design the Proposed Project to ensure that truck traffic inside the Proposed Project site is as far away as feasible from sensitive receptors.
- Restrict overnight truck parking in sensitive land uses by providing overnight truck parking inside the Proposed Project site.

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at lsun@aqmd.gov.

Sincerely,

Lijin Sun

Lijin Sun, J.D.
Program Supervisor, CEQA IGR
Planning, Rule Development & Area Sources

LS
SBC201211-04
Control Number

RIALTO
UNIFIED SCHOOL DISTRICT
BRIDGING FUTURES THROUGH INNOVATION

Superintendent

Cuauhtémoc Avila, Ed.D.
Superintendent

Business Services

Mohammad Z. Islam
Associate Superintendent

Facilities Planning

Angie Lopez
Director

Fiscal Services

Diane Romo
Senior Director

Maintenance and Operations

Leslie Alexander
Director

Nutrition Services

Faust Rahman-Davies
Assistant Director

Purchasing Services

Daniel Distrola
Director

Risk Management/ Employee Benefits

Derek Harris
Senior Director

City of Rialto-Development Services Department
Attn: Karen Peterson
150 S Palm Ave
Rialto, CA 92376

Jan 19, 2021

RE: OLIVE AVE DEVELOPMENT-COMMERCIAL

Dear Sirs,

Thank you for forwarding the notice regarding the OLIVE AVE DEVELOPMENT project. Per the project description this plan is within the Rialto Unified School District boundary. Please keep district updated on the permit timeline of this project.

COMMERCIAL TRAFFIC

Per The project description on page-2 *"The project proposes 505 automobile parking spaces as well as 122 total trailer parking spaces"* to service the project plan. The Rialto Unified School District would like to point out that (3) blocks to the East (.5 miles) is located Eisenhower High School-1321 N Lilac. The School District would like to be assured that this increase in vicinity traffic would not interfere with the day to day operations of the high school once it is in full operation as it serves over 2,300 students with School Bus service, parent/student drivers, maintenance and food service vehicles and or that the existing school district functions will not interfere with operations of the Olive Ave Dev Project.

SAFE ROUTES

Rialto Unified School District participates in the Safe Routes to School Program and wants to make sure that this project coincides with any Safe Route improvements within the area such as fully developed safe walking patterns and biking paths to and from existing schools for all pedestrians.

MITIGATION FEES

The Rialto Unified School District requests to be notified in writing in advance of any and all notices regarding this development. The Rialto Unified School district is empowered to collect all Mitigation Fees pursuant to Board of Education Resolution. The fee must be paid prior to the issuance of any building permits. Upon payment of fees, a Certificate of Compliance will be issued.

Thank you in advance for any further communications.

If you have any questions, please call (909) 421-7555.

Respectfully,

George Palma
Facilities Planning

1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings.

The City requires that based on the uses being proposed by the Owner, the Project would require 420 automobile parking spaces. The Project proposes 505 automobile parking spaces, as well as 122 total trailer parking spaces. **Table 1, Building Site Summary**, summarizes the automobile and loading docks required by the City and proposed for each building.

Table 1: Building Site Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump	Total Building (sf)	Automobile Parking Stalls		Loading Docks Required	Loading Docks Provided
					Required	Provided		
Building 1	425,148	5,000	433	430,581	258	308	7	46
Building 2	243,376	5,000	433	248,809	156	197	5	31

The proposed buildings are currently planned as "speculative buildings", meaning that there are not business uses identified for the buildings. Without knowing the specifics in terms of the future tenants or buyers, the Project is mandated to provide the parking (auto and trailer parking) as shown in **Table 1**. Therefore, the Environmental Impact Report (EIR) and associated technical reports will use City approved numbers for the approximate potential on-site employees, hours of operation, and vehicular traffic generation based on the Project's proposed square footage and use as warehouse buildings as dictated by the City guidelines.

Landscaping

Landscaping is required by City code to cover 10% of each lot and based on the proposed Project would cover approximately 13.17% (101,410 square feet) on Parcel 1 and 15.24% (85,000 square feet) on Parcel 2 of the site. Landscaping would be installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 18.61.250 and Section 18.61.270 which specify landscape design guidelines for industrial districts.

Construction

Construction of the proposed Project is expected to commence in 2021 with a construction duration of approximately 9-10 months and would be completed in one phase of construction. Total excavation and fill of soils for the proposed Project is anticipated to require 250,803 cubic yards (cy) of cut and 21,055 cy of fill, with approximately 229,748 cy of exported soil.

B. Project Setting

Adjacent properties include Jerry Eaves Park to the north (City zoned for Park (R-P)) and a San Bernardino County Flood Control District (SBCFCD) basin to the east (City zoned as Cactus Basin (OS-CB) in the Rialto Airport Specific Plan. Properties to the south and across Baseline Road are zoned Single Family Residential

INLAND EMPIRE BIKING ALLIANCE

22 January 2021

Attn: Karen Peterson
City of Rialto
Planning Division
150 S. Palm Avenue
Rialto, CA 91730

Re: Olive Avenue Development Project Notice of Preparation (SCH 2020120036)

Dear Ms. Peterson,

I am writing today on behalf of the Inland Empire Biking Alliance, a local nonprofit dedicated to making the Inland Empire a safer and more convenient place for people from all rolls of life. This letter is in response to the Notice of Preparation for the Olive Avenue Development Project (Project) which has been proposed and available for public comment. After reviewing the documents made available, we are providing the following comments and concerns which we would like to see addressed in the Environmental Impact Report (EIR).

Our biggest concern that we would like to ensure is addressed in the EIR is the impact that the Project would have on the Cactus Avenue Trail (Trail) which is identified as Priority Project 11 in the Rialto Active Transportation Plan (ATP)[1]. As detailed in Figure 5-15: Cactus Avenue Trail Proposed Improvements of the ATP, that facility would be built along a portion of the east and the northern property lines as part of a larger effort to encircle the entire flood control basin in the vicinity. However, based on Figure 2: Project Vicinity Map, Figure 3: Building Site Configuration, and Figure 4: Proposed Parcels of the NOP, it is not clear that the Project would at least be leaving the space necessary for the construction of the Trail, if not just directly constructing it as part of the conditions of the Project.

Needless to say, were the Project to be constructed without at least leaving adequate space for the Trail, it would likely result in the realistic outcome of precluding the Trail in its entirety in those locations, so the EIR needs to provide clarity on how that situation would be avoided. While the ATP has not done the project-level planning of the Trail, it would be ideal to reserve 20 feet of width to provide for the Trail as that is wide enough for constructing the ideal option of a Class I path at least 11 feet in width with a separate sidewalk. Otherwise, if they would be combined, then a Class I path of 14 feet should really be a minimum practical width.

[1] City of Rialto (2020). Rialto Active Transportation Plan. Retrieved from https:/www.yourrialto.com/wp-content/uploads/2020/02/Rialto-Active-Transportation-Plan-FINAL.pdf.

We would also like to urge that the Traffic and VMT analyses take advantage of both the Trail and other in-progress bicycle facilities to leverage the ability of people to travel by bike and reduce the need for improvements which are focused on catering to car traffic. The Project's location directly adjacent the Trail means that it would be possible for people to travel to work at the facility entirely along that bikeway for those who live in communities which access it and would be a bike travel time of 15-20 minutes from the Rialto Metrolink station by bike, well below the mean travel time to work of 32.4 minutes for the city[2]. We would encourage the EIR to identify potential points of connection from the Trail to the Project itself to facilitate that option for people to reach the facilities.

Finally, we would like to ensure that if the EIR analyses identify additional mitigation measures elsewhere in the city due to this Project, that the ATP also be consulted to ascertain that those measures would not impact any improvements planned in the ATP, including reducing the usability of those facilities, both for bicyclists and pedestrians. In too many situations, active transportation users, especially pedestrians, are left holding the shortest ends of the stick as measures implemented to maintain car accessibility such as overlap phasing on traffic signals lead to the removal of a crosswalk, turning what would normally be a simple trip across the street into a three-sided ordeal taking multiple light cycles to complete.

In summary, we are hoping that this EIR can identify how this Project would improve, not hinder the plans which have been set forth in the Rialto ATP. We want to ensure that at the very least, the Project will provide the space for future construction of the Cactus Avenue Trail to top-quality standards, including through the provision of the necessary space for completing that if it is not directly conditioned on the applicant to construct. We would like to see that an actual analysis of using bicycle traffic to reach the facility is carried out. And finally, we want to know that the EIR will make sure that any proposed mitigation measures use a complete streets framework to consider all users and do not hinder the ability of the ATP to be implemented.

Thank you for your time, please feel free to reach out if there are any additional questions or comments.

Sincerely,

Marven E. Norman, Executive Director

[2] U.S. Census Bureau (2021). *Mean travel time to work (minutes), workers age 16 years+,2014-2018*. Retrieved from https://www.census.gov/quickfacts/fact/table/rialtocitycalifornia/LFE305219#LFE305219.

APPENDIX B

AIR QUALITY ASSESSMENT

HEALTH RISK ASSESSMENT

Air Quality Assessment
Olive Avenue Development
City of Rialto, California

Prepared by:

Kimley-Horn and Associates, Inc.
1100 W. Town & Country Road, Suite 700
Orange, California 92868
Contact: Mr. Ace Malisos
714.939.1030

July 2021

TABLE OF CONTENTS

1 INTRODUCTION
1.1 Project Location 1
1.2 Project Description 1

2 ENVIRONMENTAL SETTING
2.1 Climate and Meterology 6
2.2 Air Pollutants of Concern 7
2.3 Sensitive Receptors 10

3 REGULATORY SETTING
3.1 Federal 11
3.2 State of California 11
3.3 Regional 13
3.4 Local 15

4 SIGNIFICANCE CRITERIA AND METHODOLOGY
4.1 Air Quality Thresholds 18
4.2 Methodology 19

5 POTENTIAL IMPACTS AND MITIGATION
5.1 Air Quality Analysis 21

6 REFERENCES
References 34

TABLES
Table 1 Building Summary 2
Table 2 Air Contaminants and Associated Public Health Concerns 8
Table 3 Ambient Air Quality Data 9
Table 4 Sensitive Receptors 10
Table 5 State and Federal Ambient Air Quality Standards 12
Table 6 South Coast Air Basin Attainment Status 14
Table 7 South Coast Air Quality Management District Emissions Thresholds 18
Table 8 Local Significance Thresholds (Construction/Operations) 19
Table 9 Construction-Related Emissions 23
Table 10 Long-Term Operational Emissions 24
Table 11 Equipment-Specific Grading Rates 29
Table 12 Localized Significance of Mitigated Construction Emissions 29
Table 13 Localized Significance of Mitigated Operational Emissions 30

TABLE OF CONTENTS (CONTINUED)

EXHIBITS

Exhibit 1 Regional Location Map 3
Exhibit 2 Project Vicinity Map 4
Exhibit 3 Conceptual Site Plan 5

APPENDICES

Appendix A: Air Quality Modeling Data

LIST OF ABBREVIATED TERMS

AQMP	air quality management plan
AB	Assembly Bill
ADT	average daily traffic
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CCAA	California Clean Air Act
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
cy	cubic yards
DPM	diesel particulate matter
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
H_2S	hydrogen sulfide
Pb	lead
LST	local significance threshold
$\mu g/m^3$	micrograms per cubic meter
mg/m^3	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO_2	nitrogen dioxide
NO_x	nitrogen oxide
O_3	ozone
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
ppm	parts per million
ROG	reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SRA	source receptor area
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
sf	square foot
SO_{4-2}	sulfates
SO_2	sulfur dioxide
TAC	toxic air contaminant
C_2H_3Cl	vinyl chloride
VOC	volatile organic compound

1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the Olive Avenue Development (Project). The purpose of this Air Quality Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project site is located north of Baseline Road and east of Fitzgerald Avenue in the City of Rialto, in San Bernardino County. The project site is located southeast of Rialto Municipal Airport and south of Jerry Eaves Park. The project site is currently vacant and is bounded by Jerry Eaves Public Park to the north, vacant land and single-family residential uses to the east, West Baseline Road and single-family residential uses to the south, and vacant land and industrial uses to the west. The 31.6-acre site is located approximately one-mile south the Foothill Freeway (SR-210), Seven miles east of Interstate 15 (I-15), One mile north of Route 66 (RTE-66), and Five miles west of San Bernardino Freeway (SR-215); refer to Exhibit 1: Regional Location Map and Exhibit 2: Project Vicinity Map***.***

1.2 Project Description

The Project is proposing to develop an existing vacant property (location as referenced above) that would include the construction of a campus oriented industrial project with two primary, divisible, buildings consisting of approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,741 square feet of warehouse space for a total of 679,607 square feet on approximately 31.08 net acres. The Owner is proposing to split the existing property (referenced as Assessor Parcel No. (APN) 0264-213-18) from one large lot into two lots to allow for each of the two proposed buildings to each have their own legal parcel.

As shown in Exhibit 3: Conceptual Site Plan, Building 1 (west building) and Building 2 (east building) have been architecturally designed to allow for multiple units in various increments based on tenant demand. Exhibit 3 shows that Building 1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings.

Existing General Plan Land Use and Zoning Designations

The Project site is zoned for Industrial Park land Use. Adjacent properties to the north are zoned for open space resources and open space recreation uses. Properties to the west are zoned for a specific site plan: Renaissance site. The properties to the south are zoned for residential and open space resources. Properties zoned for residential and Community commercial are due east of the Project site.

Warehouse Facility

The proposed Project consists of two warehouse buildings for a total of 679,390 square feet; refer to Table 1: Building Summary. Building “1” would include 425,148 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump. Building “2” would include 243,376 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump.

Table 1: Building Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump (sf)	Total Building (sf)	Parking			Landscaping (sf)
					Automobiles	Truck/Trailer Stalls	Loading Docks	
1	425,148	5,000	433	430,581	308	64	48	97,826
2	243,593	5,000	433	249,026	197	58	31	79,031

Notes: sf = square feet

Site Access

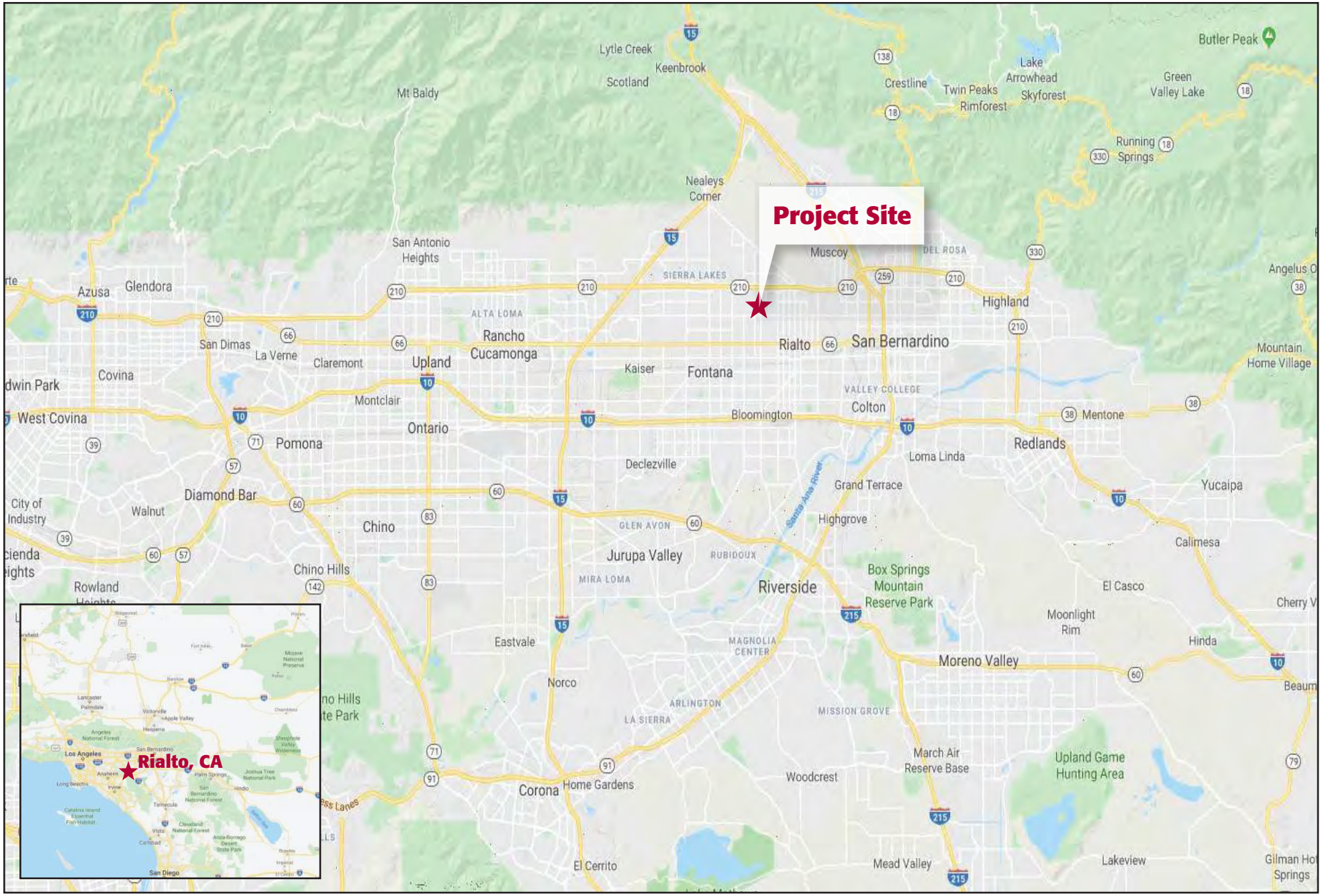
Vehicular access provisions for the project site would consist of three driveways on Baseline Road. Passenger vehicles would access the site via all three driveways. The center driveway would be signalized and would provide truck and passenger vehicle ingress/egress to the site. The eastern and western driveways would be right-in right-out and would be dedicated to passenger and emergency vehicles. Street improvements to Baseline Road may consist of the following: sidewalk, parkway landscaping, curb and gutter, median improvements, bike lanes, dry utility undergrounding, streetlights, fire hydrants, traffic signal equipment (center driveway intersection), rehabilitation of existing asphalt pavement, offsite utility connections, and signing and striping, as required by the City. Off-site improvements would include construction of a new signalized intersection at Idyllwild Avenue and Baseline Road to provide signalized access to the residences south of Baseline Road and construction of a new signalized intersection at the center of the Project along Baseline Road to allow for direct truck access into and out of the Project.

Parking

The Project provides 505 automobile parking stalls, exceeding the requirement of 414 automobile parking stalls. Additionally, 122 trailer parking spaces and 79 loading docks are provided.

Landscaping

Landscaping is required by City code to cover 10% of each lot and based on the proposed Project would cover approximately 12.27% (97,826 square feet) on Parcel 1 and 14.17% (79,031 square feet) on Parcel 2 of the site. Landscaping would be installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 18.61.250 and Section 18.61.270 which specify landscape design guidelines for industrial districts.



Source: Google Maps, 2019

Exhibit 1: Regional Location Map
Olive Avenue Development
Rialto, CA

Not to scale

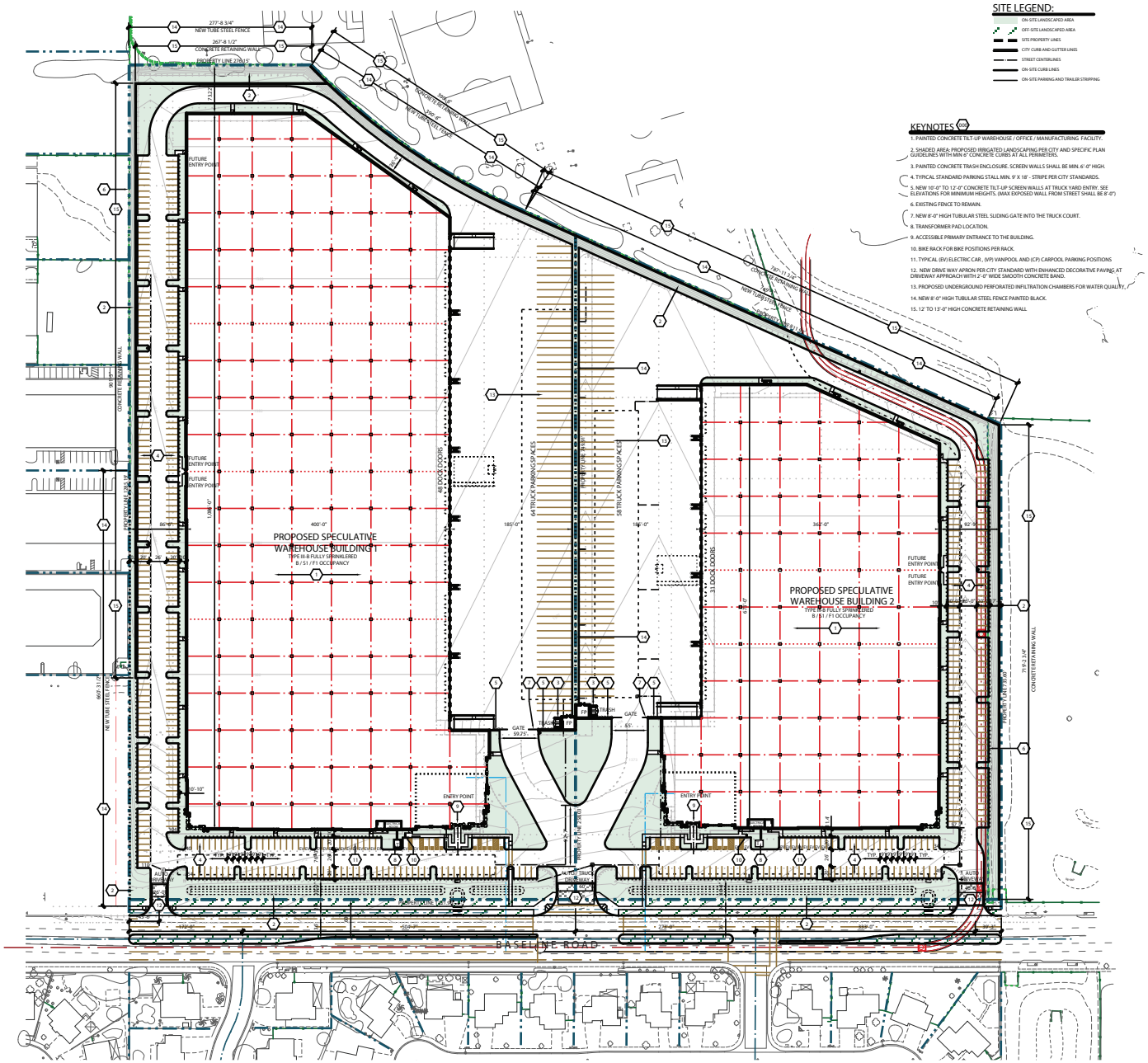
Kimley»Horn

Source: Google Earth, 2019

Exhibit 2 : Project Vicinity Map
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn



Source: RGA, Office of Architectural Design, Inc.

Exhibit 3 : Conceptual Site Plan
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn

2 ENVIRONMENTAL SETTING

2.1 Climate and Meteorology

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The Project is located within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties, as well as all of Orange County. The SCAB is on a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean on the southwest and high mountains forming the remainder of the perimeter[1]. Air quality in this area is determined by such natural factors as topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions. These factors along with applicable regulations are discussed below.

The SCAB is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild and tempered by cool sea breezes. This usually mild weather pattern is occasionally interrupted by periods of extreme heat, winter storms, and Santa Ana winds. The annual average temperature throughout the 6,645-square-mile SCAB ranges from low 60 to high 80 degrees Fahrenheit with little variance. With more oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas.

Contrasting the steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rainfall occurs between the months of November and April. Summer rainfall is reduced to widely scattered thundershowers near the coast, with slightly heavier activity in the east and over the mountains.

Although the SCAB has a semiarid climate, the air closer to the Earth's surface is typically moist because of the presence of a shallow marine layer. Except for occasional periods when dry, continental air is brought into the SCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog are frequent and low clouds known as high fog are characteristic climatic features, especially along the coast. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SCAB.

Wind patterns across the SCAB are characterized by westerly or southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Wind speed is typically higher during the dry summer months than during the rainy winter. Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During winter and fall, surface high-pressure systems over the SCAB, combined with other meteorological conditions, result in very strong, downslope Santa Ana winds. These winds normally continue for a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.

In addition to the characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two distinct types of temperature inversions control the vertical depth through which air pollutants are mixed. These inversions are the marine inversion and the radiation inversion. The height of

[1] South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

the base of the inversion at any given time is called the "mixing height." The combination of winds and inversions is a critical determinant leading to highly degraded air quality for the SCAB in the summer and generally good air quality in the winter.

2.2 Air Pollutants of Concern

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by state and federal laws. These regulated air pollutants are known as "criteria air pollutants" and are categorized into primary and secondary pollutants.

Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO_X), sulfur dioxide (SO_2), coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and lead are primary air pollutants. Of these, CO, NO_X, SO_2, PM_{10}, and $PM_{2.5}$ are criteria pollutants. ROG and NO_X are criteria pollutant precursors and form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, the criteria pollutant ozone (O_3) is formed by a chemical reaction between ROG and NO_X in the presence of sunlight. O_3 and nitrogen dioxide (NO_2) are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in Table 2: Air Contaminants and Associated Public Health Concerns.

Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (i.e. chronic, carcinogenic or cancer causing) adverse human health effects (i.e. injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes more than 200 compounds, including particulate emissions from diesel-fueled engines.

CARB identified diesel particulate matter (DPM) as a toxic air contaminant. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Table 2: Air Contaminants and Associated Public Health Concerns

Pollutant	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM_{10} and $PM_{2.5}$)	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.
Ozone (O_3)	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC)[1] and nitrogen oxides (NO_X) in the presence of sunlight. Motor vehicle exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO_2)	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO_2)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to O_3. Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead (Pb)	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood, bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to lead may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ.

[1] Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation).

Source: California Air Pollution Control Officers Association (CAPCOA), Health Effects, http://www.capcoa.org/health-effects/, Accessed March 18, 2020.

Ambient Air Quality

CARB monitors ambient air quality at approximately 250 air monitoring stations across the State. These stations usually measure pollutant concentrations ten feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. Existing levels of ambient air quality, historical trends, and projections near the Project are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SCAB that maintains air quality monitoring stations which process ambient air quality measurements.

Pollutants of concern in the SCAB include O_3, PM_{10}, and $PM_{2.5}$. The closest air monitoring station to the Project that monitors ambient concentrations of these pollutants is the Upland Monitoring Station (located approximately 1.1 miles to the northwest). Local air quality data from 2017 to 2019 are provided in Table 3: Ambient Air Quality Data, which lists the monitored maximum concentrations and number of exceedances of state or federal air quality standards for each year.

Table 3: Ambient Air Quality Data

Criteria Pollutant	2017	2018	2019
Ozone (O_3) [1]			
1-hour Maximum Concentration (ppm)	0.150	0.133	0.131
8-hour Maximum Concentration (ppm)	0.127	0.111	0.107
Number of Days Standard Exceeded			
CAAQS 1-hour (>0.09 ppm)	66	25	31
NAAQS 8-hour (>0.070 ppm)	87	52	52
Carbon Monoxide (CO) [1]			
1-hour Maximum Concentration (ppm)	1.87	1.73	1.45
Number of Days Standard Exceeded			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
Nitrogen Dioxide (NO_2) [1]			
1-hour Maximum Concentration (ppm)	0.0641	0.0587	0.0579
Number of Days Standard Exceeded			
NAAQS 1-hour (>0.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
Particulate Matter Less Than 10 Microns (PM_{10}) [1]			
National 24-hour Maximum Concentration	106.5	156.6	125.9
State 24-hour Maximum Concentration	—	—	—
State Annual Average Concentration (CAAQS=20 µg/m^3)	—	—	—
Number of Days Standard Exceeded			
NAAQS 24-hour (>150 µg/m^3)	0	1	0
CAAQS 24-hour (>50 µg/m^3)	—	—	—
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$) [1]			
National 24-hour Maximum Concentration	—	—	—
State 24-hour Maximum Concentration	53.2	47.9	91.1
Number of Days Standard Exceeded			
NAAQS 24-hour (>35 µg/m^3)	—	—	—

NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m^3 = micrograms per cubic meter; – = insufficient data available to determine value

[1] Measurements taken at the Upland Monitoring Station at 24302 4th street, San Bernardino, California (CARB# 36175)

Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (https://www.arb.ca.gov/adam) except for CO, which were retrieved from the CARB Air Quality and Meteorological Information System (https://www.arb.ca.gov/aqmis2/aqdselect.php, https://www.arb.ca.gov/qaweb/siteinfo.php).

2.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive land uses surrounding the Project consist mostly of single-family residential communities. Sensitive land uses nearest to the Project are shown in Table 4: Sensitive Receptors.

Table 4: Sensitive Receptors

Receptor Description	Distance and Direction from the Project
Single-Family Residential Community	90 feet to the south
Single-Family Residential Community	800 feet to the east
Jerry Eaves Park	870 feet to the north
Single-Family Residential Community	1,600 feet to the north
Winchester Senior Home II	1,500 feet to the northeast
La Petite Academy of Rialto	1,900 feet to the east
Helen L. Dollahan Elementary School	2,100 feet to the south
Flores Park	2,400 feet to the South
Camino Nuevo Church	2,500 feet to the southeast
Eisenhower Senior High School	3,000 feet to the east
Dunn Elementary School	4,000 feet to the southeast

Source: Google Earth

3 REGULATORY SETTING

3.1 Federal

Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the United States Environmental Protection Agency (EPA) developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including O_3, NO_2, CO, SO_2, PM_{10}, $PM_{2.5}$, and lead. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires each state to prepare a State Implementation Plan to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The EPA can withhold certain transportation funds from states that fail to comply with the planning requirements of the FCAA. If a state fails to correct these planning deficiencies within two years of Federal notification, the EPA is required to develop a Federal implementation plan for the identified nonattainment area or areas. The provisions of 40 Code of Federal Regulations Parts 51 and 93 apply in all nonattainment and maintenance areas for transportation-related criteria pollutants for which the area is designated nonattainment or has a maintenance plan. The EPA has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in Table 5: State and Federal Ambient Air Quality Standards.

3.2 State of California

California Air Resources Board

CARB administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in Table 5, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the State Implementation Plan for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a state standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in Table 5.

Table 5: State and Federal Ambient Air Quality Standards

Pollutant	Averaging Time	State Standards[1]	Federal Standards[2]
Ozone (O_3) [2, 5, 7]	8 Hour	0.070 ppm (137 µg/m^3)	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m^3)	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)
	1 Hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)
Nitrogen Dioxide (NO_2)	1 Hour	0.18 ppm (339 µg/m^3)	0.10 ppm[11]
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	0.053 ppm (100 µg/m^3)
Sulfur Dioxide (SO_2) [8]	24 Hour	0.04 ppm (105 µg/m^3)	0.14 ppm (365 µg/m^3)
	1 Hour	0.25 ppm (655 µg/m^3)	0.075 ppm (196 µg/m^3)
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m^3)
Particulate Matter (PM_{10}) [1, 3, 6]	24-Hour	50 µg/m^3	150 µg/m^3
	Annual Arithmetic Mean	20 µg/m^3	NA
Fine Particulate Matter ($PM_{2.5}$) [3, 4, 6, 9]	24-Hour	NA	35 µg/m^3
	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3
Sulfates (SO_{4-2})	24 Hour	25 µg/m^3	NA
Lead (Pb) [10, 11]	30-Day Average	1.5 µg/m^3	NA
	Calendar Quarter	NA	1.5 µg/m^3
	Rolling 3-Month Average	NA	0.15 µg/m^3
Hydrogen Sulfide (H_2S)	1 Hour	0.03 ppm (0.15 µg/m^3)	NA
Vinyl Chloride (C_2H_3Cl) [10]	24 Hour	0.01 ppm (26 µg/m^3)	NA

ppm = parts per million; µg/m^3 = micrograms per cubic meter; mg/m^3 = milligrams per cubic meter; – = no information available.

1 California standards for O_3, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM_{10}, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e. all standards except for lead and the PM_{10} annual standard), then some measurements may be excluded. Measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe carbon monoxide standard is 6.0 ppm, a level one-half the national standard and two-thirds the State standard.

2 National standards shown are the "primary standards" designed to protect public health. National standards other than for O_3, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour O_3 standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour O_3 standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm or less. The 24-hour PM_{10} standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m_3. The 24-hour $PM_{2.5}$ standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m^3.

3 Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM_{10} is met if the 3-year average falls below the standard at every site. The annual $PM_{2.5}$ standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard. NAAQS are set by the EPA at levels determined to be protective of public health with an adequate margin of safety.

4 On October 1, 2015, the national 8-hour O_3 primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the fourth-highest maximum daily 8-hour O_3 concentration per year, averaged over three years, is equal to or less than 0.070 ppm. EPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the O_3 level in the area.

5 The national 1-hour O_3 standard was revoked by the EPA on June 15, 2005.

6 In June 2002, CARB established new annual standards for $PM_{2.5}$ and PM_{10}.

7 The 8-hour California O_3 standard was approved by the CARB on April 28, 2005 and became effective on May 17, 2006.

8 On June 2, 2010, the EPA established a new 1-hour SO_2 standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO_2 NAAQS however must continue to be used until one year following EPA initial designations of the new 1-hour SO_2 NAAQS.

9 In December 2012, EPA strengthened the annual $PM_{2.5}$ NAAQS from 15.0 to 12.0 µg/m^3. In December 2014, the EPA issued final area designations for the 2012 primary annual $PM_{2.5}$ NAAQS. Areas designated "unclassifiable/attainment" must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.

10 CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure below which there are no adverse health effects determined.

11 National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; California Air Resources Board, *Ambient Air Quality Standards*, May 6, 2016.

3.3 Regional

South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The agency's primary responsibility is ensuring that state and federal ambient air quality standards are attained and maintained in the SCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, conducting public education campaigns, and many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The SCAQMD is also the lead agency in charge of developing the AQMP, with input from the Southern California Association of Governments (SCAG) and CARB. The AQMP is a comprehensive plan that includes control strategies for stationary and area sources, as well as for on-road and off-road mobile sources. SCAG has the primary responsibility for providing future growth projections and the development and implementation of transportation control measures. CARB, in coordination with federal agencies, provides the control element for mobile sources.

The 2016 AQMP was adopted by the SCAQMD Governing Board on March 3, 2017. The purpose of the AQMP is to set forth a comprehensive and integrated program that would lead the SCAB into compliance with the federal 24-hour $PM_{2.5}$ air quality standard, and to provide an update to the SCAQMD's commitments towards meeting the federal 8-hour O_3 standards. The AQMP incorporates the latest scientific and technological information and planning assumptions, including the *Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS) and updated emission inventory methodologies for various source categories. As part of its air quality planning, SCAG has prepared the Regional Comprehensive Plan and Guide and the Connect SoCal – The 2020-2045 RTP/SCS. The 2020-2045 RTP/SCS was determined to conform to the federally mandated state implementation plan (SIP) for the attainment and maintenance of the NAAQS. The 2020-2045 RTP/SCS will be incorporated into the forthcoming 2022 AQMP. Both the Regional Comprehensive Plan and AQMP are based, in part, on projections originating with county and city general plans.

The SCAQMD has published the *CEQA Air Quality Handbook* (approved by the SCAQMD Governing Board in 1993 and augmented with guidance for Local Significance Thresholds [LST] in 2008). The SCAQMD guidance helps local government agencies and consultants to develop environmental documents required by California Environmental Quality Act (CEQA) and provides identification of suggested thresholds of significance for criteria pollutants for both construction and operation (see discussion of thresholds below). With the help of the *CEQA Air Quality Handbook* and associated guidance, local land use planners and consultants are able to analyze and document how proposed and existing projects affect air quality in order to meet the requirements of the CEQA review process. The SCAQMD periodically provides supplemental guidance and updates to the handbook on their website.

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization and under State law as a Regional Transportation Planning Agency and a Council of Governments.

The state and federal attainment status designations for the SCAB are summarized in Table 6: South Coast Air Basin Attainment Status. The SCAB is currently designated as a nonattainment area with respect to the State O_3, PM_{10}, and $PM_{2.5}$ standards, as well as the national 8-hour O_3 and $PM_{2.5}$ standards. The SCAB is designated as attainment or unclassified for the remaining state and federal standards.

Table 6: South Coast Air Basin Attainment Status

Pollutant	State	Federal
Ozone (O_3) (1 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Ozone (O_3) (8 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Particulate Matter ($PM_{2.5}$) (24 Hour Standard)	–	Non-Attainment (Serious)
Particulate Matter ($PM_{2.5}$) (Annual Standard)	Non-Attainment	Non-Attainment (Moderate)
Particulate Matter (PM_{10}) (24 Hour Standard)	Non-Attainment	Attainment (Maintenance)
Particulate Matter (PM_{10}) (Annual Standard)	Non-Attainment	–
Carbon Monoxide (CO) (1 Hour Standard)	Attainment	Attainment (Maintenance)
Carbon Monoxide (CO) (8 Hour Standard)	Attainment	Attainment (Maintenance)
Nitrogen Dioxide (NO_2) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Nitrogen Dioxide (NO_2) (Annual Standard)	Attainment	Attainment (Maintenance)
Sulfur Dioxide (SO_2) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Sulfur Dioxide (SO_2) (24 Hour Standard)	Attainment	–
Lead (Pb) (30 Day Standard)	–	Unclassifiable/Attainment
Lead (Pb) (3 Month Standard)	Attainment	–
Sulfates (SO_{4-2}) (24 Hour Standard)	Attainment	–
Hydrogen Sulfide (H_2S) (1 Hour Standard)	Unclassified	–

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2018.

The following is a list of SCAQMD rules that are required of construction activities associated with the Project:

- **Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM_{10} suppression techniques are summarized below.

    a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.

    b) All on-site roads are paved as soon as feasible, watered regularly, or chemically stabilized.

    c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.

    d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.

    e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down following the work day to remove soil from pavement.

- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.

- **Rule 2305 (Warehouse Indirect Source Rule)** - Rule 2305 was adopted by the SCAQMD Governing Board on May 7, 2021 to reduce NO_X and particulate matter emissions associated with warehouses and mobile sources attracted to warehouses. This rule applies to all existing and proposed warehouses over 100,000 square feet located in the SCAQMD. Rule 2305 requires warehouse operators to track annual vehicle miles traveled associated with truck trips to and from the warehouse. These trip miles are used to calculate the warehouses WAIRE (Warehouse Actions and Investments to Reduce Emissions) Points Compliance Obligation. WAIRE Points are earned based on emission reduction measures and warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. Reduction strategies listed in the WAIRE menu include acquire zero emission (ZE) or near zero emission (NZE) trucks; require ZE/NZE truck visits; require ZE yard trucks; install on-site ZE charging/fueling infrastructure; install onsite energy systems; and install filtration systems in residences, schools, and other buildings in the adjacent community. Warehouse operators that do not earn a sufficient number of WAIRE points to satisfy the WAIRE Points Compliance Obligation would be required to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

3.4 Local

City of Rialto General Plan

The City of Rialto General Plan (RGP) is a roadmap that encompasses the hopes, aspirations, values and dreams of the community. The RGP does not mention specific standalone air quality goals and policies for the City. Instead, the RGP has goals and policies to improve air quality through transportation infrastructure. Since there are limited Project-relevant policies specific to air quality, related policies are

mentioned in this section. Where inconsistencies exist, if any, they are addressed in the respective impact analysis below. RGP policies that directly address reducing and avoiding natural resources impacts include the following:

Goal 2-9: Protect residential, schools, parks, and other sensitive land uses from the impacts associated with industrial and trucking-related land uses, as well as commercial and retail areas.

Policy 2-9.1: Require mitigation and utilize other techniques to protect residential development and other sensitive land uses near industrial land uses or within identified health risk areas from excessive noise, hazardous materials and waste releases, toxic air pollutant concentrations, and other impacts.

Policy 2-9.2: Require all industrial development to front on an improved street with appropriate front yard setbacks, landscaping, and facade and entrance treatments.

Goal 2-30: Incorporate green building and other sustainable building practices into development projects.

Policy 2.30.1: Explore and adopt the use of green building standards and Leadership in Energy and Environmental Design (LEED) or similar in both private and public projects.

Policy 2-30.2: Promote sustainable building practices that go beyond the requirements of Title 24 of the California Administrative Code, and encourage energy-efficient design elements, as appropriate.

Policy 2-30.3: Support sustainable building practices that integrate building materials and methods that promote environmental quality, economic vitality, and social benefit through the design, construction, and operation of the built environment.

Goal 2-31: Conserve energy resources.

Policy 2-31.1: Require the incorporation of energy conservation features into the design of all new construction and site development activities.

Goal 2-35: Reduce air pollution emissions from both mobile and stationary sources in the City.

Policy 2-35.2: Require that new development projects incorporate design features that encourage ridesharing, transit use, park and ride facilities, and bicycle and pedestrian circulation.

Policy 2-35.3: Establish a balanced land use pattern, and facilitate developments that provide jobs for City residents in order to reduce vehicle trips citywide.

Policy 2-35.4: Require new development and significant redevelopment proposals to incorporate sufficient design and operational controls to prevent release of noxious odors beyond the limits of the development site.

Goal 2-36: Reduce the amount of fugitive dust released into the atmosphere.

Policy 2-36.1: Put conditions on discretionary permits to require fugitive dust controls.

Policy 2-36.2: Support programs and policies of the SCAQMD regarding restrictions on grading operations at construction projects.

Policy 2-36.3: Enforce regulations that do not allow vehicles to transport aggregate or similar material upon a roadway unless the material is stabilized or covered.

Goal 2-37: Expand public awareness regarding air pollution sources and pollutant reduction initiatives.

Policy 2-37.1: Encourage and publicly recognize innovative approaches that improve air quality.

Policy 2-37.2: Encourage the participation of environmental groups, the business community, civic groups, special interest groups, and the public in the formulation and implementation of programs that effectively reduce air pollution.

Policy 2-37.3: Provide public education to encourage local consumers to choose the cleanest paints and other non-pollutant consumer products.

Goal 2-38: Mitigate against climate change.

Policy 2-38.1: Consult with State agencies, SCAG, and the San Bernardino Council of Governments (SBCOG) to implement Assembly Bill (AB) 32 and Senate Bill (SB) 375 by utilizing incentives to facilitate infill and transit-oriented development.

Policy 2-38.2: Encourage development of transit-oriented and infill development, and encourage a mix of uses that foster walking and alternative transportation in Downtown and along Foothill Boulevard.

Policy 2-38.3: Provide enhanced bicycling and walking infrastructure, and support public transit, including public bus service, the Metrolink, and the potential for Bus Rapid Transit.

Policy 2-38.4: The City shall participate in the *San Bernardino Regional Greenhouse Inventory and Reduction Plan*.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Air Quality Thresholds

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a Project normally would have a significant effect on the environment if it would:

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable state or federal ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

SCAQMD Thresholds

The significance criteria established by SCAQMD may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if the Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in Table 7: South Coast Air Quality Management District Emissions Thresholds.

Table 7: South Coast Air Quality Management District Emissions Thresholds (Maximum Pounds Per Day)

Criteria Air Pollutants and Precursors	Construction-Related	Operational-Related
Reactive Organic Gases (ROG)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxides (NO_X)	100	55
Sulfur Oxides (SO_X)	150	150
Coarse Particulates (PM_{10})	150	150
Fine Particulates ($PM_{2.5}$)	55	55

Source: South Coast Air Quality Management District, *South Coast AQMD Air Quality Significance Thresholds,* April 2019.

Localized Carbon Monoxide

In addition to the daily thresholds listed above, development associated with the Project would also be subject to the ambient air quality standards. These are addressed though an analysis of localized CO impacts. The significance of localized impacts depends on whether ambient CO levels near the Project are above state and federal CO standards (the more stringent California standards are 20 ppm for 1-hour and 9 ppm for 8-hour). The SCAB has been designated as attainment under the 1-hour and 8-hour standards.

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at new development sites (off-site mobile source emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to

cause or substantially contribute to an exceedance of the most stringent state or federal ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The City of Rialto is located within SCAQMD SRA 32. Table 8: Local Significance Thresholds for Construction/Operations, shows the LSTs for 1-acre, 2-acre, and 5-acre projects in SRA 32 with sensitive receptors located within 25 meters of the Project. LSTs associated with all acreage categories are provided in Table 8 for informational purposes. Table 8 shows that the LSTs increase as acreages increase. It should be noted that LSTs are screening thresholds and are therefore conservative. The construction LST acreage is determined based daily acreage disturbed. The operational LST acreage is based on the total area of the Project site. Although the Project site is greater than five acres, the 5-acre operational LSTs are conservatively used to evaluate the Project.

Table 8: Local Significance Thresholds for Construction/Operations (Maximum Pounds Per Day)

Project Size	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Coarse Particulates (PM_{10})	Fine Particulates ($PM_{2.5}$)
1 Acre	118/118	863/863	5/2	4/1
2 Acres	170/170	1,232/1,232	6/2	5/2
*4 Acres**	*237/237*	*1,466/1,466*	*12/3*	*7/2*
5 Acres	270/270	2,193/2,193	16/4	9/2

Note: * 4 acre thresholds interpolated from 2 acre and 5 acre thresholds
Source: South Coast Air Quality Management District, *Localized Significance Threshold Methodology,* July 2008.

4.2 Methodology

This air quality impact analysis considers construction and operational impacts associated with the Project. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod). CalEEMod is a Statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Air quality impacts were assessed according to methodologies recommended by CARB and the SCAQMD.

Construction equipment, trucks, worker vehicles, and ground-disturbing activities associated with Project construction would generate emissions of criteria air pollutants and precursors. Daily regional construction emissions are estimated by assuming construction occurs at the earliest feasible date (i.e., a conservative estimate of construction activities) and applying off-road, fugitive dust, and on-road emissions factors in CalEEMod. Construction is conservatively assumed to occur in 2021, delaying the start of construction would only likely reduce emissions as emission control technology will improve in the future.[2]

[2] Emissions in future years (i.e., due to a later construction start date or operational opening year) would be lower due to phased-in emissions standards, inspection and maintenance requirements, and fleet turnover).Specifically, project construction was modeled to start in 2021 but would commence at a later date. As such, construction impacts would be less than those analyzed due to the use of more energy-efficient and cleaner burning construction vehicle fleet mix, pursuant to state regulations that require vehicle fleet operators to phase-in less polluting heavy-duty equipment. As a result, Project-related construction air quality impacts would be lower than the impacts disclosed herein. For emissions modeling purposes, conservatively analyzing the emissions using an earlier construction start date (i.e., 2021), provides for a worst-case analysis and full disclosure of potential air quality impacts, as required by CEQA.

Project operations were conservatively modeled assuming an opening year of 2021 and would result in emissions of area sources (consumer products), energy sources (natural gas usage and offsite electrify generation), and mobile sources (motor vehicles from Project generated vehicle trips). Project-generated increases in operational emissions would be predominantly associated with motor vehicle use. The Project vehicle trip generation was obtained from the Project's Transportation Impact Study prepared by Kimley-Horn (January 2021), which includes 971 total daily vehicle trips and 476 daily truck trips. One-way delivery trip lengths were changed from the CalEEMod default of 6.9 miles to 25 miles[3]. Emissions rates in CalEEMod have been updated with CARB SAFE Rule adjustment factors and EMFAC2017 emission rates consistent with the methodology described in Section 5.2 *Methodology for Converting EMFAC2014 Emission Rates into CalEEMod Vehicle Emission Factors* of *Appendix A: Calculation Details for CalEEMod* in the *CalEEMod User Guide.* Other operational emissions from area, energy, and stationary sources were quantified in CalEEMod based on land use activity data.

As discussed above, the SCAQMD provides significance thresholds for emissions associated with proposed Project construction and operations. The proposed Project's construction and operational emissions are compared to the daily criteria pollutant emissions significance thresholds in order to determine the significance of a Project's impact on regional air quality.

The localized effects from the Project's on-site emissions were evaluated in accordance with the SCAQMD's Localized Significance Threshold (LST) Methodology, which uses on-site mass emissions rate look-up tables and Project-specific modeling. LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

[3] J. Richard Kuzmyak, *Forecasting Metropolitan Commercial and Freight Travel* (2008) Average trip lengths for heavy trucks in the SCAG region are cited as 24.1 miles. To be conservative, warehouse delivery trip lengths were rounded up to 25 miles.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 Air Quality Analysis

Threshold 5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

As part of its enforcement responsibilities, the EPA requires each state with nonattainment areas to prepare and submit a State Implementation Plan that demonstrates the means to attain the federal standards. The State Implementation Plan must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under State law, the CCAA requires an air quality attainment plan to be prepared for areas designated as nonattainment regarding the state and federal ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

The Project is located within the SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the FCAA, to reduce emissions of criteria pollutants for which the SCAB is in nonattainment. To reduce such emissions, the SCAQMD drafted the 2016 AQMP. The 2016 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional and multi-agency effort including the SCAQMD, the CARB, the SCAG, and the EPA.

The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans. SCAG has the responsibility of preparing and approving portions of the AQMP relating to the regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies and is required by law to ensure that transportation activities conform to, and are supportive of, the goals of regional and state air quality plans to attain the NAAQS. The RTP/SCS includes transportation programs, measures, and strategies generally designed to reduce VMT, which are contained in the AQMP. As part of its air quality planning, SCAG has prepared the Regional Comprehensive Plan and Guide and the Connect SoCal – The 2020-2045 RTP/SCS. The 2020-2045 RTP/SCS was determined to conform to the federally mandated state implementation plan (SIP) for the attainment and maintenance of the NAAQS. The 2020-2045 RTP/SCS will be incorporated into the forthcoming 2022 AQMP. Both the Regional Comprehensive Plan and AQMP are based, in part, on projections originating with county and city general plans.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- **Consistency Criterion No. 1** – The Project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2** – The Project will not exceed the assumptions noted in the AQMP or increments based on the years of the Project build-out phase.

According to the SCAQMD's *CEQA Air Quality Handbook*, the purpose of the consistency finding is to determine if a project is inconsistent with the assumptions and objectives of the regional air quality plans, and thus if it would interfere with the region's ability to comply with CAAQS and NAAQS.

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As shown in Table 9, the Project would exceed the construction emission standard for NO_X and will require Mitigation Measure AQ-1 (discussed under Impact Threshold 5.2) to reduce NO_X below the SCAQMD threshold. Project operational emissions would also exceed the operational standard for NO_X as shown in Table 10. Mitigation Measures AQ-2 through AQ-5 (discussed under Impact Threshold 5.2) are required to reduce operational NO_X emissions below the SCAQMD standard. With the implementation of Mitigation Measures AQ-1 through AQ-5 construction and operation emissions will remain below SCAQMD standards. Therefore, the Project would not contribute to an existing air quality violation. Thus, the Project would be consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project is consistent with the General Industrial land use designation and development density presented in the City's General Plan and therefore would not exceed the population or job growth projections used by the SCAQMD to develop the AQMP. Thus, the Project is also consistent with the second criterion.

Mitigation Measures: Mitigation Measures AQ-1 through AQ-5 (refer to Impact Threshold 5.2, below)

Level of Significance: Less than significant impact with mitigation incorporated.

Threshold 5.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable state or federal ambient air quality standard?

Construction Emissions

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include O_3-precursor pollutants (i.e. ROG and NO_X) and PM_{10} and $PM_{2.5}$. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities as well as weather conditions and the appropriate application of water.

The duration of construction activities associated with the Project is estimated to last approximately 10 months. Construction-generated emissions associated the Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A: Air Quality Modeling Data for more information regarding the construction assumptions used in this analysis. Predicted maximum daily

construction-generated emissions for the Project are summarized in in Table 9: Construction-Related Emissions.

Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the Project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. SCAQMD Rules 402 and 403 (prohibition of nuisances, watering of inactive and perimeter areas, track out requirements, etc.), are applicable to the Project and were applied in CalEEMod to minimize fugitive dust emissions. Standard Condition (SC) AQ-1 requires the implementation of Rule 402 and 403 dust control techniques to minimize PM_{10} and $PM_{2.5}$ concentrations. The Project would be subject to SCAQMD Rules for reducing fugitive dust, described in the Regulatory Framework subsection above and identified in Standard Conditions SC AQ-1.

Table 9: Construction-Related Emissions (Maximum Pounds Per Day)

Construction	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO_2)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Unmitigated Construction Emissions						
Maximum Daily Emissions	57.57	119.52	66.60	0.31	11.64	6.40
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Threshold?	**No**	**Yes**	**No**	**No**	**No**	**No**
Mitigated Construction Emissions						
Maximum Daily Emissions	57.22	92.39	66.81	0.31	10.22	4.58
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; cover stock piles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. Tier 4 mitigation was applied to grading phase construction equipment. Refer to Appendix A for Model Data Outputs.

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

As shown in Table 9, the Project's unmitigated construction emissions would exceed the SCAQMD threshold for NO_X. Therefore, Mitigation Measure AQ-1 would be required to reduce construction emissions to a less than significant level.

Mitigation Measure AQ-1 would require that the contractor use Tier 4 Interim equipment or better during the grading phase of construction. The EPA and CARB have adopted construction equipment emission standards that have been phased in since 1996 in four distinct tiers. Each tier establishes new and more stringent emissions standards. The tier of an engine depends on the model year and horsepower rating; generally, the newer a piece of equipment is, the greater the tier it is likely to have. Beginning in 2011, new off-road mobile engines sold that are equal to or greater than 175 horsepower and non-emergency stationary engines less than 10 liters per cylinder and equal to or greater than 175 horsepower are required to meet Tier 4 Interim. Beginning in 2014, new off-road mobile engines sold that are equal or greater than 130 horsepower are required to meet Tier 4 Final standards (40 Code of Federal Regulations, part 1039). For portable engines, the following are approximate manufacture years:

- Tier 1 engines manufactured between 1996 and 2003;
- Tier 2 engines manufactured between 2001 and 2007;
- Tier 3 engines manufactured between 2006 and 2011; and
- Tier 4 Interim engines 51 to 74 horsepower manufactured beginning in 2008, 75 to 174 horsepower manufactured after 2012, and 175 to 750 horsepower manufactured after 2011.Tier 4 final standards [went] into effect in 2015 further lowering particulate matter emissions.

Implementation of Mitigation Measure AQ-1, the maximum daily NO_X emissions would not exceed SCAQMD thresholds and impacts would be less than significant.

Operational Emissions

Project-generated emissions would be primarily associated with motor vehicle use, off-road equipment such as forklifts, and area sources. Long-term operational emissions attributable to the Project are summarized in Table 10: Long-Term Operational Emissions. As shown in Table 10**,** the Project emissions would exceed SCAQMD thresholds for NO_X.

Table 10: Long-Term Operational Emissions (Maximum Pounds Per Day)

Source	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO_2)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Unmitigated Operational Emissions						
Area Source Emissions	15.42	< 0.01	0.12	< 0.01	< 0.01	< 0.01
Energy Emissions	0.04	0.37	0.31	< 0.01	0.03	0.03
Mobile Emissions	6.30	83.32	66.82	0.38	20.62	6.47
Off-Road Emissions	0.91	8.25	8.17	0.01	0.59	0.54
Total Emissions	**22.67**	**91.95**	**75.43**	**0.39**	**21.24**	**7.04**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*55*	*150*
Exceeds Threshold?	**No**	**Yes**	**No**	**No**	**No**	**No**
Mitigated Operational Emissions						
Area Source Emissions	14.53	< 0.01	0.12	< 0.01	< 0.01	< 0.01
Energy Emissions	0.03	0.26	0.22	< 0.01	0.02	0.02
Mobile Emissions	3.90	38.63	54.91	0.31	17.66	5.02
Off-Road Emissions	0.91	8.25	8.17	0.01	0.59	0.54
Total Emissions	**19.37**	**47.15**	**63.43**	**0.32**	**18.27**	**5.58**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*55*	*150*
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Note: Total values are from CalEEMod and may not add up 100% due to rounding.

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Project operational emissions would be associated with area sources, energy sources, mobile sources (i.e., motor vehicle use), and off-road equipment. Each of these sources are described below.

- **Area Source Emissions.** Area source emissions would be generated due to on-site equipment, architectural coating, and landscaping that were previously not present on the site.

- **Energy Source Emissions.** Energy source emissions would be generated due to electricity and natural gas usage associated with the Project. Primary uses of electricity and natural gas by the Project would be for miscellaneous warehouse equipment, space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

- **Mobile Source.** Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_X, PM_{10}, and $PM_{2.5}$ are all pollutants of regional concern. NO_X and ROG react with sunlight to form O_3, known as photochemical smog. Additionally, wind currents readily transport PM_{10} and $PM_{2.5}$. However, CO tends to be a localized pollutant, dispersing rapidly at the source.

  Project-generated vehicle emissions are based on the trip generation within the Project Traffic Impact Study and incorporated into CalEEMod as recommended by the SCAQMD. Per the Project Traffic Impact Study, the Project would generate 1,183 daily trips (40 percent trucks). As shown in Table 10, the anticipated mobile source emissions exceed SCAQMD thresholds for NO_X. Therefore, Mitigation Measures AQ-2 through AQ-5 would be required to reduce emissions to the maximum extent feasible. Implementation of operational Mitigation Measures AQ-2 through AQ-5 would reduce NO_X emissions by reducing the number of employee vehicles onsite, reducing the amount of time trucks spend idling, and requiring the use of 2014 truck models or newer. Mitigation Measure AQ-2 requires the implementation of a Transportation Demand Management (TDM) program to reduce single occupant vehicle trips and encourage transit. Mitigation Measure AQ-3 requires electrical hookups at all loading bays and Mitigation Measure AQ-4 prohibits idling when engines are not in use. Additionally, Mitigation Measure AQ-5 requires that the project operator's haul fleet consist of 2014 model trucks or newer.

- **Off-Road Equipment Emissions.** Because the Project is a speculative warehouse development and the final end user is not known, to be conservative it was assumed that each building unit would operate one electric powered forklift, seven in total.

As indicated in Table 10, implementation of Mitigation Measures AQ-2 through AQ-5 would reduce the Project's NO_X emissions below the SCAQMD's daily emissions thresholds. Therefore, with the implementation of Mitigation Measures AQ-2 through AQ-5 operational impacts would be less than significant.

In addition, Rule 2305 requires the Project operator to directly reduce NO_X and particulate matter emissions or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities. Alternatively, warehouse operators can choose to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

Warehouse owners and operators are required to earn Warehouse Actions and Investments to Reduce Emissions (WAIRE) Points each year. WAIRE points are a menu-based system earned by emission reduction measures. Warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. WAIRE points can be earned by completing actions from a menu that can include acquiring and using natural gas, Near-Zero Emissions and/or Zero-Emissions on-

road trucks, zero-emission cargo handling equipment, solar panels or zero-emission charging and fueling infrastructure, or other options. Therefore, the Project operator would be required to implement additional emission reduction strategies. Conservatively, this analysis does not take credit for these potential reductions. Compliance with Rule 2305 would reduce emissions below what is currently analyzed.

Cumulative Short-Term Emissions

The SCAB is designated nonattainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards and nonattainment for O_3 and $PM_{2.5}$ for Federal standards. Appendix D of the SCAQMD White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003) notes that projects that result in emissions that do not exceed the project-specific SCAQMD regional thresholds of significance should result in a less than significant impact on a cumulative basis unless there is other pertinent information to the contrary. The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in Table 9 above, construction-related emissions would not exceed the SCAQMD significance thresholds for criteria pollutants with implementation of Mitigation Measure AQ-1. Therefore, the proposed Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

The SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the AQMP pursuant to the FCAA mandates. The analysis assumed fugitive dust controls would be utilized during construction, including frequent water applications. SCAQMD rules, mandates, and compliance with adopted AQMP emissions control measures would also be imposed on construction projects throughout the SCAB. Compliance with SCAQMD rules and regulations would further reduce the Project construction-related impacts. Therefore, Project-related construction emissions, combined with those from other projects in the area, would not substantially deteriorate local air quality. Construction emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

Cumulative Long-Term Impacts

The SCAQMD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, individual project emissions contribute to existing cumulatively significant adverse air quality impacts. The SCAQMD developed the operational thresholds of significance based on the level above which individual project emissions would result in a cumulatively considerable contribution to the SCAB's existing air quality conditions. Therefore, a project that exceeds the SCAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.

As shown in Table 10, operational emissions would not exceed SCAQMD thresholds with implementation of Mitigation Measures AQ-2 through AQ-5. As a result, operational emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts. Additionally, adherence to SCAQMD rules and regulations would alleviate potential impacts related to

cumulative conditions on a project-by-project basis. Project operations would not contribute a cumulatively considerable net increase of any nonattainment criteria pollutant.

Furthermore, compliance with SCAQMD Rule 2305 (Warehouse Indirect Source Rule) is required for all existing and proposed warehouses greater than 100,000 square feet. Warehouse operators are required to implement additional emission reduction strategies or pay mitigation fee to reduce emissions. Compliance with Rule 2305 would reduce project emissions below what is currently analyzed and also reduce cumulative emissions.

Standard Conditions and Requirements:

SC AQ-1 Prior to the issuance of grading permits, the City Engineer shall confirm that the Grading Plan, Building Plans and Specifications require all construction contractors to comply with South Coast Air Quality Management District's (SCAQMD's) Rules 402 and 403 to minimize construction emissions of dust and particulates. The measures include, but are not limited to, the following:

- Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
- All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
- All material transported off site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
- The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
- Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.

Mitigation Measures:

AQ-1 The contractor shall use Tier 4 Interim or Tier 4 Final compliant construction equipment during the grading phase of construction.

AQ-2 Prior to issuance of occupancy permits, the Project operator shall prepare and submit a Transportation Demand Management (TDM) program detailing strategies that would reduce the use of single occupant vehicles by employees by increasing the number of trips by walking, bicycle, carpool, vanpool and transit. The TDM program shall include, but is not limited to the following:

- Provide a transportation information center and on-site TDM coordinator to educate residents, employers, employees, and visitors of surrounding transportation options;
- Promote bicycling and walking through design features such as showers for employees, self-service bicycle repair area, etc. around the project site.

- Provide on-site car share amenities for employees who make only occasional use of a vehicle, as well as others who would like occasional access to a vehicle of a different type than they use day-to-day;
- Promote and support carpool/vanpool/rideshare use through parking incentives and administrative support, such as ride-matching service; and
- Incorporate incentives for using alternative travel modes, such as preferential load/unload areas or convenient designated parking spaces for carpool/vanpool users.

AQ-3 Electrical hookups shall be provided at all loading bays for truckers to plug in any onboard auxiliary equipment and power refrigeration units while their truck is stopped.

AQ-4 All truck access gates and loading docks within the project site shall have a sign posted that states:

- Truck drivers shall turn off engines when not in use
- Truck drivers shall shut down the engine after five minutes of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking break is engaged.
- Telephone numbers of the building facilities manager and CARB to report Violations

AQ-5 The Project Operator(s) shall ensure, through sale or leasing agreements, that the haul fleet consist of trucks that at a minimum meet the emissions standards of a 2014 vehicle model, and as trucks are replaced, they are replaced with the newest available model.

Level of Significance: Less than significant impact with mitigation incorporated.

Threshold 5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Localized Construction Significance Analysis

The nearest sensitive receptors are the single-family residences located 90 feet (27 meters) to the south of the Project. To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 11: Equipment-Specific Grading Rates, is used to determine the maximum daily disturbed acreage for comparison to LSTs. The appropriate SRA for the localized significance thresholds is the Central San Bernardino Valley (SRA 34) since this area includes the Project. LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Project construction is anticipated to disturb a maximum of 4.0 acres in a single day. As the LST guidance provides thresholds for

projects disturbing 1-, 2-, and 5-acres in size and the thresholds increase with size of the site, the LSTs for a 4.0-acre threshold were interpolated and utilized for this analysis.

Table 11: Equipment-Specific Grading Rates

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Dozers	1	0.5	8	0.5
	Scrapers	2	1	8	2.0
				Total Acres Graded per Day	**4.0**

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

The SCAQMD's methodology states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors are the single-family residences located 90 feet (27 meters) south of the Project. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors located at 25 meters were conservatively utilized in this analysis. Table 12: Localized Significance of Mitigated Construction Emissions, presents the results of localized emissions during construction with the implementation of mitigation measure AQ-1. Table 12 shows emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Significant impacts would not occur concerning LSTs during construction.

Table 12: Localized Significance of Mitigated Construction Emissions (Maximum Pounds Per Day)

Construction Activity	Nitrogen Oxide (NO_x)		Carbon Monoxide (CO)		Coarse Particulate Matter (PM_{10})		Fine Particulate Matter ($PM_{2.5}$)	
Site Preparation	12.16		22.96		8.19		4.53	
Grading	19.27		36.72		4.13		1.74	
Construction	16.01	30.45[a]	16.79	33.26[a]	0.68	1.45[a]	0.64	1.35[a]
Paving	12.91		14.65		0.68		0.62	
Architectural Coating	1.53		1.82		0.09		0.09	
Daily SCAQMD Localized Construction Screening Threshold (adjusted for 4.0 acres at 25 meters)	*237*		*1,466*		*12*		*7*	
Exceed SCAQMD Threshold?	**No**		**No**		**No**		**No**	

Note:
a. Construction, paving, and architectural coating sub-phase emissions are combined because they would potentially all generate emissions on the same day. However, addition of overlapping phases during construction for the LST analysis is not required and considered conservative. Even though the activities may all occur on the same day, it is unlikely that they would occur as the exact same time at the exact same distance to the closest sensitive receptor. Overlapping emissions is taken into consideration for the regional analysis (Table 9).

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Localized Operational Significance Analysis

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project only if it includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g. warehouse or transfer facilities). Since the Project is a warehouse, the operational phase LST protocol is conservatively applied to both the area source and all the mobile source emissions. LSTs for receptors located at 25 meters for SRA 34 were utilized in this analysis. Although the Project is 31 acres, the 5-acre LST threshold was used because the thresholds increase with the size of the site. Therefore, the 5-acre LSTs are conservative for evaluation of a 31-acre site.

The LST analysis only includes on-site sources. However, the CalEEMod model outputs do not separate on- and off-site emissions for mobile sources. Emissions shown in Table 13: Localized Significance of Mitigated Operational Emissions, conservatively include all on-site Project-related stationary sources, off-road equipment (forklifts), and 10 percent of the total Project-related mobile sources, since a portion of mobile sources could include trucks idling on-site, after the implementation of mitigation measures AQ-2 through AQ-5. Table 13 shows that the maximum daily emissions of these pollutants during operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

Table 13: Localized Significance of Mitigated Operational Emissions (Maximum Pounds Per Day)

Activity	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
On-Site and Mobile Source Emissions	12.11	13.21	2.36	1.04
Daily SCAQMD Localized Operation Screening Threshold (5 acres at 25 meters)	*270*	*1,720*	*4*	*2*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**

Note: SRA Zone 34, 5-acre site, 25 meters to receptors; conservatively assumes that 10 percent of all mobile emissions occur on-site
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

In addition, SCAQMD's Rule 2305 will require the Project to directly reduce NO_X and particulate matter emissions, or to otherwise facilitate emissions and exposure reductions of these pollutants in nearby communities. The Project operator may be required to implement additional emission reduction strategies. Conservatively, this analysis is not taking credit for these potential reductions. Compliance with Rule 2305 would reduce emissions below what is currently analyzed.

Criteria Pollutant Health Impacts

On December 24, 2018, the California Supreme Court issued an opinion identifying the need to provide sufficient information connecting a project's air emissions to health impacts or explain why such information could not be ascertained (*Sierra Club v. County of Fresno* [Friant Ranch, L.P.] [2018] Cal.5th, Case No. S219783). The SCAQMD has set its CEQA significance thresholds based on the FCAA, which defines a major stationary source (in extreme O_3 nonattainment areas such as the SCAB) as emitting 10 tons per year. The thresholds correlate with the trigger levels for the federal New Source Review (NSR) Program and SCAQMD Rule 1303 for new or modified sources. The NSR Program[4] was created by the FCAA

[4] Code of Federal Regulation (CFR) [i.e. PSD (40 CFR 52.21, 40 CFR 51.166, 40 CFR 51.165 (b)), Non-attainment NSR (40 CFR 52.24, 40 CFR 51.165, 40 CFR part 51, Appendix S)

to ensure that stationary sources of air pollution are constructed or modified in a manner that is consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, projects that do not exceed the SCAQMD's LSTs and mass emissions thresholds would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts.

NO_X and ROG are precursor emissions that form O_3 in the atmosphere in the presence of sunlight where the pollutants undergo complex chemical reactions. It takes time and the influence of meteorological conditions for these reactions to occur, so O_3 may be formed at a distance downwind from the sources. Breathing ground-level O_3 can result health effects that include: reduced lung function, inflammation of airways, throat irritation, pain, burning, or discomfort in the chest when taking a deep breath, chest tightness, wheezing, or shortness of breath. In addition to these effects, evidence from observational studies strongly indicates that higher daily O_3 concentrations are associated with increased asthma attacks, increased hospital admissions, increased daily mortality, and other markers of morbidity. The consistency and coherence of the evidence for effects upon asthmatics suggests that O_3 can make asthma symptoms worse and can increase sensitivity to asthma triggers.

According the SCAQMD's 2016 AQMP, O_3, NO_X, and ROG have been decreasing in the SCAB since 1975 and are projected to continue to decrease in the future. Although vehicle miles traveled in the SCAB continue to increase, NO_X and ROG levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_X emissions from electric utilities have also decreased due to the use of cleaner fuels and renewable energy. The 2016 AQMP demonstrates how the SCAQMD's control strategy to meet the 8-hour O_3 standard in 2023 would lead to sufficient NO_X emission reductions to attain the 1-hour O_3 standard by 2022. In addition, since NO_X emissions also lead to the formation of $PM_{2.5}$, the NO_X reductions needed to meet the O_3 standards will likewise lead to improvement of $PM_{2.5}$ levels and attainment of $PM_{2.5}$ standards.

The SCAQMD's air quality modeling demonstrates that NO_X reductions prove to be much more effective in reducing O_3 levels and will also lead to significant improvement in $PM_{2.5}$ concentrations. NO_X-emitting stationary sources regulated by the SCAQMD include Regional Clean Air Incentives Market (RECLAIM) facilities (e.g. refineries, power plants, etc.), natural gas combustion equipment (e.g. boilers, heaters, engines, burners, flares) and other combustion sources that burn wood or propane. The 2016 AQMP identifies robust NO_X reductions from new regulations on RECLAIM facilities, non-refinery flares, commercial cooking, and residential and commercial appliances. Such combustion sources are already heavily regulated with the lowest NO_X emissions levels achievable but there are opportunities to require and accelerate replacement with cleaner zero-emission alternatives, such as residential and commercial furnaces, pool heaters, and backup power equipment. The AQMD plans to achieve such replacements through a combination of regulations and incentives. Technology-forcing regulations can drive development and commercialization of clean technologies, with future year requirements for new or existing equipment. Incentives can then accelerate deployment and enhance public acceptability of new technologies.

The 2016 AQMD also emphasizes that beginning in 2012, continued implementation of previously adopted regulations will lead to NO_X emission reductions of 68 percent by 2023 and 80 percent by 2031. With the addition of 2016 AQMP proposed regulatory measures, a 30 percent reduction of NO_X from stationary sources is expected in the 15-year period between 2008 and 2023. This is in addition to significant NO_X reductions from stationary sources achieved in the decades prior to 2008.

As previously discussed, Project emissions would be potentially significant and would require mitigation measures AQ-1 through AQ-5 to reduce NO_X emissions (refer to Table 10). Localized effects of on-site Project emissions with mitigation were found to be less than significant on nearby receptors (refer to Table 12 and Table 13). The LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable state or federal ambient air quality standard. The LSTs were developed by the SCAQMD based on the ambient concentrations of that pollutant for each SRA and distance to the nearest sensitive receptor. The ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect public health, including protecting the health of sensitive populations.

Carbon Monoxide Hotspots

An analysis of CO "hot spots" is needed to determine whether the change in the level of service of an intersection resulting from the Project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined. Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard.

The SCAB was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD's AQMP. The 2003 AQMP is the most recent version that addresses CO concentrations. As part of the SCAQMD *CO Hotspot Analysis*, the Wilshire Boulevard and Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 ppm, which is well below the 35-ppm Federal standard. The Project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's *CO Hotspot Analysis*. As the CO hotspots were not experienced at the Wilshire Boulevard and Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections resulting from 1,183 additional vehicle trips (40 percent trucks), with 116 trips in the morning peak hour and 129 trips in the evening peak hour attributable to the Project. Therefore, impacts would be less than significant.

Construction-Related Diesel Particulate Matter

Construction would result in the generation of DPM emissions from the use of off-road diesel equipment required. The amount to which the receptors are exposed (a function of concentration and duration of exposure) is the primary factor used to determine health risk (i.e. potential exposure to TAC emission levels that exceed applicable standards). Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer.

The use of diesel-powered construction equipment would be temporary and episodic. The duration of exposure would be short and exhaust from construction equipment dissipates rapidly. Current models and methodologies for conducting health risk assessments are associated with longer-term exposure periods of 9, 30, and 70 years, which do not correlate well with the temporary and highly variable nature of construction activities. The California Office of Environmental Health Hazard Assessment has not

identified short-term health effects from DPM. Construction is temporary and would be transient throughout the site (i.e., move from location to location) and would not generate emissions in a fixed location for extended periods of time which would limit the exposure of any proximate individual sensitive receptor to TACs.

Additionally, construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Sections 2485 and 2449), which reduce diesel PM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Given the temporary and intermittent nature of construction activities likely to occur within specific locations in the Project site (i.e., construction is not likely to occur in any one location for an extended time), the dose of DPM of any one receptor is exposed to would be limited. Therefore, considering the relatively short duration of DPM-emitting construction activity at any one location and the highly dispersive properties of DPM, sensitive receptors would not be exposed to substantial concentrations of construction-related TAC emissions, however construction-related health impacts are analyzed in greater detail in the Health Risk Assessment. With implementation of Mitigation Measure AQ-1, construction health risk impacts would be less than significant.

Mitigation Measures: Mitigation Measures AQ-1 through AQ-5 (refer to Impact Threshold 5.2, above).

Level of Significance: Less than significant impact with mitigation incorporated.

Threshold 5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The SCAQMD *CEQA Air Quality Handbook* identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources.

During construction-related activities, some odors (not substantial pollutant concentrations) that may be detected are those typical of construction vehicles (e.g. diesel exhaust from grading and construction equipment). These odors are a temporary short-term impact that is typical of construction projects and would disperse rapidly. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, the Project would not create objectionable odors.

Mitigation Measures: No mitigation is required.

Level of Significance: No impact.

6 REFERENCES

1. California Air Pollution Control Officers Association (CAPCOA), *Health Effects*, 2018.
2. California Air Pollution Control Officers Association (CAPCOA), *Health Risk Assessments for Proposed Land Use Projects*, 2009.
3. California Air Resources Board, *Aerometric Data Analysis and Measurement System (ADAM) Top Four Summaries from 2015 to 2017*, 2019.
4. California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective*, 2005.
5. California Air Resources Board, *Current Air Quality Standards*, 2016.
6. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, 2000.
7. City of Rialto, *City of Rialto General Plan*, 2010
8. Federal Highway Administration*, Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents,* 2016.
9. Kimley-Horn, *Olive Grove Business Park Project Traffic Impact Study*, January 2021.
10. Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, 2015.
11. RGA, Office of Architectural Design, Schematic Design. 12-6-2020
12. Southern California Association of Governments, *Connect SoCal, 2020 - 2045 Regional Transportation Plan/Sustainable Communities Strategy*, 2020.
13. South Coast Air Quality Management District, *2016 Air Quality Management Plan,* March 2017.
14. South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.
15. South Coast Air Quality Management District, *Localized Significance Threshold Methodology*, 2009.
16. South Coast Air Quality Management District, *High-Cube Warehouse Vehicle Trip Generation Analysis*, 2016.
17. United States Environmental Protection Agency, *National Ambient Air Quality Standards Table*, 2016.
18. United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants*, 2019.
19. United States Environmental Protection Agency, *Policy Assessment for the Review of the Lead National Ambient Air Quality Standards*, 2013.

Appendix A

Air Quality Modeling Data

Olive Grove Business Park

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.00	10,000.00	0
Unrefrigerated Warehouse-No Rail	669.61	1000sqft	15.37	669,607.00	0
Parking Lot	527.95	1000sqft	12.12	527,947.00	0
City Park	4.06	Acre	4.06	176,857.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Olive Grove Business Park - San Bernardino-South Coast County, Summer

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - warehouse buildings= 425,148 sf + 243,593 sf + fire pump building 866 sf, office space = 10,000 sf, landscape shown as city park =176857sf, parking/drive aisles/off site improvements =527,947 sf

Construction Phase - anticipated construction schedule, construction duration of 10 months. Construction, Paving, and Painting to occur concurrently

Trips and VMT -

Grading - 229,748 cubic yards of export

Architectural Coating - Rule 1113 - low VOC paint

Vehicle Trips - based on traffic study: 1,183 trips/669.607k = 1.766707934654207617303881231827, trip length based on Forecasting Metropolitan Commercial and Freight Travel, average truck trip length in SCAG is 24.11 miles, rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use Low VOC paint, Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - consistent with CA building code

Waste Mitigation -

Operational Off-Road Equipment - Assume 1 forklifts per building unit, total 7

Fleet Mix - fllet mix Based on Traffic Study trip generation table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00

Olive Grove Business Park - San Bernardino-South Coast County, Summer

tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
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tblConstructionPhase	NumDays	500.00	100.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	87.00
tblFleetMix	HHD	0.06	0.28
tblFleetMix	LDA	0.55	0.24
tblFleetMix	LHD2	5.2670e-003	8.0000e-003
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	MaterialExported	0.00	229,748.00
tblLandUse	LandUseSquareFeet	0.00	10,000.00
tblLandUse	LandUseSquareFeet	669,610.00	669,607.00
tblLandUse	LandUseSquareFeet	527,950.00	527,947.00
tblLandUse	LandUseSquareFeet	176,853.60	176,857.00

Olive Grove Business Park - San Bernardino-South Coast County, Summer

tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
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tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
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tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004

tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10

tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17

tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003

tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18

tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003

tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.8230e-003
tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8330e-003
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.67
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	8.94
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.59	1.41

tblVehicleEF	LHD2	0.54	0.22
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8240e-003

tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004

tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	8.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85

tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003

tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004

tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12

tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
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tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20

tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
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tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
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tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
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tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
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tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
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tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
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tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004

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tblVehicleEF	MH	0.56	0.47
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tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
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tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.28
tblVehicleEF	MHD	4.3700e-004	2.0960e-003
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tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	4.1800e-004	2.0050e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
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tblVehicleEF	MHD	0.02	0.02

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tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
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tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
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tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	6.4700e-003
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tblVehicleEF	MHD	3.6900e-004	1.7700e-003

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tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	3.5300e-004	1.6930e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
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tblVehicleEF	MHD	2.8480e-003	9.1700e-004
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tblVehicleEF	MHD	1.6690e-003	5.2200e-004
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tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	MHD	5.3200e-004	2.5470e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	5.0900e-004	2.4370e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
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tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	6.4000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004

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tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
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tblVehicleEF	OBUS	1,126.32	1,439.48
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tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
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tblVehicleEF	OBUS	0.05	0.28

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tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003

tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
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tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
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tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
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tblVehicleEF	OBUS	0.05	0.30
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13

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tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03

tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59
tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003

tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50

tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80
tblVehicleEF	SBUS	11.91	3.29
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004

tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004

tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03

tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003

tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.77

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.5310	119.2451	66.5994	0.3122	18.2675	2.1927	20.3132	9.9840	2.0248	11.8661	0.0000	32,557.6623	32,557.6623	3.3605	0.0000	32,641.6756
Maximum	**57.5310**	**119.2451**	**66.5994**	**0.3122**	**18.2675**	**2.1927**	**20.3132**	**9.9840**	**2.0248**	**11.8661**	**0.0000**	**32,557.6623**	**32,557.6623**	**3.3605**	**0.0000**	**32,641.6756**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.5310	119.2451	66.5994	0.3122	9.4436	2.1927	11.6362	4.5183	2.0248	6.4004	0.0000	32,557.6623	32,557.6623	3.3605	0.0000	32,641.6756
Maximum	**57.5310**	**119.2451**	**66.5994**	**0.3122**	**9.4436**	**2.1927**	**11.6362**	**4.5183**	**2.0248**	**6.4004**	**0.0000**	**32,557.6623**	**32,557.6623**	**3.3605**	**0.0000**	**32,641.6756**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**48.30**	**0.00**	**42.72**	**54.74**	**0.00**	**46.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858
Mobile	6.3004	79.7484	66.8192	0.3781	19.3862	1.2377	20.6239	5.2875	1.1821	6.4695		40,817.6674	40,817.6674	2.4977		40,880.1088
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**22.6770**	**88.3778**	**75.4318**	**0.3910**	**19.3862**	**1.8524**	**21.2387**	**5.2875**	**1.7500**	**7.0374**		**42,303.4620**	**42,303.4620**	**2.8421**	**8.2400e-003**	**42,376.9692**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
Mobile	5.8861	72.1376	60.6710	0.3396	17.3649	1.1096	18.4746	4.7362	1.0598	5.7959		36,659.3923	36,659.3923	2.2501		36,715.6450
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**21.3674**	**80.6563**	**69.1906**	**0.3519**	**17.3649**	**1.7160**	**19.0809**	**4.7362**	**1.6193**	**6.3554**		**38,012.3346**	**38,012.3346**	**2.5920**	**5.8000e-003**	**38,078.8636**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.77**	**8.74**	**8.27**	**10.02**	**10.43**	**7.37**	**10.16**	**10.43**	**7.47**	**9.69**	**0.00**	**10.14**	**10.14**	**8.80**	**29.61**	**10.14**

3.0 Construction Detail

Construction Phase

Olive Grove Business Park - San Bernardino-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/29/2021	5	20	
2	Grading	Grading	1/30/2021	6/4/2021	5	90	
3	Building Construction	Building Construction	6/12/2021	10/29/2021	5	100	
4	Paving	Paving	7/1/2021	10/29/2021	5	87	
5	Architectural Coating	Architectural Coating	8/1/2021	10/29/2021	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 225

Acres of Paving: 12.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,019,411; Non-Residential Outdoor: 339,804; Striped Parking Area: 31,677 (Architectural Coating – sqft)

OffRoad Equipment

Olive Grove Business Park - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	28,719.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	580.00	227.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.1855	1.2900e-003	0.1867	0.0495	1.1900e-003	0.0507		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.1855**	**1.2900e-003**	**0.1867**	**0.0495**	**1.1900e-003**	**0.0507**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9620	0.0000	8.9620	3.6402	0.0000	3.6402			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.9620**	**1.9853**	**10.9474**	**3.6402**	**1.8265**	**5.4667**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8961	72.7824	11.2728	0.2479	5.5843	0.2059	5.7902	1.5310	0.1970	1.7280		26,331.8028	26,331.8028	1.4115		26,367.0904
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1016	0.0628	0.8280	2.2000e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		218.8161	218.8161	6.2300e-003		218.9718
Total	**1.9977**	**72.8452**	**12.1007**	**0.2501**	**5.8078**	**0.2073**	**6.0152**	**1.5903**	**0.1983**	**1.7886**		**26,550.6189**	**26,550.6189**	**1.4177**		**26,586.0622**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0329	0.0000	4.0329	1.6381	0.0000	1.6381			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**4.0329**	**1.9853**	**6.0183**	**1.6381**	**1.8265**	**3.4646**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8961	72.7824	11.2728	0.2479	5.2046	0.2059	5.4105	1.4378	0.1970	1.6348		26,331.8028	26,331.8028	1.4115		26,367.0904
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1016	0.0628	0.8280	2.2000e-003	0.2061	1.4300e-003	0.2075	0.0550	1.3200e-003	0.0563		218.8161	218.8161	6.2300e-003		218.9718
Total	**1.9977**	**72.8452**	**12.1007**	**0.2501**	**5.4107**	**0.2073**	**5.6180**	**1.4928**	**0.1983**	**1.6911**		**26,550.6189**	**26,550.6189**	**1.4177**		**26,586.0622**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5874	21.8913	4.1192	0.0612	1.4539	0.0375	1.4914	0.4186	0.0359	0.4545		6,460.1773	6,460.1773	0.4083		6,470.3836
Worker	2.9470	1.8216	24.0110	0.0637	6.4830	0.0415	6.5245	1.7193	0.0382	1.7575		6,345.6670	6,345.6670	0.1806		6,350.1822
Total	**3.5344**	**23.7129**	**28.1303**	**0.1250**	**7.9369**	**0.0790**	**8.0159**	**2.1380**	**0.0741**	**2.2120**		**12,805.8443**	**12,805.8443**	**0.5889**		**12,820.5658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5874	21.8913	4.1192	0.0612	1.3607	0.0375	1.3982	0.3958	0.0359	0.4316		6,460.1773	6,460.1773	0.4083		6,470.3836
Worker	2.9470	1.8216	24.0110	0.0637	5.9758	0.0415	6.0173	1.5948	0.0382	1.6330		6,345.6670	6,345.6670	0.1806		6,350.1822
Total	**3.5344**	**23.7129**	**28.1303**	**0.1250**	**7.3365**	**0.0790**	**7.4155**	**1.9906**	**0.0741**	**2.0647**		**12,805.8443**	**12,805.8443**	**0.5889**		**12,820.5658**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1546**	**1.0700e-003**	**0.1556**	**0.0413**	**9.9000e-004**	**0.0422**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5894	0.3643	4.8022	0.0128	1.2966	8.2900e-003	1.3049	0.3439	7.6400e-003	0.3515		1,269.1334	1,269.1334	0.0361		1,270.0364
Total	**0.5894**	**0.3643**	**4.8022**	**0.0128**	**1.2966**	**8.2900e-003**	**1.3049**	**0.3439**	**7.6400e-003**	**0.3515**		**1,269.1334**	**1,269.1334**	**0.0361**		**1,270.0364**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5894	0.3643	4.8022	0.0128	1.1952	8.2900e-003	1.2035	0.3190	7.6400e-003	0.3266		1,269.1334	1,269.1334	0.0361		1,270.0364
Total	**0.5894**	**0.3643**	**4.8022**	**0.0128**	**1.1952**	**8.2900e-003**	**1.2035**	**0.3190**	**7.6400e-003**	**0.3266**		**1,269.1334**	**1,269.1334**	**0.0361**		**1,270.0364**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.8861	72.1376	60.6710	0.3396	17.3649	1.1096	18.4746	4.7362	1.0598	5.7959		36,659.3923	36,659.3923	2.2501		36,715.6450
Unmitigated	6.3004	79.7484	66.8192	0.3781	19.3862	1.2377	20.6239	5.2875	1.1821	6.4695		40,817.6674	40,817.6674	2.4977		40,880.1088

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,183.01	1,183.01	1183.01	8,631,226	7,731,294
Total	1,183.01	1,183.01	1,183.01	8,631,226	7,731,294

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.240542	0.037123	0.179649	0.119457	0.017229	0.008000	0.112000	0.280000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
NaturalGas Unmitigated	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	95.0685	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1845	11.1845	2.1000e-004	2.1000e-004	11.2510
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3724.12	0.0402	0.3651	0.3067	2.1900e-003		0.0278	0.0278		0.0278	0.0278		438.1313	438.1313	8.4000e-003	8.0300e-003	440.7349
Total		**0.0412**	**0.3744**	**0.3145**	**2.2500e-003**		**0.0285**	**0.0285**		**0.0285**	**0.0285**		**449.3158**	**449.3158**	**8.6100e-003**	**8.2400e-003**	**451.9858**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0665479	7.2000e-004	6.5200e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.8292	7.8292	1.5000e-004	1.4000e-004	7.8757
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.62339	0.0283	0.2572	0.2160	1.5400e-003		0.0196	0.0196		0.0196	0.0196		308.6343	308.6343	5.9200e-003	5.6600e-003	310.4684
Total		**0.0290**	**0.2637**	**0.2215**	**1.5800e-003**		**0.0201**	**0.0201**		**0.0201**	**0.0201**		**316.4635**	**316.4635**	**6.0700e-003**	**5.8000e-003**	**318.3441**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Unmitigated	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**15.4301**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**14.5470**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	7	8.00	260	89	0.20	Electrical

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**0.9053**	**8.2539**	**8.1749**	**0.0107**		**0.5859**	**0.5859**		**0.5390**	**0.5390**		**1,036.2158**	**1,036.2158**	**0.3351**		**1,044.5941**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive Grove Business Park

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.00	10,000.00	0
Unrefrigerated Warehouse-No Rail	669.61	1000sqft	15.37	669,607.00	0
Parking Lot	527.95	1000sqft	12.12	527,947.00	0
City Park	4.06	Acre	4.06	176,857.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Olive Grove Business Park - San Bernardino-South Coast County, Winter

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - warehouse buildings= 425,148 sf + 243,593 sf + fire pump building 866 sf, office space = 10,000 sf, landscape shown as city park =176857sf, parking/drive aisles/off site improvements =527,947 sf

Construction Phase - anticipated construction schedule, construction duration of 10 months. Construction, Paving, and Painting to occur concurrently

Trips and VMT -

Grading - 229,748 cubic yards of export

Architectural Coating - Rule 1113 - low VOC paint

Vehicle Trips - based on traffic study: 1,183 trips/669.607k = 1.766707934654207617303881231827, trip length based on Forecasting Metropolitan Commercial and Freight Travel, average truck trip length in SCAG is 24.11 miles, rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use Low VOC paint, Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - consistent with CA building code

Waste Mitigation -

Operational Off-Road Equipment - Assume 1 forklifts per building unit, total 7

Fleet Mix - fllet mix Based on Traffic Study trip generation table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00

Olive Grove Business Park - San Bernardino-South Coast County, Winter

tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	NumDays	500.00	100.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	87.00
tblFleetMix	HHD	0.06	0.28
tblFleetMix	LDA	0.55	0.24
tblFleetMix	LHD2	5.2670e-003	8.0000e-003
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	MaterialExported	0.00	229,748.00
tblLandUse	LandUseSquareFeet	0.00	10,000.00
tblLandUse	LandUseSquareFeet	669,610.00	669,607.00
tblLandUse	LandUseSquareFeet	527,950.00	527,947.00
tblLandUse	LandUseSquareFeet	176,853.60	176,857.00

Olive Grove Business Park - San Bernardino-South Coast County, Winter

tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	5.64
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	4.3810e-003
tblVehicleEF	HHD	6,983.95	1,107.90
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.07	6.15
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004

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tblVehicleEF	HHD	5.7000e-005	4.0000e-006
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tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
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tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	1.02	0.50
tblVehicleEF	HHD	5.7000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
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tblVehicleEF	HHD	7,395.94	1,107.11
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.97	6.00
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tblVehicleEF	HHD	20.19	1.89

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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
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tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.84	0.45
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
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tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006

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tblVehicleEF	HHD	2.83	3.98
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tblVehicleEF	HHD	0.02	9.6000e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
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tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	0.96	0.41
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13

tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
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tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
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tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
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tblVehicleEF	LDA	1.5790e-003	1.4700e-003
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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05

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tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
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tblVehicleEF	LDA	286.52	293.82
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tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01

tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9070e-003
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tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25

tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47

tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003

tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004

tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10

tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17

tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003

tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18

tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003

tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.8230e-003
tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8330e-003
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.67
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	8.94
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.59	1.41

tblVehicleEF	LHD2	0.54	0.22
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8240e-003

tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004

tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	8.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85

tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003

tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004

tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12

tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
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tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20

tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
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tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
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tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
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tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.24
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tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
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tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004

tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
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tblVehicleEF	MHD	1.08	2.32
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tblVehicleEF	MHD	4.3700e-004	2.0960e-003
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tblVehicleEF	MHD	4.1800e-004	2.0050e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
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tblVehicleEF	MHD	0.02	0.02

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tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	6.4700e-003
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tblVehicleEF	MHD	0.32	0.52
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tblVehicleEF	MHD	1,105.72	1,006.20
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tblVehicleEF	MHD	3.6900e-004	1.7700e-003

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tblVehicleEF	MHD	3.5300e-004	1.6930e-003
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tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
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tblVehicleEF	MHD	0.35	0.03
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tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	5.0900e-004	2.4370e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
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tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
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tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004

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tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
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tblVehicleEF	OBUS	1,126.32	1,439.48
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tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28

tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
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tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003

tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.56
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	2.51
tblVehicleEF	OBUS	65.88	77.54
tblVehicleEF	OBUS	1,126.32	1,439.48

tblVehicleEF	OBUS	71.08	20.78
tblVehicleEF	OBUS	0.31	0.46
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.62
tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.4100e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13

tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03

tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59
tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003

tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50

tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80
tblVehicleEF	SBUS	11.91	3.29
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004

tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004

tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03

tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003

tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.77

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.5747	119.5219	62.0069	0.3054	18.2675	2.1955	20.3132	9.9840	2.0275	11.8661	0.0000	31,845.0620	31,845.0620	3.4811	0.0000	31,932.0905
Maximum	**57.5747**	**119.5219**	**62.0069**	**0.3054**	**18.2675**	**2.1955**	**20.3132**	**9.9840**	**2.0275**	**11.8661**	**0.0000**	**31,845.0620**	**31,845.0620**	**3.4811**	**0.0000**	**31,932.0905**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.5747	119.5219	62.0069	0.3054	9.4436	2.1955	11.6391	4.5183	2.0275	6.4004	0.0000	31,845.0620	31,845.0620	3.4811	0.0000	31,932.0905
Maximum	**57.5747**	**119.5219**	**62.0069**	**0.3054**	**9.4436**	**2.1955**	**11.6391**	**4.5183**	**2.0275**	**6.4004**	**0.0000**	**31,845.0620**	**31,845.0620**	**3.4811**	**0.0000**	**31,932.0905**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**48.30**	**0.00**	**42.70**	**54.74**	**0.00**	**46.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858
Mobile	6.1165	83.3201	60.3991	0.3699	19.3862	1.2390	20.6253	5.2875	1.1834	6.4708		39,993.8060	39,993.8060	2.4924		40,056.1161
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**22.4931**	**91.9496**	**69.0117**	**0.3829**	**19.3862**	**1.8538**	**21.2400**	**5.2875**	**1.7513**	**7.0387**		**41,479.6006**	**41,479.6006**	**2.8369**	**8.2400e-003**	**41,552.9766**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
Mobile	5.7097	75.3660	55.0208	0.3323	17.3649	1.1110	18.4759	4.7362	1.0611	5.7972		35,921.6269	35,921.6269	2.2469		35,977.7989
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**21.1909**	**83.8848**	**63.5404**	**0.3446**	**17.3649**	**1.7173**	**19.0823**	**4.7362**	**1.6206**	**6.3567**		**37,274.5692**	**37,274.5692**	**2.5888**	**5.8000e-003**	**37,341.0176**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.79**	**8.77**	**7.93**	**10.01**	**10.43**	**7.36**	**10.16**	**10.43**	**7.46**	**9.69**	**0.00**	**10.14**	**10.14**	**8.74**	**29.61**	**10.14**

3.0 Construction Detail

Construction Phase

Olive Grove Business Park - San Bernardino-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/29/2021	5	20	
2	Grading	Grading	1/30/2021	6/4/2021	5	90	
3	Building Construction	Building Construction	6/12/2021	10/29/2021	5	100	
4	Paving	Paving	7/1/2021	10/29/2021	5	87	
5	Architectural Coating	Architectural Coating	8/1/2021	10/29/2021	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 225

Acres of Paving: 12.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,019,411; Non-Residential Outdoor: 339,804; Striped Parking Area: 31,677 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	28,719.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	580.00	227.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.1855	1.2900e-003	0.1867	0.0495	1.1900e-003	0.0507		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.1855**	**1.2900e-003**	**0.1867**	**0.0495**	**1.1900e-003**	**0.0507**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9620	0.0000	8.9620	3.6402	0.0000	3.6402			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.9620**	**1.9853**	**10.9474**	**3.6402**	**1.8265**	**5.4667**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9818	73.0560	12.8743	0.2414	5.5843	0.2087	5.7930	1.5310	0.1997	1.7307		25,641.7190	25,641.7190	1.5329		25,680.0409
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1018	0.0661	0.6791	1.9700e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		196.2995	196.2995	5.4600e-003		196.4361
Total	**2.0836**	**73.1220**	**13.5534**	**0.2434**	**5.8078**	**0.2102**	**6.0180**	**1.5903**	**0.2010**	**1.7913**		**25,838.0185**	**25,838.0185**	**1.5383**		**25,876.4770**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0329	0.0000	4.0329	1.6381	0.0000	1.6381			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**4.0329**	**1.9853**	**6.0183**	**1.6381**	**1.8265**	**3.4646**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9818	73.0560	12.8743	0.2414	5.2046	0.2087	5.4133	1.4378	0.1997	1.6375		25,641.7190	25,641.7190	1.5329		25,680.0409
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1018	0.0661	0.6791	1.9700e-003	0.2061	1.4300e-003	0.2075	0.0550	1.3200e-003	0.0563		196.2995	196.2995	5.4600e-003		196.4361
Total	**2.0836**	**73.1220**	**13.5534**	**0.2434**	**5.4107**	**0.2102**	**5.6208**	**1.4928**	**0.2010**	**1.6938**		**25,838.0185**	**25,838.0185**	**1.5383**		**25,876.4770**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6231	21.6583	4.8184	0.0589	1.4539	0.0386	1.4925	0.4186	0.0369	0.4555		6,209.2475	6,209.2475	0.4525		6,220.5601
Worker	2.9535	1.9159	19.6944	0.0571	6.4830	0.0415	6.5245	1.7193	0.0382	1.7575		5,692.6865	5,692.6865	0.1585		5,696.6479
Total	**3.5766**	**23.5742**	**24.5127**	**0.1160**	**7.9369**	**0.0801**	**8.0170**	**2.1380**	**0.0751**	**2.2130**		**11,901.9340**	**11,901.9340**	**0.6110**		**11,917.2080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6231	21.6583	4.8184	0.0589	1.3607	0.0386	1.3993	0.3958	0.0369	0.4326		6,209.2475	6,209.2475	0.4525		6,220.5601
Worker	2.9535	1.9159	19.6944	0.0571	5.9758	0.0415	6.0173	1.5948	0.0382	1.6330		5,692.6865	5,692.6865	0.1585		5,696.6479
Total	**3.5766**	**23.5742**	**24.5127**	**0.1160**	**7.3365**	**0.0801**	**7.4165**	**1.9906**	**0.0751**	**2.0657**		**11,901.9340**	**11,901.9340**	**0.6110**		**11,917.2080**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1546**	**1.0700e-003**	**0.1556**	**0.0413**	**9.9000e-004**	**0.0422**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5907	0.3832	3.9389	0.0114	1.2966	8.2900e-003	1.3049	0.3439	7.6400e-003	0.3515		1,138.5373	1,138.5373	0.0317		1,139.3296
Total	**0.5907**	**0.3832**	**3.9389**	**0.0114**	**1.2966**	**8.2900e-003**	**1.3049**	**0.3439**	**7.6400e-003**	**0.3515**		**1,138.5373**	**1,138.5373**	**0.0317**		**1,139.3296**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5907	0.3832	3.9389	0.0114	1.1952	8.2900e-003	1.2035	0.3190	7.6400e-003	0.3266		1,138.5373	1,138.5373	0.0317		1,139.3296
Total	**0.5907**	**0.3832**	**3.9389**	**0.0114**	**1.1952**	**8.2900e-003**	**1.2035**	**0.3190**	**7.6400e-003**	**0.3266**		**1,138.5373**	**1,138.5373**	**0.0317**		**1,139.3296**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7097	75.3660	55.0208	0.3323	17.3649	1.1110	18.4759	4.7362	1.0611	5.7972		35,921.6269	35,921.6269	2.2469		35,977.7989
Unmitigated	6.1165	83.3201	60.3991	0.3699	19.3862	1.2390	20.6253	5.2875	1.1834	6.4708		39,993.8060	39,993.8060	2.4924		40,056.1161

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,183.01	1,183.01	1183.01	8,631,226	7,731,294
Total	1,183.01	1,183.01	1,183.01	8,631,226	7,731,294

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.240542	0.037123	0.179649	0.119457	0.017229	0.008000	0.112000	0.280000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
NaturalGas Unmitigated	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	95.0685	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1845	11.1845	2.1000e-004	2.1000e-004	11.2510
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3724.12	0.0402	0.3651	0.3067	2.1900e-003		0.0278	0.0278		0.0278	0.0278		438.1313	438.1313	8.4000e-003	8.0300e-003	440.7349
Total		**0.0412**	**0.3744**	**0.3145**	**2.2500e-003**		**0.0285**	**0.0285**		**0.0285**	**0.0285**		**449.3158**	**449.3158**	**8.6100e-003**	**8.2400e-003**	**451.9858**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0665479	7.2000e-004	6.5200e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.8292	7.8292	1.5000e-004	1.4000e-004	7.8757
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.62339	0.0283	0.2572	0.2160	1.5400e-003		0.0196	0.0196		0.0196	0.0196		308.6343	308.6343	5.9200e-003	5.6600e-003	310.4684
Total		**0.0290**	**0.2637**	**0.2215**	**1.5800e-003**		**0.0201**	**0.0201**		**0.0201**	**0.0201**		**316.4635**	**316.4635**	**6.0700e-003**	**5.8000e-003**	**318.3441**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Unmitigated	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**15.4301**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**14.5470**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	7	8.00	260	89	0.20	Electrical

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**0.9053**	**8.2539**	**8.1749**	**0.0107**		**0.5859**	**0.5859**		**0.5390**	**0.5390**		**1,036.2158**	**1,036.2158**	**0.3351**		**1,044.5941**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive Grove Business Park, Mitigated 2014 trucks or newer

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.00	10,000.00	0
Unrefrigerated Warehouse-No Rail	669.61	1000sqft	15.37	669,607.00	0
Parking Lot	527.95	1000sqft	12.12	527,947.00	0
City Park	4.06	Acre	4.06	176,857.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Summer

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - warehouse buildings= 425,148 sf + 243,593 sf + fire pump building 866 sf, office space = 10,000 sf, landscape shown as city park =176857sf, parking/drive aisles/off site improvements =527,947 sf

Construction Phase - anticipated construction schedule, construction duration of 10 months. Construction, Paving, and Painting to occur concurrently

Trips and VMT -

Grading - 229,748 cubic yards of export

Architectural Coating - Rule 1113 - low VOC paint

Vehicle Trips - based on traffic study: 1,183 trips/669.607k = 1.766707934654207617303881231827, trip length based on Forecasting Metropolitan Commercial and Freight Travel, average truck trip length in SCAG is 24.11 miles, rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Energy Use -

Construction Off-road Equipment Mitigation - Mitigation requires Tier 4 equipment during grading phase, Rule 403

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use Low VOC paint, Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - consistent with CA building code

Waste Mitigation -

Operational Off-Road Equipment - Assume 1 forklifts per building unit, total 7

Fleet Mix - fllet mix Based on Traffic Study trip generation table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Summer

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	NumDays	500.00	100.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	87.00
tblFleetMix	HHD	0.06	0.28
tblFleetMix	LDA	0.55	0.24

tblFleetMix	LHD2	5.2670e-003	8.0000e-003
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	MaterialExported	0.00	229,748.00
tblLandUse	LandUseSquareFeet	0.00	10,000.00
tblLandUse	LandUseSquareFeet	669,610.00	669,607.00
tblLandUse	LandUseSquareFeet	527,950.00	527,947.00
tblLandUse	LandUseSquareFeet	176,853.60	176,857.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.64
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.92	2.6330e-003
tblVehicleEF	HHD	6,983.95	1,244.43
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	6.11
tblVehicleEF	HHD	2.87	1.80
tblVehicleEF	HHD	20.20	2.44
tblVehicleEF	HHD	0.01	2.2010e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	2.1060e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	0.00
tblVehicleEF	HHD	3.4490e-003	2.0000e-006
tblVehicleEF	HHD	0.89	0.51
tblVehicleEF	HHD	5.7000e-005	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.4200e-004	4.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	0.00
tblVehicleEF	HHD	3.4490e-003	2.0000e-006
tblVehicleEF	HHD	1.02	6.62
tblVehicleEF	HHD	5.7000e-005	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.4200e-004	4.0000e-006
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	1.17	0.03

tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.54
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.80	2.4860e-003
tblVehicleEF	HHD	7,395.94	1,228.09
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	5.81
tblVehicleEF	HHD	2.70	1.70
tblVehicleEF	HHD	20.19	2.44
tblVehicleEF	HHD	0.01	1.9560e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	1.8710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	0.00
tblVehicleEF	HHD	3.9090e-003	3.0000e-006
tblVehicleEF	HHD	0.84	0.54
tblVehicleEF	HHD	1.2900e-004	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.4800e-004	4.0000e-006

tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	0.00
tblVehicleEF	HHD	3.9090e-003	3.0000e-006
tblVehicleEF	HHD	0.97	7.01
tblVehicleEF	HHD	1.2900e-004	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.4800e-004	4.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.78
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.89	2.6120e-003
tblVehicleEF	HHD	6,415.00	1,266.99
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	26.84	6.53
tblVehicleEF	HHD	2.83	1.78
tblVehicleEF	HHD	20.20	2.44
tblVehicleEF	HHD	0.02	2.5400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02

tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.02	2.4300e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	3.7830e-003	3.0000e-006
tblVehicleEF	HHD	0.96	0.47
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.5900e-004	5.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	3.7830e-003	3.0000e-006
tblVehicleEF	HHD	1.10	6.07
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.5900e-004	5.0000e-006
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18

tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82

tblVehicleEF	LDA	59.28	54.72
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4100e-004
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39

tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15

tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30

tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003

tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003

tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003

tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003

tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004

tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004

tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
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tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004

tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.2380e-003
tblVehicleEF	LHD2	5.2410e-003	1.5890e-003
tblVehicleEF	LHD2	9.1660e-003	4.1550e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.29	0.48
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.08
tblVehicleEF	LHD2	0.12	0.10

tblVehicleEF	LHD2	1.69	0.07
tblVehicleEF	LHD2	0.56	0.13
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003
tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	1.4000e-003	2.3000e-004
tblVehicleEF	LHD2	0.04	3.9430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	1.2800e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02
tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7300e-004	7.0000e-005
tblVehicleEF	LHD2	1.4000e-003	2.3000e-004
tblVehicleEF	LHD2	0.04	3.9430e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	7.3800e-004	1.2800e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.14	0.02

tblVehicleEF	LHD2	3.8190e-003	3.2440e-003
tblVehicleEF	LHD2	5.3190e-003	1.6010e-003
tblVehicleEF	LHD2	8.7380e-003	3.9920e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.56	0.12
tblVehicleEF	LHD2	1.21	0.46
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.04
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	1.59	0.07
tblVehicleEF	LHD2	0.54	0.12
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003
tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	2.7070e-003	4.2800e-004
tblVehicleEF	LHD2	0.05	5.1950e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	2.7500e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02

tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7100e-004	7.0000e-005
tblVehicleEF	LHD2	2.7070e-003	4.2800e-004
tblVehicleEF	LHD2	0.05	5.1950e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	1.6130e-003	2.7500e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.13	0.02
tblVehicleEF	LHD2	3.8190e-003	3.2380e-003
tblVehicleEF	LHD2	5.2490e-003	1.5900e-003
tblVehicleEF	LHD2	9.0820e-003	4.1390e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.27	0.48
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.07
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	1.67	0.07
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003

tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	1.4600e-003	2.4600e-004
tblVehicleEF	LHD2	0.05	4.7640e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	1.3100e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02
tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7200e-004	7.0000e-005
tblVehicleEF	LHD2	1.4600e-003	2.4600e-004
tblVehicleEF	LHD2	0.05	4.7640e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	7.2300e-004	1.3100e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.13	0.02
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13

tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25

tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003

tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003

tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003

tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03

tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.08
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003

tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
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tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004

tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	2.3420e-003
tblVehicleEF	MHD	4.1450e-003	4.7400e-004
tblVehicleEF	MHD	0.06	4.4850e-003
tblVehicleEF	MHD	0.33	0.30
tblVehicleEF	MHD	0.31	0.07
tblVehicleEF	MHD	6.00	0.42
tblVehicleEF	MHD	155.10	60.32
tblVehicleEF	MHD	1,105.72	930.75
tblVehicleEF	MHD	53.92	5.00
tblVehicleEF	MHD	0.63	0.27

tblVehicleEF	MHD	1.08	0.79
tblVehicleEF	MHD	11.74	1.90
tblVehicleEF	MHD	4.3700e-004	6.7000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
tblVehicleEF	MHD	8.2200e-004	5.7000e-005
tblVehicleEF	MHD	4.1800e-004	6.4000e-005
tblVehicleEF	MHD	5.3330e-003	5.1790e-003
tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	1.4330e-003	6.8000e-005
tblVehicleEF	MHD	0.05	1.6160e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1400e-004	3.8000e-005
tblVehicleEF	MHD	0.04	6.4760e-003
tblVehicleEF	MHD	0.02	4.4700e-003
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.4910e-003	5.7200e-004
tblVehicleEF	MHD	0.01	8.8480e-003
tblVehicleEF	MHD	6.4400e-004	4.9000e-005
tblVehicleEF	MHD	1.4330e-003	6.8000e-005
tblVehicleEF	MHD	0.05	1.6160e-003
tblVehicleEF	MHD	0.03	0.27
tblVehicleEF	MHD	7.1400e-004	3.8000e-005
tblVehicleEF	MHD	0.05	7.5990e-003
tblVehicleEF	MHD	0.02	4.4700e-003
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	2.2390e-003
tblVehicleEF	MHD	4.2290e-003	4.8000e-004

tblVehicleEF	MHD	0.05	4.3130e-003
tblVehicleEF	MHD	0.24	0.27
tblVehicleEF	MHD	0.32	0.07
tblVehicleEF	MHD	5.61	0.40
tblVehicleEF	MHD	164.29	59.63
tblVehicleEF	MHD	1,105.72	930.75
tblVehicleEF	MHD	53.92	4.96
tblVehicleEF	MHD	0.65	0.26
tblVehicleEF	MHD	1.01	0.74
tblVehicleEF	MHD	11.70	1.89
tblVehicleEF	MHD	3.6900e-004	6.0000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
tblVehicleEF	MHD	8.2200e-004	5.7000e-005
tblVehicleEF	MHD	3.5300e-004	5.7000e-005
tblVehicleEF	MHD	5.3330e-003	5.1790e-003
tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.2800e-004
tblVehicleEF	MHD	0.05	2.1640e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.6690e-003	8.2000e-005
tblVehicleEF	MHD	0.04	6.4920e-003
tblVehicleEF	MHD	0.02	4.4120e-003
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	5.6500e-004
tblVehicleEF	MHD	0.01	8.8480e-003
tblVehicleEF	MHD	6.3800e-004	4.9000e-005
tblVehicleEF	MHD	2.8480e-003	1.2800e-004

tblVehicleEF	MHD	0.05	2.1640e-003
tblVehicleEF	MHD	0.03	0.26
tblVehicleEF	MHD	1.6690e-003	8.2000e-005
tblVehicleEF	MHD	0.05	7.6230e-003
tblVehicleEF	MHD	0.02	4.4120e-003
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	2.4960e-003
tblVehicleEF	MHD	4.1530e-003	4.7400e-004
tblVehicleEF	MHD	0.06	4.4490e-003
tblVehicleEF	MHD	0.46	0.34
tblVehicleEF	MHD	0.31	0.07
tblVehicleEF	MHD	5.90	0.42
tblVehicleEF	MHD	142.41	61.27
tblVehicleEF	MHD	1,105.72	930.75
tblVehicleEF	MHD	53.92	4.99
tblVehicleEF	MHD	0.60	0.29
tblVehicleEF	MHD	1.06	0.78
tblVehicleEF	MHD	11.73	1.90
tblVehicleEF	MHD	5.3200e-004	7.8000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
tblVehicleEF	MHD	8.2200e-004	5.7000e-005
tblVehicleEF	MHD	5.0900e-004	7.4000e-005
tblVehicleEF	MHD	5.3330e-003	5.1790e-003
tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	1.5800e-003	7.4000e-005
tblVehicleEF	MHD	0.05	1.9630e-003
tblVehicleEF	MHD	0.03	0.01

tblVehicleEF	MHD	7.0500e-004	3.9000e-005
tblVehicleEF	MHD	0.04	6.4760e-003
tblVehicleEF	MHD	0.02	4.9360e-003
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	5.8000e-004
tblVehicleEF	MHD	0.01	8.8480e-003
tblVehicleEF	MHD	6.4300e-004	4.9000e-005
tblVehicleEF	MHD	1.5800e-003	7.4000e-005
tblVehicleEF	MHD	0.05	1.9630e-003
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	7.0500e-004	3.9000e-005
tblVehicleEF	MHD	0.05	7.6000e-003
tblVehicleEF	MHD	0.02	4.9360e-003
tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	2.51
tblVehicleEF	OBUS	70.21	78.17
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.77
tblVehicleEF	OBUS	0.32	0.46
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003

tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.75	0.99

tblVehicleEF	OBUS	6.11	2.33
tblVehicleEF	OBUS	73.34	78.62
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	20.47
tblVehicleEF	OBUS	0.33	0.46
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003

tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.56
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	2.51
tblVehicleEF	OBUS	65.88	77.54
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.78
tblVehicleEF	OBUS	0.31	0.46
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.62
tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.30

tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.4100e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005

tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59

tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39

tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80
tblVehicleEF	SBUS	11.91	3.29
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28

tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03

tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38

tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.77

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.5310	119.2451	66.5994	0.3122	18.2675	2.1927	20.3132	9.9840	2.0248	11.8661	0.0000	32,557.6623	32,557.6623	3.3605	0.0000	32,641.6756
Maximum	**57.5310**	**119.2451**	**66.5994**	**0.3122**	**18.2675**	**2.1927**	**20.3132**	**9.9840**	**2.0248**	**11.8661**	**0.0000**	**32,557.6623**	**32,557.6623**	**3.3605**	**0.0000**	**32,641.6756**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.2222	92.1159	66.8142	0.3122	9.4436	1.5387	10.2249	4.5183	1.4449	4.5816	0.0000	32,557.6623	32,557.6623	3.3605	0.0000	32,641.6756
Maximum	**57.2222**	**92.1159**	**66.8142**	**0.3122**	**9.4436**	**1.5387**	**10.2249**	**4.5183**	**1.4449**	**4.5816**	**0.0000**	**32,557.6623**	**32,557.6623**	**3.3605**	**0.0000**	**32,641.6756**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.54**	**22.75**	**-0.32**	**0.00**	**48.30**	**29.83**	**49.66**	**54.74**	**28.64**	**61.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858
Mobile	4.0762	40.1430	60.2254	0.3475	19.3893	0.3307	19.7200	5.2886	0.3144	5.6029		37,181.1852	37,181.1852	1.5619		37,220.2330
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**20.4527**	**48.7724**	**68.8380**	**0.3605**	**19.3893**	**0.9455**	**20.3348**	**5.2886**	**0.8823**	**6.1708**		**38,666.9797**	**38,666.9797**	**1.9064**	**8.2400e-003**	**38,717.0934**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
Mobile	3.8956	36.6964	54.9102	0.3123	17.3677	0.2967	17.6644	4.7371	0.2821	5.0192		33,410.8402	33,410.8402	1.4120		33,446.1407
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**19.3768**	**45.2151**	**63.4298**	**0.3246**	**17.3677**	**0.9031**	**18.2708**	**4.7371**	**0.8415**	**5.5787**		**34,763.7825**	**34,763.7825**	**1.7539**	**5.8000e-003**	**34,809.3594**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.26**	**7.29**	**7.86**	**9.96**	**10.43**	**4.49**	**10.15**	**10.43**	**4.62**	**9.60**	**0.00**	**10.09**	**10.09**	**8.00**	**29.61**	**10.09**

3.0 Construction Detail

Construction Phase

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/29/2021	5	20	
2	Grading	Grading	1/30/2021	6/4/2021	5	90	
3	Building Construction	Building Construction	6/12/2021	10/29/2021	5	100	
4	Paving	Paving	7/1/2021	10/29/2021	5	87	
5	Architectural Coating	Architectural Coating	8/1/2021	10/29/2021	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 225

Acres of Paving: 12.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,019,411; Non-Residential Outdoor: 339,804; Striped Parking Area: 31,677 (Architectural Coating – sqft)

OffRoad Equipment

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	28,719.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	580.00	227.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.6967	12.1620	22.9600	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6967**	**12.1620**	**22.9600**	**0.0380**	**8.1298**	**0.0621**	**8.1919**	**4.4688**	**0.0621**	**4.5309**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.1855	1.2900e-003	0.1867	0.0495	1.1900e-003	0.0507		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.1855**	**1.2900e-003**	**0.1867**	**0.0495**	**1.1900e-003**	**0.0507**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9620	0.0000	8.9620	3.6402	0.0000	3.6402			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.9620**	**1.9853**	**10.9474**	**3.6402**	**1.8265**	**5.4667**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8961	72.7824	11.2728	0.2479	5.5843	0.2059	5.7902	1.5310	0.1970	1.7280		26,331.8028	26,331.8028	1.4115		26,367.0904
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1016	0.0628	0.8280	2.2000e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		218.8161	218.8161	6.2300e-003		218.9718
Total	**1.9977**	**72.8452**	**12.1007**	**0.2501**	**5.8078**	**0.2073**	**6.0152**	**1.5903**	**0.1983**	**1.7886**		**26,550.6189**	**26,550.6189**	**1.4177**		**26,586.0622**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0329	0.0000	4.0329	1.6381	0.0000	1.6381			0.0000			0.0000
Off-Road	1.0110	19.2707	36.7226	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**1.0110**	**19.2707**	**36.7226**	**0.0620**	**4.0329**	**0.1015**	**4.1345**	**1.6381**	**0.1015**	**1.7396**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8961	72.7824	11.2728	0.2479	5.2046	0.2059	5.4105	1.4378	0.1970	1.6348		26,331.8028	26,331.8028	1.4115		26,367.0904
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1016	0.0628	0.8280	2.2000e-003	0.2061	1.4300e-003	0.2075	0.0550	1.3200e-003	0.0563		218.8161	218.8161	6.2300e-003		218.9718
Total	**1.9977**	**72.8452**	**12.1007**	**0.2501**	**5.4107**	**0.2073**	**5.6180**	**1.4928**	**0.1983**	**1.6911**		**26,550.6189**	**26,550.6189**	**1.4177**		**26,586.0622**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5874	21.8913	4.1192	0.0612	1.4539	0.0375	1.4914	0.4186	0.0359	0.4545		6,460.1773	6,460.1773	0.4083		6,470.3836
Worker	2.9470	1.8216	24.0110	0.0637	6.4830	0.0415	6.5245	1.7193	0.0382	1.7575		6,345.6670	6,345.6670	0.1806		6,350.1822
Total	**3.5344**	**23.7129**	**28.1303**	**0.1250**	**7.9369**	**0.0790**	**8.0159**	**2.1380**	**0.0741**	**2.2120**		**12,805.8443**	**12,805.8443**	**0.5889**		**12,820.5658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5921	16.0114	16.7900	0.0269		0.6785	0.6785		0.6446	0.6446	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.5921**	**16.0114**	**16.7900**	**0.0269**		**0.6785**	**0.6785**		**0.6446**	**0.6446**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5874	21.8913	4.1192	0.0612	1.3607	0.0375	1.3982	0.3958	0.0359	0.4316		6,460.1773	6,460.1773	0.4083		6,470.3836
Worker	2.9470	1.8216	24.0110	0.0637	5.9758	0.0415	6.0173	1.5948	0.0382	1.6330		6,345.6670	6,345.6670	0.1806		6,350.1822
Total	**3.5344**	**23.7129**	**28.1303**	**0.1250**	**7.3365**	**0.0790**	**7.4155**	**1.9906**	**0.0741**	**2.0647**		**12,805.8443**	**12,805.8443**	**0.5889**		**12,820.5658**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1546**	**1.0700e-003**	**0.1556**	**0.0413**	**9.9000e-004**	**0.0422**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5894	0.3643	4.8022	0.0128	1.2966	8.2900e-003	1.3049	0.3439	7.6400e-003	0.3515		1,269.1334	1,269.1334	0.0361		1,270.0364
Total	**0.5894**	**0.3643**	**4.8022**	**0.0128**	**1.2966**	**8.2900e-003**	**1.3049**	**0.3439**	**7.6400e-003**	**0.3515**		**1,269.1334**	**1,269.1334**	**0.0361**		**1,270.0364**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5894	0.3643	4.8022	0.0128	1.1952	8.2900e-003	1.2035	0.3190	7.6400e-003	0.3266		1,269.1334	1,269.1334	0.0361		1,270.0364
Total	**0.5894**	**0.3643**	**4.8022**	**0.0128**	**1.1952**	**8.2900e-003**	**1.2035**	**0.3190**	**7.6400e-003**	**0.3266**		**1,269.1334**	**1,269.1334**	**0.0361**		**1,270.0364**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8956	36.6964	54.9102	0.3123	17.3677	0.2967	17.6644	4.7371	0.2821	5.0192		33,410.8402	33,410.8402	1.4120		33,446.1407
Unmitigated	4.0762	40.1430	60.2254	0.3475	19.3893	0.3307	19.7200	5.2886	0.3144	5.6029		37,181.1852	37,181.1852	1.5619		37,220.2330

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,183.01	1,183.01	1183.01	8,631,226	7,731,294
Total	1,183.01	1,183.01	1,183.01	8,631,226	7,731,294

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.240542	0.037123	0.179649	0.119457	0.017229	0.008000	0.112000	0.280000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
NaturalGas Unmitigated	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	95.0685	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1845	11.1845	2.1000e-004	2.1000e-004	11.2510
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3724.12	0.0402	0.3651	0.3067	2.1900e-003		0.0278	0.0278		0.0278	0.0278		438.1313	438.1313	8.4000e-003	8.0300e-003	440.7349
Total		**0.0412**	**0.3744**	**0.3145**	**2.2500e-003**		**0.0285**	**0.0285**		**0.0285**	**0.0285**		**449.3158**	**449.3158**	**8.6100e-003**	**8.2400e-003**	**451.9858**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0665479	7.2000e-004	6.5200e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.8292	7.8292	1.5000e-004	1.4000e-004	7.8757
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.62339	0.0283	0.2572	0.2160	1.5400e-003		0.0196	0.0196		0.0196	0.0196		308.6343	308.6343	5.9200e-003	5.6600e-003	310.4684
Total		**0.0290**	**0.2637**	**0.2215**	**1.5800e-003**		**0.0201**	**0.0201**		**0.0201**	**0.0201**		**316.4635**	**316.4635**	**6.0700e-003**	**5.8000e-003**	**318.3441**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Unmitigated	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**15.4301**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**14.5470**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	7	8.00	260	89	0.20	Electrical

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**0.9053**	**8.2539**	**8.1749**	**0.0107**		**0.5859**	**0.5859**		**0.5390**	**0.5390**		**1,036.2158**	**1,036.2158**	**0.3351**		**1,044.5941**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive Grove Business Park, Mitigated 2014 trucks or newer

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.00	10,000.00	0
Unrefrigerated Warehouse-No Rail	669.61	1000sqft	15.37	669,607.00	0
Parking Lot	527.95	1000sqft	12.12	527,947.00	0
City Park	4.06	Acre	4.06	176,857.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - warehouse buildings= 425,148 sf + 243,593 sf + fire pump building 866 sf, office space = 10,000 sf, landscape shown as city park =176857sf, parking/drive aisles/off site improvements =527,947 sf

Construction Phase - anticipated construction schedule, construction duration of 10 months. Construction, Paving, and Painting to occur concurrently

Trips and VMT -

Grading - 229,748 cubic yards of export

Architectural Coating - Rule 1113 - low VOC paint

Vehicle Trips - based on traffic study: 1,183 trips/669.607k = 1.766707934654207617303881231827, trip length based on Forecasting Metropolitan Commercial and Freight Travel, average truck trip length in SCAG is 24.11 miles, rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Energy Use -

Construction Off-road Equipment Mitigation - Mitigation requires Tier 4 equipment during grading phase, Rule 403

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use Low VOC paint, Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - consistent with CA building code

Waste Mitigation -

Operational Off-Road Equipment - Assume 1 forklifts per building unit, total 7

Fleet Mix - fllet mix Based on Traffic Study trip generation table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Winter

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	NumDays	500.00	100.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	87.00
tblFleetMix	HHD	0.06	0.28
tblFleetMix	LDA	0.55	0.24

tblFleetMix	LHD2	5.2670e-003	8.0000e-003
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	MaterialExported	0.00	229,748.00
tblLandUse	LandUseSquareFeet	0.00	10,000.00
tblLandUse	LandUseSquareFeet	669,610.00	669,607.00
tblLandUse	LandUseSquareFeet	527,950.00	527,947.00
tblLandUse	LandUseSquareFeet	176,853.60	176,857.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.64
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.92	2.6330e-003
tblVehicleEF	HHD	6,983.95	1,244.43
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	6.11
tblVehicleEF	HHD	2.87	1.80
tblVehicleEF	HHD	20.20	2.44
tblVehicleEF	HHD	0.01	2.2010e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	2.1060e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	0.00
tblVehicleEF	HHD	3.4490e-003	2.0000e-006
tblVehicleEF	HHD	0.89	0.51
tblVehicleEF	HHD	5.7000e-005	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.4200e-004	4.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	0.00
tblVehicleEF	HHD	3.4490e-003	2.0000e-006
tblVehicleEF	HHD	1.02	6.62
tblVehicleEF	HHD	5.7000e-005	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.4200e-004	4.0000e-006
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	1.17	0.03

tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.54
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.80	2.4860e-003
tblVehicleEF	HHD	7,395.94	1,228.09
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	5.81
tblVehicleEF	HHD	2.70	1.70
tblVehicleEF	HHD	20.19	2.44
tblVehicleEF	HHD	0.01	1.9560e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	1.8710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	0.00
tblVehicleEF	HHD	3.9090e-003	3.0000e-006
tblVehicleEF	HHD	0.84	0.54
tblVehicleEF	HHD	1.2900e-004	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.4800e-004	4.0000e-006

tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
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tblVehicleEF	HHD	3.9090e-003	3.0000e-006
tblVehicleEF	HHD	0.97	7.01
tblVehicleEF	HHD	1.2900e-004	0.00
tblVehicleEF	HHD	0.13	0.10
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tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.78
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.89	2.6120e-003
tblVehicleEF	HHD	6,415.00	1,266.99
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	26.84	6.53
tblVehicleEF	HHD	2.83	1.78
tblVehicleEF	HHD	20.20	2.44
tblVehicleEF	HHD	0.02	2.5400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02

tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.02	2.4300e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	3.7830e-003	3.0000e-006
tblVehicleEF	HHD	0.96	0.47
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	0.09	0.02
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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	3.7830e-003	3.0000e-006
tblVehicleEF	HHD	1.10	6.07
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.5900e-004	5.0000e-006
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18

tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
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tblVehicleEF	LDA	59.28	54.72
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4100e-004
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39

tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
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tblVehicleEF	LDT1	0.18	0.15

tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30

tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003

tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003

tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
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tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003

tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
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tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
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tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003

tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
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tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004

tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004

tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004

tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.2380e-003
tblVehicleEF	LHD2	5.2410e-003	1.5890e-003
tblVehicleEF	LHD2	9.1660e-003	4.1550e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.29	0.48
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.08
tblVehicleEF	LHD2	0.12	0.10

tblVehicleEF	LHD2	1.69	0.07
tblVehicleEF	LHD2	0.56	0.13
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003
tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	1.4000e-003	2.3000e-004
tblVehicleEF	LHD2	0.04	3.9430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	1.2800e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02
tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7300e-004	7.0000e-005
tblVehicleEF	LHD2	1.4000e-003	2.3000e-004
tblVehicleEF	LHD2	0.04	3.9430e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	7.3800e-004	1.2800e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.14	0.02

tblVehicleEF	LHD2	3.8190e-003	3.2440e-003
tblVehicleEF	LHD2	5.3190e-003	1.6010e-003
tblVehicleEF	LHD2	8.7380e-003	3.9920e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.56	0.12
tblVehicleEF	LHD2	1.21	0.46
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.04
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	1.59	0.07
tblVehicleEF	LHD2	0.54	0.12
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003
tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	2.7070e-003	4.2800e-004
tblVehicleEF	LHD2	0.05	5.1950e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	2.7500e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02

tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7100e-004	7.0000e-005
tblVehicleEF	LHD2	2.7070e-003	4.2800e-004
tblVehicleEF	LHD2	0.05	5.1950e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	1.6130e-003	2.7500e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.13	0.02
tblVehicleEF	LHD2	3.8190e-003	3.2380e-003
tblVehicleEF	LHD2	5.2490e-003	1.5900e-003
tblVehicleEF	LHD2	9.0820e-003	4.1390e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.27	0.48
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.07
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	1.67	0.07
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003

tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	1.4600e-003	2.4600e-004
tblVehicleEF	LHD2	0.05	4.7640e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	1.3100e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02
tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7200e-004	7.0000e-005
tblVehicleEF	LHD2	1.4600e-003	2.4600e-004
tblVehicleEF	LHD2	0.05	4.7640e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	7.2300e-004	1.3100e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.13	0.02
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13

tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25

tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003

tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003

tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003

tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03

tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.08
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003

tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004

tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	2.3420e-003
tblVehicleEF	MHD	4.1450e-003	4.7400e-004
tblVehicleEF	MHD	0.06	4.4850e-003
tblVehicleEF	MHD	0.33	0.30
tblVehicleEF	MHD	0.31	0.07
tblVehicleEF	MHD	6.00	0.42
tblVehicleEF	MHD	155.10	60.32
tblVehicleEF	MHD	1,105.72	930.75
tblVehicleEF	MHD	53.92	5.00
tblVehicleEF	MHD	0.63	0.27

tblVehicleEF	MHD	1.08	0.79
tblVehicleEF	MHD	11.74	1.90
tblVehicleEF	MHD	4.3700e-004	6.7000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
tblVehicleEF	MHD	8.2200e-004	5.7000e-005
tblVehicleEF	MHD	4.1800e-004	6.4000e-005
tblVehicleEF	MHD	5.3330e-003	5.1790e-003
tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	1.4330e-003	6.8000e-005
tblVehicleEF	MHD	0.05	1.6160e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1400e-004	3.8000e-005
tblVehicleEF	MHD	0.04	6.4760e-003
tblVehicleEF	MHD	0.02	4.4700e-003
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.4910e-003	5.7200e-004
tblVehicleEF	MHD	0.01	8.8480e-003
tblVehicleEF	MHD	6.4400e-004	4.9000e-005
tblVehicleEF	MHD	1.4330e-003	6.8000e-005
tblVehicleEF	MHD	0.05	1.6160e-003
tblVehicleEF	MHD	0.03	0.27
tblVehicleEF	MHD	7.1400e-004	3.8000e-005
tblVehicleEF	MHD	0.05	7.5990e-003
tblVehicleEF	MHD	0.02	4.4700e-003
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	2.2390e-003
tblVehicleEF	MHD	4.2290e-003	4.8000e-004

tblVehicleEF	MHD	0.05	4.3130e-003
tblVehicleEF	MHD	0.24	0.27
tblVehicleEF	MHD	0.32	0.07
tblVehicleEF	MHD	5.61	0.40
tblVehicleEF	MHD	164.29	59.63
tblVehicleEF	MHD	1,105.72	930.75
tblVehicleEF	MHD	53.92	4.96
tblVehicleEF	MHD	0.65	0.26
tblVehicleEF	MHD	1.01	0.74
tblVehicleEF	MHD	11.70	1.89
tblVehicleEF	MHD	3.6900e-004	6.0000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
tblVehicleEF	MHD	8.2200e-004	5.7000e-005
tblVehicleEF	MHD	3.5300e-004	5.7000e-005
tblVehicleEF	MHD	5.3330e-003	5.1790e-003
tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.2800e-004
tblVehicleEF	MHD	0.05	2.1640e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.6690e-003	8.2000e-005
tblVehicleEF	MHD	0.04	6.4920e-003
tblVehicleEF	MHD	0.02	4.4120e-003
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	5.6500e-004
tblVehicleEF	MHD	0.01	8.8480e-003
tblVehicleEF	MHD	6.3800e-004	4.9000e-005
tblVehicleEF	MHD	2.8480e-003	1.2800e-004

tblVehicleEF	MHD	0.05	2.1640e-003
tblVehicleEF	MHD	0.03	0.26
tblVehicleEF	MHD	1.6690e-003	8.2000e-005
tblVehicleEF	MHD	0.05	7.6230e-003
tblVehicleEF	MHD	0.02	4.4120e-003
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	2.4960e-003
tblVehicleEF	MHD	4.1530e-003	4.7400e-004
tblVehicleEF	MHD	0.06	4.4490e-003
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tblVehicleEF	MHD	0.31	0.07
tblVehicleEF	MHD	5.90	0.42
tblVehicleEF	MHD	142.41	61.27
tblVehicleEF	MHD	1,105.72	930.75
tblVehicleEF	MHD	53.92	4.99
tblVehicleEF	MHD	0.60	0.29
tblVehicleEF	MHD	1.06	0.78
tblVehicleEF	MHD	11.73	1.90
tblVehicleEF	MHD	5.3200e-004	7.8000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
tblVehicleEF	MHD	8.2200e-004	5.7000e-005
tblVehicleEF	MHD	5.0900e-004	7.4000e-005
tblVehicleEF	MHD	5.3330e-003	5.1790e-003
tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	1.5800e-003	7.4000e-005
tblVehicleEF	MHD	0.05	1.9630e-003
tblVehicleEF	MHD	0.03	0.01

tblVehicleEF	MHD	7.0500e-004	3.9000e-005
tblVehicleEF	MHD	0.04	6.4760e-003
tblVehicleEF	MHD	0.02	4.9360e-003
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	5.8000e-004
tblVehicleEF	MHD	0.01	8.8480e-003
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tblVehicleEF	MHD	1.5800e-003	7.4000e-005
tblVehicleEF	MHD	0.05	1.9630e-003
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	7.0500e-004	3.9000e-005
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tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
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tblVehicleEF	OBUS	70.21	78.17
tblVehicleEF	OBUS	1,126.32	1,439.48
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tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003

tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.75	0.99

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tblVehicleEF	OBUS	73.34	78.62
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	20.47
tblVehicleEF	OBUS	0.33	0.46
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003

tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
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tblVehicleEF	OBUS	0.28	0.56
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tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
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tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
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tblVehicleEF	OBUS	0.05	0.30

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
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tblVehicleEF	SBUS	0.07	6.0110e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005

tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
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tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
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tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
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tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
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tblVehicleEF	SBUS	0.96	0.39

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tblVehicleEF	SBUS	0.68	0.28

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tblVehicleEF	SBUS	0.01	0.09
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tblVehicleEF	UBUS	1,861.83	1,692.28
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tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03

tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
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tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
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tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
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tblVehicleEF	UBUS	0.12	7.9950e-003
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tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.07	2.6530e-003
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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
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tblVehicleEF	UBUS	0.15	9.6930e-003
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tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38

tblVehicleEF	UBUS	13.74	0.14
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tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
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tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
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tblVehicleEF	UBUS	0.03	0.04
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tblVehicleTrips	CNW_TL	6.90	25.00
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tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.77

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.5747	119.5219	62.0069	0.3054	18.2675	2.1955	20.3132	9.9840	2.0275	11.8661	0.0000	31,845.0620	31,845.0620	3.4811	0.0000	31,932.0905
Maximum	**57.5747**	**119.5219**	**62.0069**	**0.3054**	**18.2675**	**2.1955**	**20.3132**	**9.9840**	**2.0275**	**11.8661**	**0.0000**	**31,845.0620**	**31,845.0620**	**3.4811**	**0.0000**	**31,932.0905**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	57.2659	92.3927	62.2217	0.3054	9.4436	1.5397	10.2259	4.5183	1.4459	4.5816	0.0000	31,845.0620	31,845.0620	3.4811	0.0000	31,932.0905
Maximum	**57.2659**	**92.3927**	**62.2217**	**0.3054**	**9.4436**	**1.5397**	**10.2259**	**4.5183**	**1.4459**	**4.5816**	**0.0000**	**31,845.0620**	**31,845.0620**	**3.4811**	**0.0000**	**31,932.0905**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.54**	**22.70**	**-0.35**	**0.00**	**48.30**	**29.87**	**49.66**	**54.74**	**28.68**	**61.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858
Mobile	3.8677	42.2340	53.7244	0.3397	19.3893	0.3311	19.7205	5.2886	0.3148	5.6033		36,385.6955	36,385.6955	1.5553		36,424.5770
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**20.2443**	**50.8634**	**62.3370**	**0.3526**	**19.3893**	**0.9459**	**20.3352**	**5.2886**	**0.8827**	**6.1712**		**37,871.4901**	**37,871.4901**	**1.8997**	**8.2400e-003**	**37,921.4374**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Energy	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
Mobile	3.6944	38.6284	49.1767	0.3053	17.3677	0.2972	17.6649	4.7371	0.2825	5.0196		32,701.4424	32,701.4424	1.4074		32,736.6267
Offroad	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**19.1757**	**47.1471**	**57.6963**	**0.3175**	**17.3677**	**0.9035**	**18.2712**	**4.7371**	**0.8420**	**5.5791**		**34,054.3847**	**34,054.3847**	**1.7493**	**5.8000e-003**	**34,099.8454**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.28**	**7.31**	**7.44**	**9.94**	**10.43**	**4.48**	**10.15**	**10.43**	**4.61**	**9.60**	**0.00**	**10.08**	**10.08**	**7.92**	**29.61**	**10.08**

3.0 Construction Detail

Construction Phase

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/29/2021	5	20	
2	Grading	Grading	1/30/2021	6/4/2021	5	90	
3	Building Construction	Building Construction	6/12/2021	10/29/2021	5	100	
4	Paving	Paving	7/1/2021	10/29/2021	5	87	
5	Architectural Coating	Architectural Coating	8/1/2021	10/29/2021	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 225

Acres of Paving: 12.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,019,411; Non-Residential Outdoor: 339,804; Striped Parking Area: 31,677 (Architectural Coating – sqft)

OffRoad Equipment

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	28,719.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	580.00	227.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.6967	12.1620	22.9600	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6967**	**12.1620**	**22.9600**	**0.0380**	**8.1298**	**0.0621**	**8.1919**	**4.4688**	**0.0621**	**4.5309**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.1855	1.2900e-003	0.1867	0.0495	1.1900e-003	0.0507		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.1855**	**1.2900e-003**	**0.1867**	**0.0495**	**1.1900e-003**	**0.0507**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9620	0.0000	8.9620	3.6402	0.0000	3.6402			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.9620**	**1.9853**	**10.9474**	**3.6402**	**1.8265**	**5.4667**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9818	73.0560	12.8743	0.2414	5.5843	0.2087	5.7930	1.5310	0.1997	1.7307		25,641.7190	25,641.7190	1.5329		25,680.0409
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1018	0.0661	0.6791	1.9700e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		196.2995	196.2995	5.4600e-003		196.4361
Total	**2.0836**	**73.1220**	**13.5534**	**0.2434**	**5.8078**	**0.2102**	**6.0180**	**1.5903**	**0.2010**	**1.7913**		**25,838.0185**	**25,838.0185**	**1.5383**		**25,876.4770**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0329	0.0000	4.0329	1.6381	0.0000	1.6381			0.0000			0.0000
Off-Road	1.0110	19.2707	36.7226	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**1.0110**	**19.2707**	**36.7226**	**0.0620**	**4.0329**	**0.1015**	**4.1345**	**1.6381**	**0.1015**	**1.7396**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9818	73.0560	12.8743	0.2414	5.2046	0.2087	5.4133	1.4378	0.1997	1.6375		25,641.7190	25,641.7190	1.5329		25,680.0409
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1018	0.0661	0.6791	1.9700e-003	0.2061	1.4300e-003	0.2075	0.0550	1.3200e-003	0.0563		196.2995	196.2995	5.4600e-003		196.4361
Total	**2.0836**	**73.1220**	**13.5534**	**0.2434**	**5.4107**	**0.2102**	**5.6208**	**1.4928**	**0.2010**	**1.6938**		**25,838.0185**	**25,838.0185**	**1.5383**		**25,876.4770**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6231	21.6583	4.8184	0.0589	1.4539	0.0386	1.4925	0.4186	0.0369	0.4555		6,209.2475	6,209.2475	0.4525		6,220.5601
Worker	2.9535	1.9159	19.6944	0.0571	6.4830	0.0415	6.5245	1.7193	0.0382	1.7575		5,692.6865	5,692.6865	0.1585		5,696.6479
Total	**3.5766**	**23.5742**	**24.5127**	**0.1160**	**7.9369**	**0.0801**	**8.0170**	**2.1380**	**0.0751**	**2.2130**		**11,901.9340**	**11,901.9340**	**0.6110**		**11,917.2080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5921	16.0114	16.7900	0.0269		0.6785	0.6785		0.6446	0.6446	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.5921**	**16.0114**	**16.7900**	**0.0269**		**0.6785**	**0.6785**		**0.6446**	**0.6446**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6231	21.6583	4.8184	0.0589	1.3607	0.0386	1.3993	0.3958	0.0369	0.4326		6,209.2475	6,209.2475	0.4525		6,220.5601
Worker	2.9535	1.9159	19.6944	0.0571	5.9758	0.0415	6.0173	1.5948	0.0382	1.6330		5,692.6865	5,692.6865	0.1585		5,696.6479
Total	**3.5766**	**23.5742**	**24.5127**	**0.1160**	**7.3365**	**0.0801**	**7.4165**	**1.9906**	**0.0751**	**2.0657**		**11,901.9340**	**11,901.9340**	**0.6110**		**11,917.2080**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6205**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1546**	**1.0700e-003**	**0.1556**	**0.0413**	**9.9000e-004**	**0.0422**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5907	0.3832	3.9389	0.0114	1.2966	8.2900e-003	1.3049	0.3439	7.6400e-003	0.3515		1,138.5373	1,138.5373	0.0317		1,139.3296
Total	**0.5907**	**0.3832**	**3.9389**	**0.0114**	**1.2966**	**8.2900e-003**	**1.3049**	**0.3439**	**7.6400e-003**	**0.3515**		**1,138.5373**	**1,138.5373**	**0.0317**		**1,139.3296**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.5907					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**49.8096**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5907	0.3832	3.9389	0.0114	1.1952	8.2900e-003	1.2035	0.3190	7.6400e-003	0.3266		1,138.5373	1,138.5373	0.0317		1,139.3296
Total	**0.5907**	**0.3832**	**3.9389**	**0.0114**	**1.1952**	**8.2900e-003**	**1.2035**	**0.3190**	**7.6400e-003**	**0.3266**		**1,138.5373**	**1,138.5373**	**0.0317**		**1,139.3296**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6944	38.6284	49.1767	0.3053	17.3677	0.2972	17.6649	4.7371	0.2825	5.0196		32,701.4424	32,701.4424	1.4074		32,736.6267
Unmitigated	3.8677	42.2340	53.7244	0.3397	19.3893	0.3311	19.7205	5.2886	0.3148	5.6033		36,385.6955	36,385.6955	1.5553		36,424.5770

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,183.01	1,183.01	1183.01	8,631,226	7,731,294
Total	1,183.01	1,183.01	1,183.01	8,631,226	7,731,294

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.240542	0.037123	0.179649	0.119457	0.017229	0.008000	0.112000	0.280000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.4635	316.4635	6.0700e-003	5.8000e-003	318.3441
NaturalGas Unmitigated	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3158	449.3158	8.6100e-003	8.2400e-003	451.9858

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	95.0685	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1845	11.1845	2.1000e-004	2.1000e-004	11.2510
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3724.12	0.0402	0.3651	0.3067	2.1900e-003		0.0278	0.0278		0.0278	0.0278		438.1313	438.1313	8.4000e-003	8.0300e-003	440.7349
Total		**0.0412**	**0.3744**	**0.3145**	**2.2500e-003**		**0.0285**	**0.0285**		**0.0285**	**0.0285**		**449.3158**	**449.3158**	**8.6100e-003**	**8.2400e-003**	**451.9858**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0665479	7.2000e-004	6.5200e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.8292	7.8292	1.5000e-004	1.4000e-004	7.8757
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.62339	0.0283	0.2572	0.2160	1.5400e-003		0.0196	0.0196		0.0196	0.0196		308.6343	308.6343	5.9200e-003	5.6600e-003	310.4684
Total		**0.0290**	**0.2637**	**0.2215**	**1.5800e-003**		**0.0201**	**0.0201**		**0.0201**	**0.0201**		**316.4635**	**316.4635**	**6.0700e-003**	**5.8000e-003**	**318.3441**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.5470	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Unmitigated	15.4301	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**15.4301**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6523					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0115	1.1300e-003	0.1232	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2630	0.2630	7.0000e-004		0.2804
Total	**14.5470**	**1.1300e-003**	**0.1232**	**1.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**		**0.2630**	**0.2630**	**7.0000e-004**		**0.2804**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	7	8.00	260	89	0.20	Electrical

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.9053	8.2539	8.1749	0.0107		0.5859	0.5859		0.5390	0.5390		1,036.2158	1,036.2158	0.3351		1,044.5941
Total	**0.9053**	**8.2539**	**8.1749**	**0.0107**		**0.5859**	**0.5859**		**0.5390**	**0.5390**		**1,036.2158**	**1,036.2158**	**0.3351**		**1,044.5941**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Health Risk Assessment
Olive Avenue Development
City of Rialto, California

Prepared by:

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September 2021

TABLE OF CONTENTS

1 INTRODUCTION
1.1 Project Location 1
1.2 Project Description 1

2 ENVIRONMENTAL SETTING
2.1 Climate 6
2.2 Meteorology 6
2.3 Toxic Air Contaminants 7
2.4 Sensitive Receptors 8

3 REGULATORY SETTING
3.1 Federal 10
3.2 State of California 11
3.3 Regional 12

4 SIGNIFICANCE CRITERIA AND METHODOLOGY
4.1 Health Risk Analysis Thresholds 14
4.2 Methodology 14

5 POTENTIAL HEALTH RISK IMPACTS
5.1 Construction Health Risk Analysis 20
5.2 Operational Health Risk Analysis 21

6 REFERENCES
References 23

TABLES
Table 1 Building Summary 2
Table 2 Sensitive Receptors 9
Table 3 Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates 17
Table 4 Construction Risk Assessment Results 21
Table 5 Operational Risk Assessment Results 25

EXHIBITS
Exhibit 1 Regional Location Map 3
Exhibit 2 Project Vicinity Map 4
Exhibit 3 Conceptual Site Plan 5

APPENDIX
Appendix A: Modeling Data

LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ACES	Advanced Collaborative Emissions Study
ASF	age sensitivity factor
AB	Assembly Bill
APN	Assessor's Parcel Number
APS	auxiliary power system
AT	averaging time
AQMP	Air Quality Management Plan
ATCM	Air Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CLSP	California Landings Specific Plan
CSMA	California Subdivision Map Act
CPF	cancer potency factor
C_{air}	air concentration from model
C_i	air concentration of substance
DBR	daily breathing rate
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	does through inhalation
du/ac	dwelling units per acre
EMFAC	Emissions Factor Model
ED	exposure duration
EF	exposure frequency
°F	Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GSP	gross state product
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HOA	homeowner's association
HQ	health quotient
HRA	health risk assessment
kg	kilograms
L	liter
MATES	Multiple Air Toxics Exposure Study
MICR	Maximum Individual Cancer Risk
mg	milligrams
$\mu g/m^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset

LIST OF ABBREVIATED TERMS (CONTINUED)

NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone
OEHHA	Office Environmental Health Hazard Assessment
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
REL_i	Reference Exposure Level of substance
$Risk_{inh\text{-}res}$	residential inhalation cancer risk
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
EPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOC	volatile organic compound

1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) resulting from the implementation of the proposed Olive Avenue Development ("Project" or "proposed Project"). This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. Technical data is included as see Appendix A: Modeling Data.

1.1 Project Location

The Project site is located north of Baseline Road and east of Fitzgerald Avenue in the City of Rialto, in San Bernardino County. The project site is located southeast of Rialto Municipal Airport and south of Jerry Eaves Park. The project site is currently vacant and is bounded by Jerry Eaves Public Park to the north, vacant land and single-family residential uses to the east, West Baseline Road and single-family residential uses to the south, and vacant land and industrial uses to the west. The 31.6-acre site is located approximately one-mile south the Foothill Freeway (SR-210), Seven miles east of Interstate 15 (I-15), One mile north of Route 66 (RTE-66), and Five miles west of San Bernardino Freeway (SR-215); refer to Exhibit 1: Regional Location Map and Exhibit 2: Project Vicinity Map

1.2 Project Description

The Project is proposing to develop an existing vacant property (location as referenced above) that would include the construction of a campus oriented industrial project with two primary, divisible, buildings consisting of approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,741 square feet of warehouse space for a total of 679,607 square feet on approximately 31.08 net acres. The Owner is proposing to split the existing property (referenced as Assessor Parcel No. (APN) 0264-213-18) from one large lot into two lots to allow for each of the two proposed buildings to each have their own legal parcel.

As shown in Exhibit 3: Conceptual Site Plan, Building 1 (west building) and Building 2 (east building) have been architecturally designed to allow for multiple units in various increments based on tenant demand. Exhibit 3 shows that Building 1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings.

Existing General Plan Land Use and Zoning Designations

The Project site is zoned for Industrial Park land Use. Adjacent properties to the north are zoned for open space resources and open space recreation uses. Properties to the west are zoned for a specific site plan: Renaissance site. The properties to the south are zoned for residential and open space resources. Properties zoned for residential and Community commercial are due east of the Project site.

Warehouse Facility

The proposed Project consists of two warehouse buildings for a total of 679,390 square feet; refer to Table 1: Building Summary. Building "1" would include 425,148 square feet of warehouse area, 5,000 square

feet of office space, and 433 feet designated for a fire pump. Building "2" would include 243,376 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump.

Table 1: Building Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump (sf)	Total Building (sf)	Parking			Landscaping (sf)
					Automobiles	Truck/Trailer Stalls	Loading Docks	
1	425,148	5,000	433	430,581	308	64	48	97,826
2	243,593	5,000	433	249,026	197	58	31	79,031

Notes: sf = square feet

Site Access

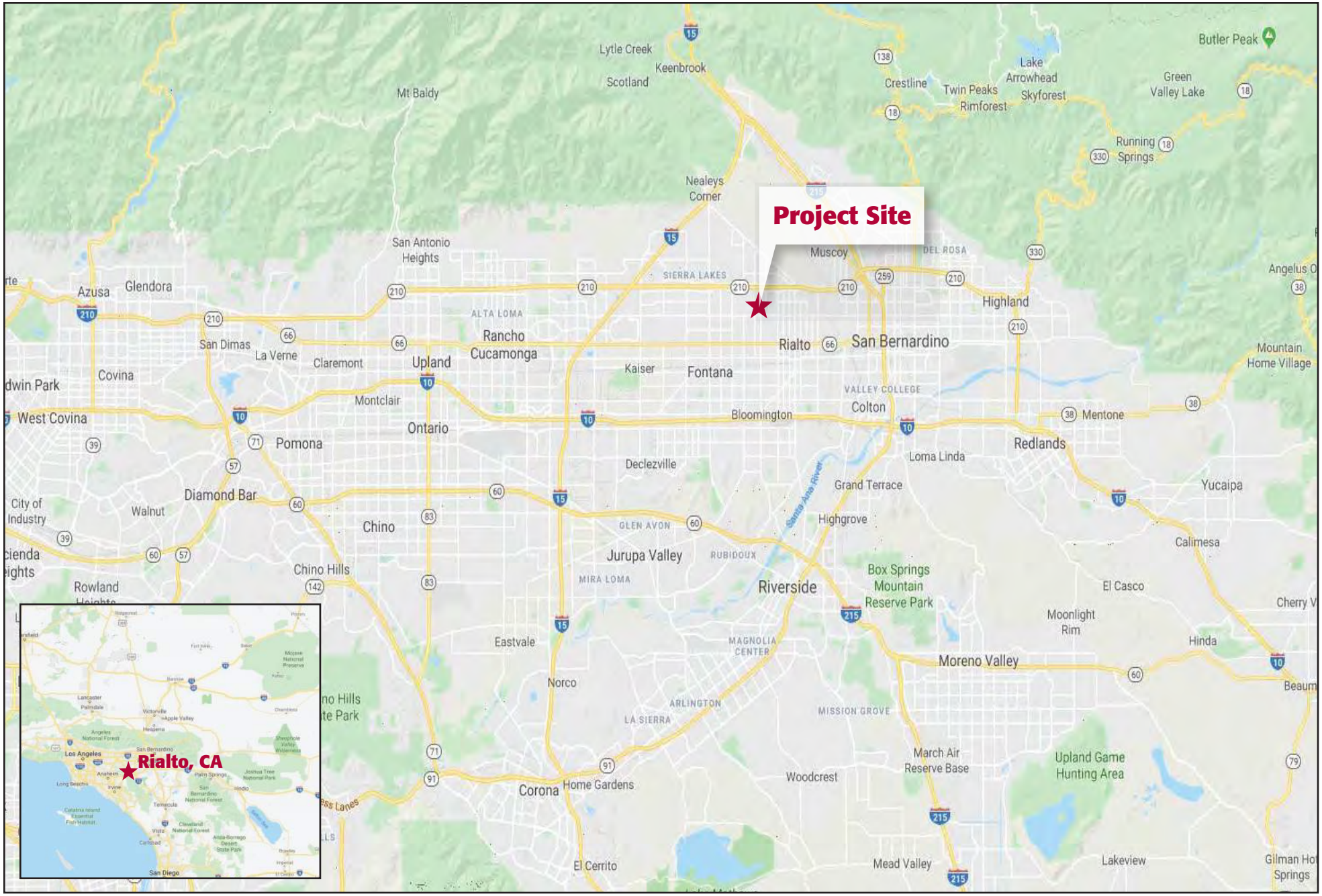
Vehicular access provisions for the project site would consist of three driveways on Baseline Road. Passenger vehicles would access the site via all three driveways. The center driveway would be signalized and would provide truck and passenger vehicle ingress/egress to the site. The eastern and western driveways would be right-in right-out and would be dedicated to passenger and emergency vehicles. Street improvements to Baseline Road may consist of the following: sidewalk, parkway landscaping, curb and gutter, median improvements, bike lanes, dry utility undergrounding, streetlights, fire hydrants, traffic signal equipment (center driveway intersection), rehabilitation of existing asphalt pavement, offsite utility connections, and signing and striping, as required by the City. Off-site improvements would include construction of a new signalized intersection at Idyllwild Avenue and Baseline Road to provide signalized access to the residences south of Baseline Road and construction of a new signalized intersection at the center of the Project along Baseline Road to allow for direct truck access into and out of the Project.

Parking

The Project provides 505 automobile parking stalls, exceeding the requirement of 414 automobile parking stalls. Additionally, 122 trailer parking spaces and 79 loading docks are provided.

Landscaping

Landscaping is required by City code to cover 10% of each lot and based on the proposed Project would cover approximately 12.27% (97,826 square feet) on Parcel 1 and 14.17% (79,031 square feet) on Parcel 2 of the site. Landscaping would be installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 18.61.250 and Section 18.61.270 which specify landscape design guidelines for industrial districts.



Source: Google Maps, 2019

Exhibit 1: Regional Location Map
Olive Avenue Development
Rialto, CA

Not to scale

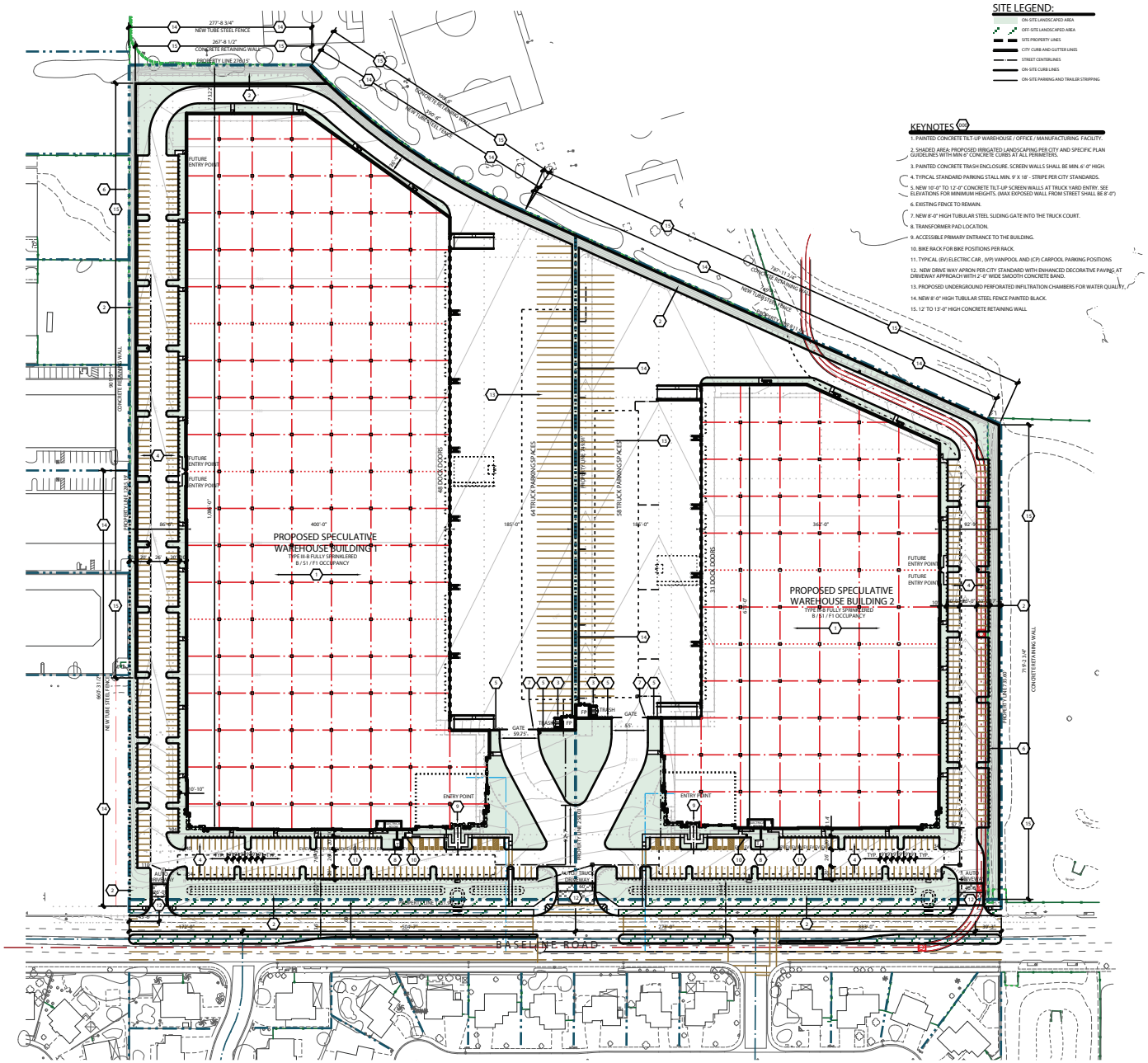
Kimley»Horn

Source: Google Earth, 2019

Exhibit 2 : Project Vicinity Map
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn



Source: RGA, Office of Architectural Design, Inc.

Exhibit 3 : Conceptual Site Plan
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn

2 ENVIRONMENTAL SETTING

2.1 Climate

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the South Coast Air Basin (SCAB) is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the SCAB. These factors along with applicable regulations are discussed below.

The average annual temperature varies little throughout the SCAB, averaging 75 degrees Fahrenheit (°F). However, with a less-pronounced oceanic influence, the eastern inland portions of the SCAB show greater variability in annual minimum and maximum temperatures. All portions of the SCAB have had recorded temperatures over 100°F in recent years.

2.2 Meteorology

Although the SCAB has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature. Annual average relative humidity is 70 percent at the coast and 57 percent in the eastern part of the SCAB. Precipitation in the SCAB is typically nine to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the coastal areas of the SCAB.

A temperature inversion is defined as an increase in temperature with height, or to the layer within which such an increase occurs. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above sea level, the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet, the terrain prevents the pollutants from entering the upper atmosphere, resulting in a settlement in the foothill communities. Below 1,200 feet, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire SCAB. Usually, inversions are lower before sunrise than during the day. Mixing heights for inversions are lower in the summer and more persistent, being partly responsible for the high levels of ozone (O_3) observed during summer months in the SCAB. Smog in southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods of time, allowing them to form secondary pollutants by reacting with sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds.

The area in which the Project is located offers clear skies and sunshine, yet is still susceptible to air inversions. These inversions trap a layer of stagnant air near the ground, where it is then further loaded

with pollutants. These inversions cause haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources.

2.3 Toxic Air Contaminants

Toxic Air Contaminants (TACs) are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e. cancer causing) adverse human health effects (i.e. injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of the act must prepare and submit toxic emission inventory plans and reports, and periodically update those reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Sources of air toxics go beyond industry, however. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene. In California, on-road diesel-fueled engines contribute approximately 24 percent of the statewide total, with an additional 71 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute about 5 percent of total DPM. It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment can register their units in order to operate their equipment throughout California without having to obtain individual permits from local air districts.

Diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB

estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of 1 million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

2.4 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive land uses surrounding the Project consist of single-family residential communities. The nearest sensitive land uses nearest to the Project are shown in Table 2: Sensitive Receptors.

Table 2: Sensitive Receptors	
Receptor Description	**Distance and Direction from the Project**
Single-Family Residential Community	90 feet to the south
Single-Family Residential Community	800 feet to the east
Jerry Eaves Park	870 feet to the north
Single-Family Residential Community	1,600 feet to the north
Winchester Senior Home II	1,500 feet to the northeast
La Petite Academy of Rialto	1,900 feet to the east
Helen L. Dollahan Elementary School	2,100 feet to the south
Flores Park	2,400 feet to the South
Camino Nuevo Church	2,500 feet to the southeast
Eisenhower Senior High School	3,000 feet to the east
Dunn Elementary School	4,000 feet to the southeast
Source: Google Earth	

3 REGULATORY SETTING

3.1 Federal

Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

Section 112 of the FCAA Amendments governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.[1] The PM emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007. Also,

[1] United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

the NO_X and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010.

3.2 State of California

California Air Resources Board

CARB's statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.
CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (DRRP) in October 2000. The DRRP's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline.[2] CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing statewide cancer risk and non-cancer health effects.[3] The DRRP includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce particulate matter (PM) and oxides of nitrogen (NO_X) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks were required to be retrofitted with PM filters beginning January 1, 2012, and older trucks were required to be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses would need to have 2010 model year engines or equivalent.

[2] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.
[3] California Air Resources Board, *Overview: Diesel Exhaust & Health*, available at: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health, accessed February 17, 2020.

The regulation applies to most privately and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

Heavy-Duty Vehicle Idling Emission Reduction Program

The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to diesel particulate matter and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles. The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, would require that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

3.3 Regional

South Coast Air Quality Management District

The CCAA provides the SCAQMD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions.

Air Toxics Control Plan

The Air Toxics Control Plan (March 2000, revised March 26, 2004) is a planning document designed to examine the overall direction of the SCAQMD's air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the SCAQMD's jurisdiction will each be brought to the SCAQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

Multiple Air Toxics Exposure Study

The SCAQMD conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. The Multiple Air Toxics Exposure Study in the SCAB (MATES IV) shows that cancer risk has decreased more than 50 percent between MATES III (2008) and MATES IV (2015).

MATES IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the SCAB emissions. Therefore, MATES IV study represents the baseline health risk for a cumulative analysis. MATES IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are near the Project site. However, MATES IV has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. MATES IV modeling predicted an excess cancer risk of 427 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68 percent of the total risk shown in MATES IV. The SCAQMD is currently preparing MATES V, which will be the latest comprehensive study of levels of toxic air pollutants the region, MATES V will include an advanced monitoring component with a focus on refinery emissions.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Health Risk Analysis Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether the impacts from the Project are significant. If the lead agency finds that the Project has the potential to exceed the air pollution thresholds, the Project should be considered significant. The thresholds for air toxic emissions are as follows:

- **Cancer Risk:** Emit contaminants that exceed the maximum individual cancer risk of 10 in one million.
- **Non-Cancer Risk:** Emit contaminants that exceed the maximum hazard quotient of 1 in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a "hazard index," (HI) expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

4.2 Methodology

This HRA evaluates potential health risks associated with the emission of diesel particulate matter resulting from the implementation of the proposed Project. Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known TAC. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Operational activities would also include the use of heavy-duty diesel trucks.

Construction Sources

Construction would generate DPM emissions from the use of off-road diesel equipment required for demolition, grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment were included in the analysis, although they are typically less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site potentially poses a health risk to nearby sensitive receptors. The closest sensitive receptors to the Project site are residences approximately 90 feet to the south and 800 feet east, and Jerry Eaves Park approximately 870 feet to the north.

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the Project site. Construction activities would limit idling to no more than five minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense period of construction, emissions of DPM would be generated from different locations on the Project Site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emissions rates for PM_{10} (DPM) were calculated from the CalEEMod construction emissions modeling conducted for the project Air Quality Assessment. Construction emissions represented in the model via line volume sources occurring throughout the site. The locations of the AERMOD modeled sources and receptors are graphically shown in Appendix A.

Operational Sources

The Project is located near existing residential uses. Due to the increased truck traffic from the Project, the resulting emissions could result in pollutant concentrations at existing sensitive receptors. Average daily trips from truck traffic to the Project were determined using standard Institute of Transportation Engineers (ITE) trip generation rates for warehousing and the Traffic Impact Study. Idling emissions were represented in the model via line volume sources along each loading dock and 15 minutes of idling[4] for each truck was assumed. Truck travel emissions were represented in the model via line volume sources along local roads and inside the facility where the trucks are expected to travel. Trucking routes were determined per the Traffic Impact Study conducted for the proposed Project. For modeling purposes, the Project is assumed to operate 24 hours per day. An emission rate for PM_{10} (DPM) was calculated using trip data and a CARB 2017 EMission FACtor model (EMFAC)[5] model run for San Bernardino County; refer to Appendix A. The emissions rate was calculated using 2022 emissions factors since project construction would be completed in late-2021. This approach is conservative as it assumes no cleaner technology in future years.

[4] An idling time of 15 minutes per truck has been used per SCAQMD recommendations. Although the Project is required to comply with CARB's idling limit of 5 minutes, the SCAQMD recommends the on-site idling emissions should be estimated for 15 minutes of truck idling, which would take into account on-site idling that occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

[5] California Air Resources Board, *EMFAC 2017 Web Database,* www.arb.ca.gov/emfac/2017/, March 2019.

Dispersion Modeling

The construction and operational air dispersion modeling for the HRA was performed using the EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data is provided by the SCAQMD. Surface and upper air meteorological data from the Fontana Monitoring Station was selected as being the most representative for meteorology based on proximity to the Project site.

The emission sources in the model are line volume sources (comprised of smaller adjacent volume sources) for construction and operations. The locations of the AERMOD modeled sources and receptors are graphically shown in Appendix A. Construction line volume sources were assigned a release height of 12 feet (3.66 meters). Operational sources include the loading dock idling areas (15 minutes for each truck), on-site truck circulation, and off-site truck routes. Heavy duty operational vehicle emissions were assigned a release height of 12 feet (3.66 meters) and a plume height of 20.4 feet (6.22 meters). A release height of 12 feet is the average stack height for trucks and the plume height is based on EPA guidance for vehicle volume sources.

AERMOD was run to obtain the peak 1-hour and annual average concentration in micrograms per cubic meter ($\mu g/m^3$) of PM_{10} at the nearby sensitive receptors. According to the SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximum Individual Cancer Risk (MICR), the maximum chronic HI, the zones of impact, and excess cancer burden, as well as peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a receptor grid was placed over the Project site to cover the zone of impact. According to the SCAQMD, in order "to identify the maximum impacted receptors (i.e. peak cancer risk and peak hazard indices) a grid spacing of 100 meters or less must be used" (see page 16 of SCAQMD's Supplemental Guidelines). Due to the size of the Project site, receptors were modeled with a 50-meter grid spacing. AERMOD regulatory defaults, the "Urban" modeling option for the County, and "Elevated" terrain were used for this analysis. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project. The modeling and analysis was prepared in accordance with the SCAQMD Modeling Guidance for AERMOD.[6]

Note that the concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at the Project site any one point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and type of vehicles and equipment operating at specific distances during time periods of adverse meteorology. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. The chronic and carcinogenic

[6] South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed February 17, 2020.

health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual. Only the risk associated with the worst-case location of the Project was assessed.

Risk and Hazard Assessment

Cancer Risk

Based on the OEHHA methodology, residential inhalation cancer risk from annual average DPM and benzene concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time, yielding the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation along nearby roadways. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{air} * (BR/BW) * A * EF * 10^{-6}$$

Dose-air =	dose through inhalation (mg/kg/day)
C_{air} =	air concentration (µg/m^3) from air dispersion model
(DBR/BW) =	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A =	inhalation absorption factor (unitless)
EF =	exposure frequency (approximately 350 days per year for residential)
10^{-6} =	conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. In the absence of chemical-specific data, OEHHA recommends a default ASFs presented in Table 3: Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the FAH values presented in Table 3.

Table 3: Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates

Age	Default Age Sensitivity Factor[1] (ASF)	Fraction of Time at Home (FAH)	Daily Breathing Rate (L/kg BW-day[2])
Third trimester	10	100%	361
0 to 2 years	10	100%	1,090
Ages 2 through 15 years	3	100%	745
Ages 16 and greater	1	73%	335

[1] Accounts for potential increased sensitivity to carcinogens during childhood.

[2] 95th percentile daily breathing rate normalized to body weight (L/kg body weight - day)

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015 and South Coast Air Quality Management District, Permit Application Package "N" Risk Assessment Procedures for Rules 1401, 1401.1, and 212 Version 8.1.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$Risk_{inh\text{-}res} = (Dose_{air}*CPF*ASF*(ED/AT)*FAH)$$

$Risk_{inh\text{-}res}$ =	residential inhalation cancer risk (potential chances per million)
$Dose_{air}$ =	daily dose through inhalation (mg/kg-day)
CPF =	inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
ASF =	age sensitivity factor for a specified age group (unitless)
ED =	exposure duration (years)
AT =	averaging time of lifetime cancer risk (years)
FAH =	fraction of time spent at home (unitless)

Chronic Non-Cancer Hazard

Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Quotient} = C_i/REL_i$$

C_i =	concentration in the air of substance i (annual average concentration in $\mu g/m^3$)
REL_i =	chronic noncancer Reference Exposure Level for substance ($\mu g/m^3$)

Acute Non-Cancer Hazard

The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

Acute HQ = Maximum Hourly Air Concentration ($\mu g/m^3$) / Acute REL ($\mu g/m^3$)

Health Risk Computation

A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 30-year exposure scenario using CARB's Risk Assessment Stand Alone Tool (RAST). Health risk were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer health risk to an individual as well as the non-cancer chronic health index.

The off-site impacts would occur from the diesel trucks accessing the proposed Project. The cancer and chronic health risks are based on the annual average concentration of PM_{10} (used as a proxy for DPM). As DPM does not have short-term toxicity values, acute risks were conservatively evaluated using hourly

PM_{10} concentrations and the REL for acrolein. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual (2015).

5 POTENTIAL HEALTH RISK IMPACTS

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. The gas phase is composed of many of the urban TACs, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size or composition. The sizes of diesel particulates of greatest health concern are fine and ultrafine particles. These particles may be composed of elemental carbon with adsorbed compounds such as organics, sulfates, nitrates, metals, and other trace elements. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. As the Project is proposed near existing residences, an analysis of DPM was performed using the EPA-approved AERMOD model.

5.1 Construction Health Risk Analysis

The duration of construction activities for the Project is estimated to take approximately 9-10 months. Construction-related activities would result in Project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Sensitive receptors near the Project site include residential uses approximately 90 feet to the south and 800 feet east, and Jerry Eaves Park approximately 870 feet to the north.

PM_{10} construction emissions rates in grams per second were calculated from the total annual mitigated on-site exhaust emissions reported in CalEEMod (a maximum of 0.07 tons per year mitigated)[7] total during construction. It should be noted that although construction would span over several years, the modeling conservatively uses the year with the highest emission for each phase and an exposure duration of 10 months. Annual emissions were converted to grams per second and these emissions rates were input into AERMOD. Construction emissions represented in the model via line volume sources occurring throughout the site. The locations of the AERMOD modeled sources and receptors are graphically shown in Appendix A.

As noted above, maximum (worst case) PM_{10} exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. Risk levels were calculated based on the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, Air Toxics Hot Spots Program Risk Assessment Guidelines (February 2015). Results of this assessment are summarized in Table 4: Construction Risk Assessment Results.

[7] The modeled on- and off-site emissions include implementation of Mitigation Measure AQ-1 from the *Olive Avenue Air Quality Assessment* (Kimley-Horn, January 2021) requiring Tier 4 Interim or Tier 4 Final compliant construction equipment during the grading phase of construction.

Table 4: Construction Risk Assessment Results				
Exposure Scenario	**Pollutant Concentration (µg/m³)[1]**	**Maximum Cancer Risk (Risk per Million)**	**Chronic Noncancer Hazard**	**Acute Noncancer Hazard**
Construction	0.013	2.05	0.003	0.018
Threshold	*N/A*	*10*	*1.0*	*1.0*
Threshold Exceeded	**No**	**No**	**No**	**No**

Notes:
1. The modeled concentrations include implementation of Mitigation Measure AQ-1 from the *Olive Avenue Air Quality Assessment* (Kimley-Horn, January 2021) requiring Tier 4 Interim or Tier 4 Final compliant construction equipment during the grading phase of construction.

Source: Refer to Appendix A: Modeling Data.

Results of this assessment indicate that the maximum concentration of PM_{10} during construction would be 0.013 µg/m^3 and resultant cancer risk of 2.05 in one million, which would not exceed the SCAQMD threshold of 10 in one million. Non-cancer hazards for DPM would be below SCAQMD threshold of 1.0, with a chronic hazard index computed at 0.003 and an acute hazard index of 0.018. Therefore, construction risk levels would be less than SCAQMD thresholds.

5.2 Operational Health Risk Analysis

Carcinogenic Risk

Vehicle DPM emissions were estimated using emission factors for course particulate matter less than 10 microns in diameter (PM_{10}) generated with the EMFAC developed by CARB. EMFAC is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. EMFAC, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC for vehicles in the SCAQMD within the South Coast portion of San Bernardino County. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed, temperature, and relative humidity. The model was run for heavy-duty diesel vehicles traveling along Alder Avenue and Baseline Avenue, as well as circulating the Project site and idling at proposed loading docks.

Based on the AERMOD outputs, the highest unmitigated hourly average diesel PM_{10} emission concentrations from diesel truck traffic near sensitive receptors would be 0.103 µg/m^3. The highest unmitigated annual average diesel PM_{10} emission concentrations near sensitive receptors would be 0.032 µg/m^3. The calculations conservatively assume no cleaner technology with lower emissions in future years. As shown in Table 5: Operational Risk Assessment Results, the unmitigated calculated carcinogenic risk resulting from the Project is 27.3 per million residents, which would exceed the SCAQMD threshold of 10 in one million residents. As such, mitigation is required.

Table 5: Operational Risk Assessment Results			
Exposure Scenario	**Maximum Cancer Risk (Risk per Million)[1, 2]**	**Significance Threshold (Risk per Million)**	**Exceeds Significance Threshold?**
Unmitigated - Residents	27.3	10	Yes
Mitigated – Residents[3]	2.03	10	No

1. Refer to Appendix A.
2. The maximum cancer risk would be experienced at the residences to the south of the Project site along Baseline Avenue based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.

Mitigation Measure AQ-5 from the *Olive Avenue Air Quality Assessment* (Kimley-Horn, January 2021) was incorporated into the mitigated scenario shown in Table 5. Mitigation Measure AQ-5 requires through sale or leasing agreements, that the haul fleet of trucks accessing the Project site to meet emissions standards of a 2014 vehicle model (or later), and as trucks are replaced, they are replaced with the newest available model. As shown in Table 5, the maximum cancer risk at the nearest sensitive receptors would be 2.03 per million residents with implementation of Mitigation Measure AQ-5, which is below SCAQMD's threshold of 10 in one million residents. Therefore, the Project would result in a less than significant health risk impact following compliance with Mitigation Measure AQ-5.

Non-Carcinogenic Hazards

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. The highest maximum chronic and acute hazard index associated with both DPM and acrolein emissions from the Project would be 0.006 and 0.040 (unmitigated), respectively. Therefore, non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

Conclusion

As described above, impacts related to cancer risk would be less than significant with implementation of Mitigation Measures AQ-5. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to health risk impacts, consistent with the SCAQMD guidance and methodology. The SCAQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SCAQMD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant.[8] Therefore, impacts related to health risk from the Project would be less than significant.

[8] South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

Mitigation Measures:

AQ-5 **Operational Haul Truck Requirement.** The Project Operator(s) shall ensure, through sale or leasing agreements, that the haul fleet consist of trucks that at a minimum meet the emissions standards of a 2014 vehicle model, and as trucks are replaced, they are replaced with the newest available model.

MITIGATION MEASURE OBTAINED FROM THE OLIVE AVENUE AIR QUALITY ASSESSMENT (KIMLEY-HORN, July 2021).

Level of Significance: Less than significant impact with mitigation incorporated.

6 REFERENCES

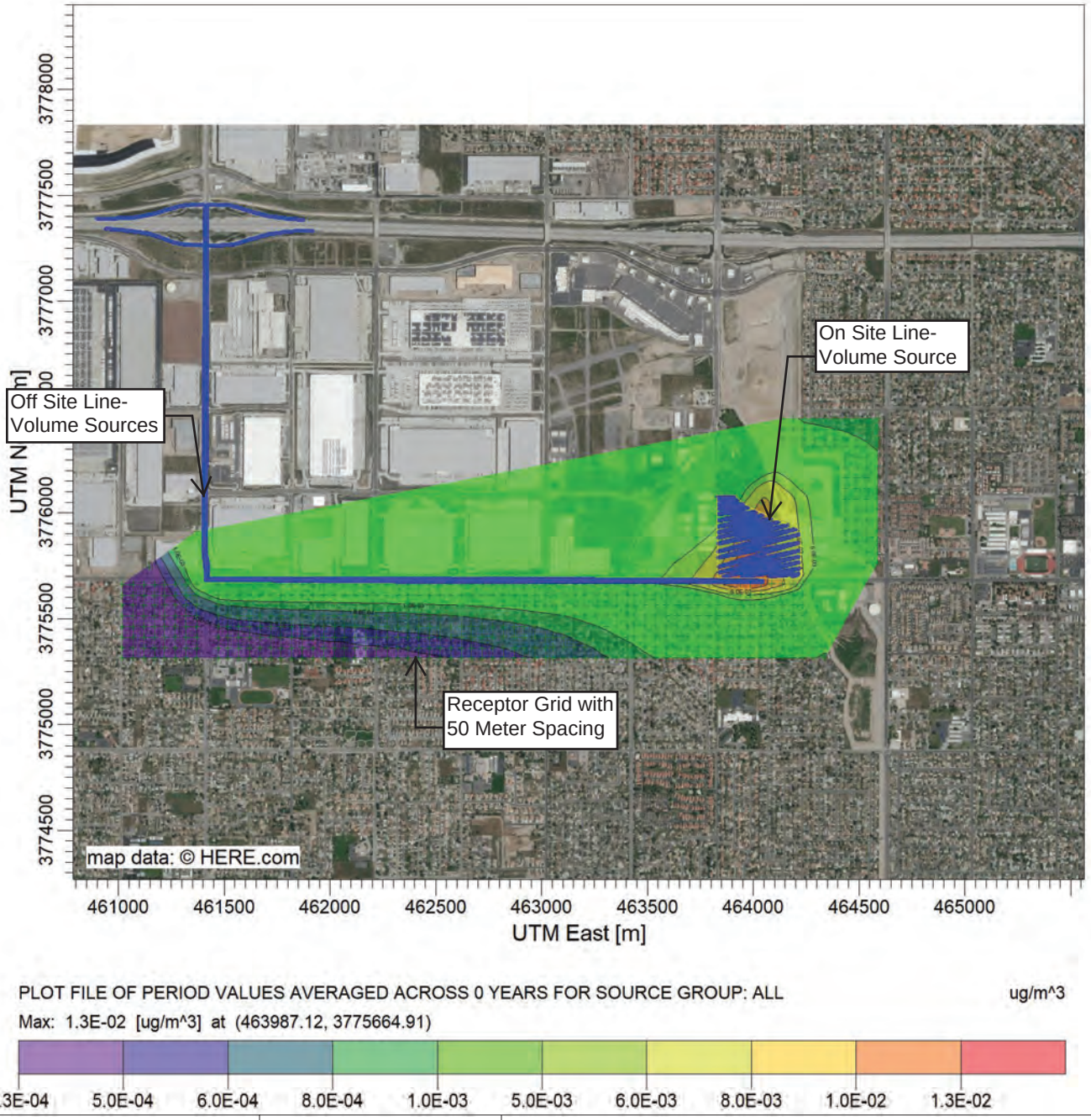
1. California Air Pollution Control Officers Association, *Health Risk Assessment for Proposed Land Use Projects*, July 2009.
2. California Air Resources Board, *EMFAC 2017 Web Database*, www.arb.ca.gov/emfac/2017/, accessed February 17, 2020.
3. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.
4. California Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, August 2003.
5. California Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments*, February 2015.
6. Health Effects Institute, *Advanced Collaborative Emissions Study (ACES): Lifetime Cancer and Non-Cancer Assessment in Rats Exposed to New-Technology Diesel Exhaust*, January 2015.
7. Kimley-Horn, *Olive Avenue Air Quality Assessment*, January 2021.
8. Kimley-Horn, *Olive Grove Business Park Project Traffic Impact Study*, January 2021.
9. Lakes Environmental, *AERMOD View Gaussian Plume Air Dispersion Model*, Version 9.8.3.
10. Ralph Propper, et al., *Ambient and Emission Trends of Toxic Air Contaminants in California*, Environmental Science and Technology, September 2015.
11. RGA Office of Architectural Design, *Olive Avenue Development Site Plan*, January 21, 2020.
12. South Coast Air Quality Management District, *Air Toxics Control Plan for the Next Ten Years*, March 2000.
13. South Coast Air Quality Management District, Addendum to the *Air Toxics Control Plan*, March 2004.
14. South Coast Air Quality Management District, *SCAQMD Meteorological Data for AERMOD,* www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/aermod-table-1, accessed February 17, 2020.
15. South Coast Air Quality Management District, *Multiple Air Toxics Exposure Study (MATES IV)*, May 1, 2015.
16. South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance, accessed February 17, 2020.
17. South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.
18. United States Environmental Protection Agency, *Exposure Factors Handbook: 2011 Edition*, September 2011.
19. United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

Appendix A

Modeling Data

PROJECT TITLE:

Olive Ave Construction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL ug/m^3

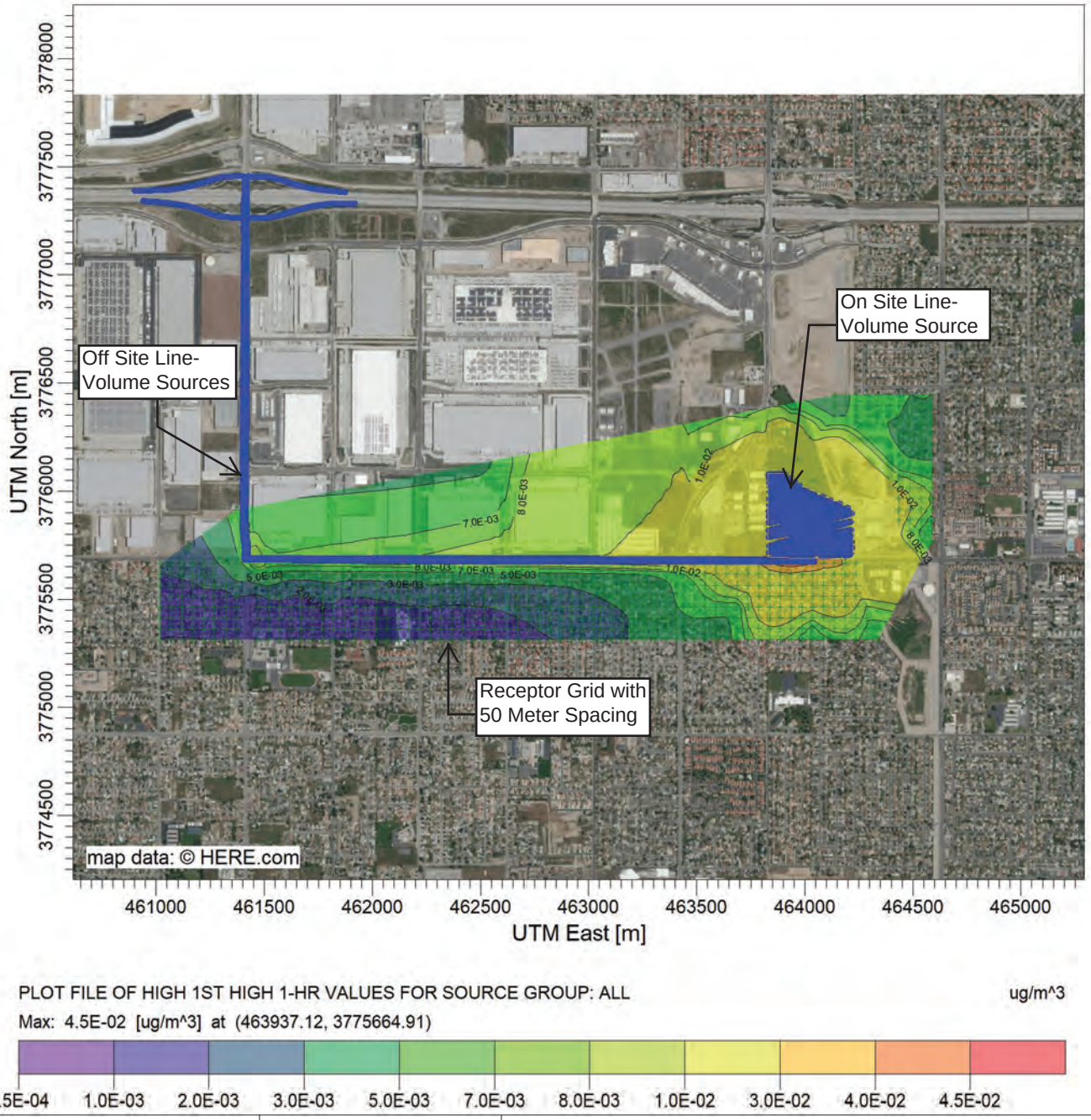
Max: 1.3E-02 [ug/m^3] at (463987.12, 3775664.91)

2.3E-04 5.0E-04 6.0E-04 8.0E-04 1.0E-03 5.0E-03 6.0E-03 8.0E-03 1.0E-02 1.3E-02

COMMENTS:	SOURCES: **11**	COMPANY NAME:	
	RECEPTORS: **610**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:30,049 0 1 km	
	MAX: **1.3E-02 ug/m^3**	DATE: **9/10/2021**	PROJECT NO.:

PROJECT TITLE:

Olive Ave Construction



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL ug/m^3

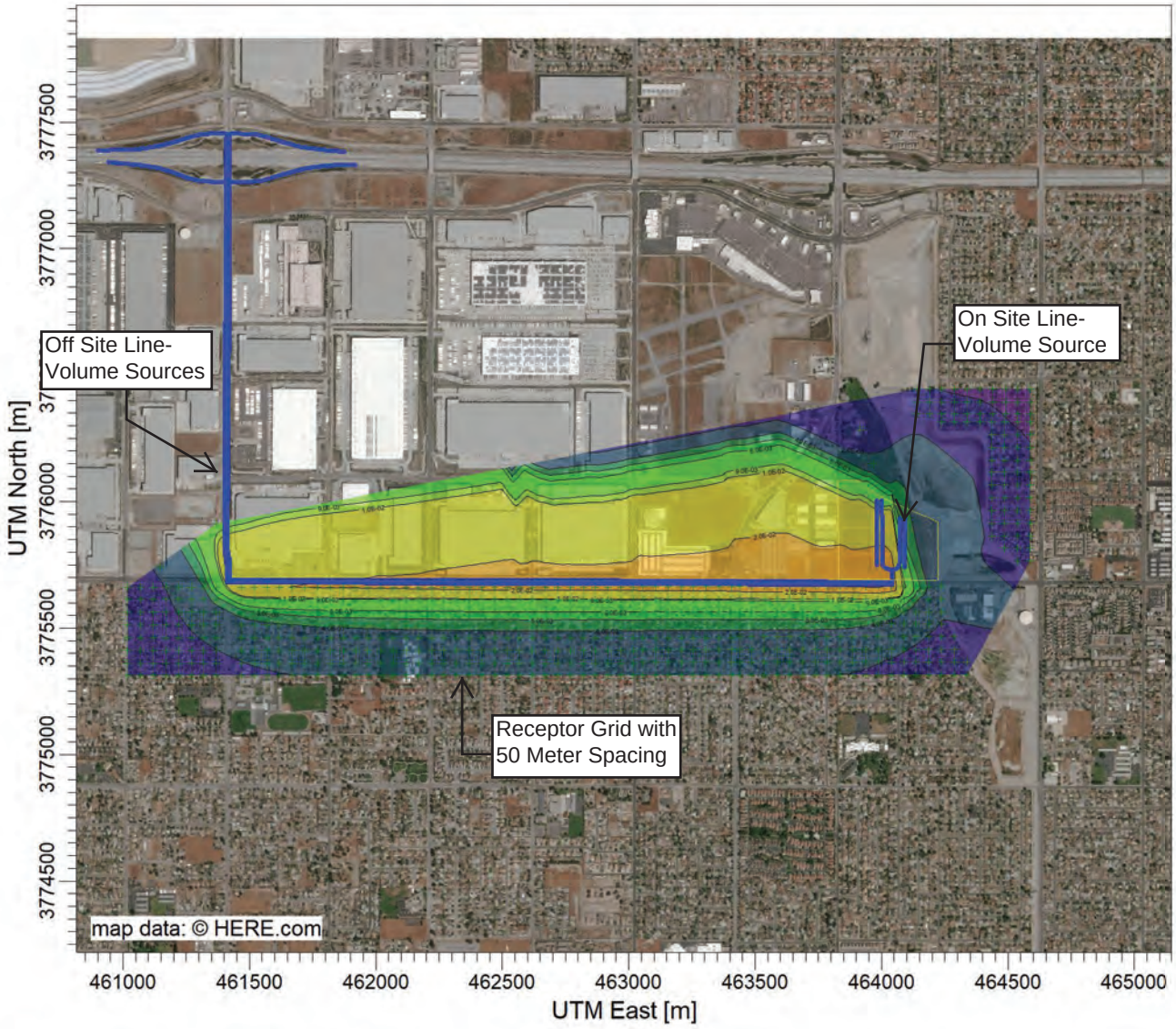
Max: 4.5E-02 [ug/m^3] at (463937.12, 3775664.91)

9.5E-04 1.0E-03 2.0E-03 3.0E-03 5.0E-03 7.0E-03 8.0E-03 1.0E-02 3.0E-02 4.0E-02 4.5E-02

COMMENTS:	SOURCES: **11**	COMPANY NAME:	
	RECEPTORS: **610**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:29,417 0 1 km	
	MAX: **4.5E-02 ug/m^3**	DATE: **6/1/2021**	PROJECT NO.:

PROJECT TITLE:

Olive Grove Rialto - Unmitigated Operations - Period



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL ug/m^3

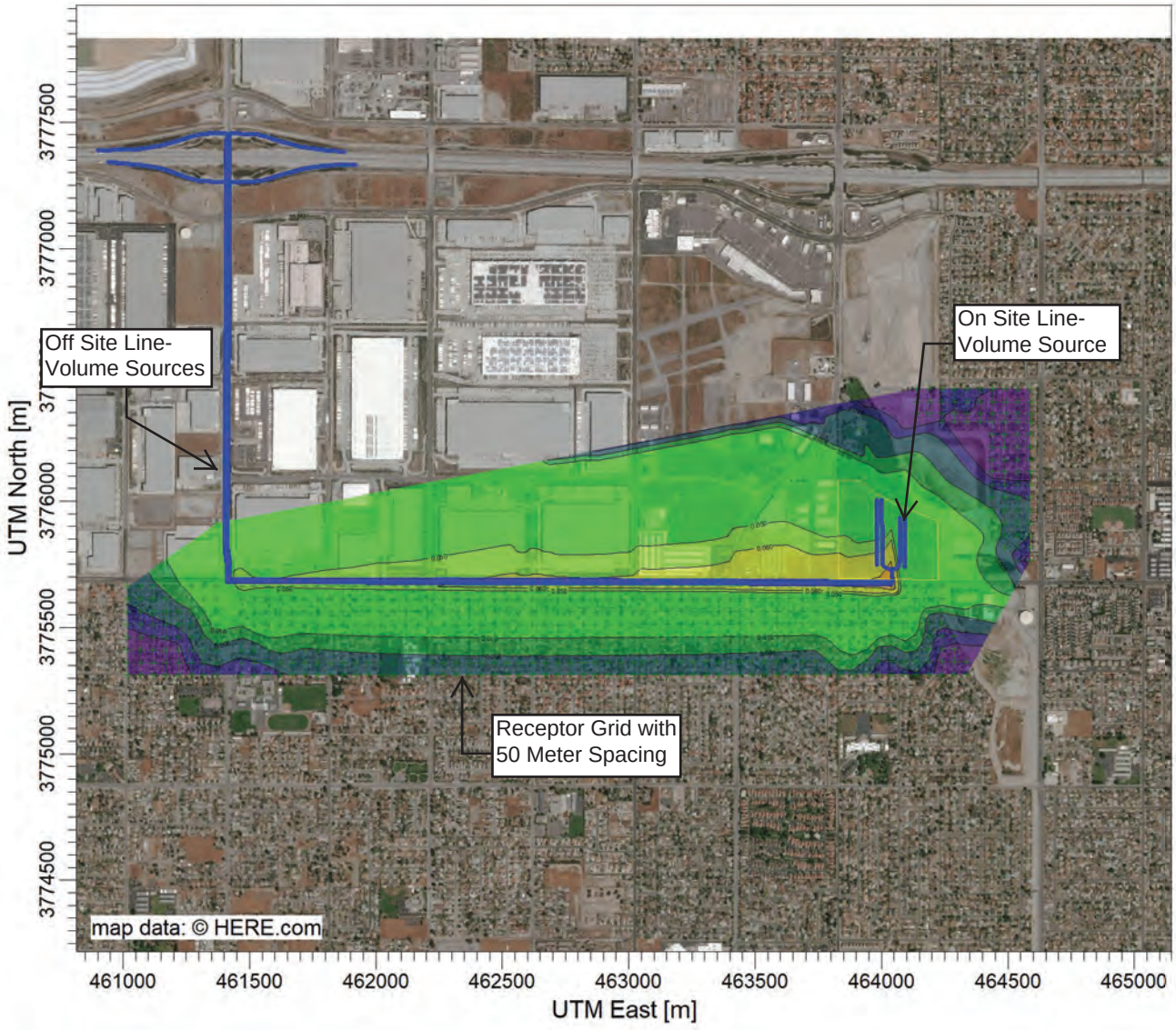
Max: 3.2E-02 [ug/m^3] at (463987.12, 3775664.91)

8.8E-04 1.0E-03 2.0E-03 4.0E-03 5.0E-03 6.0E-03 9.0E-03 1.0E-02 2.0E-02 3.0E-02 3.2E-02

COMMENTS:	SOURCES: **15**	COMPANY NAME:	
	RECEPTORS: **610**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:27,239 (0 — 1 km)	
	MAX: **3.2E-02 ug/m^3**	DATE: **9/10/2021**	PROJECT NO.:

PROJECT TITLE:

Olive Grove Rialto - Unmitigated Operations - 1-Hour



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL ug/m^3

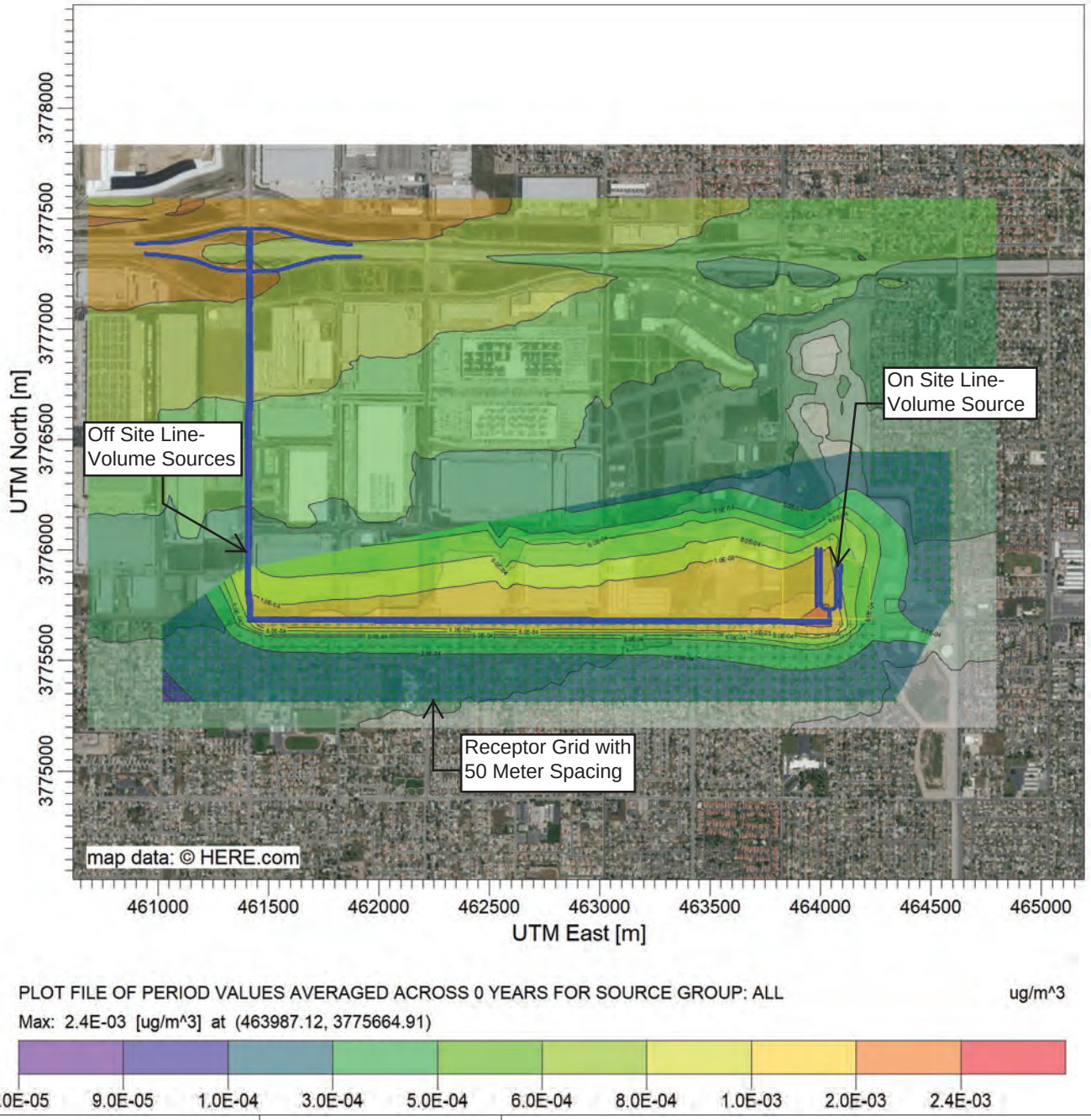
Max: 0.103 [ug/m^3] at (464037.12, 3775664.91)

0.003 0.005 0.006 0.008 0.010 0.050 0.060 0.080 0.100 0.103

COMMENTS:	SOURCES: **15**	COMPANY NAME:	
	RECEPTORS: **610**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:27,242 0 1 km	
	MAX: **0.103 ug/m^3**	DATE: **9/10/2021**	PROJECT NO.:

PROJECT TITLE:

Olive Ave Operations - Mitigated



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL ug/m^3

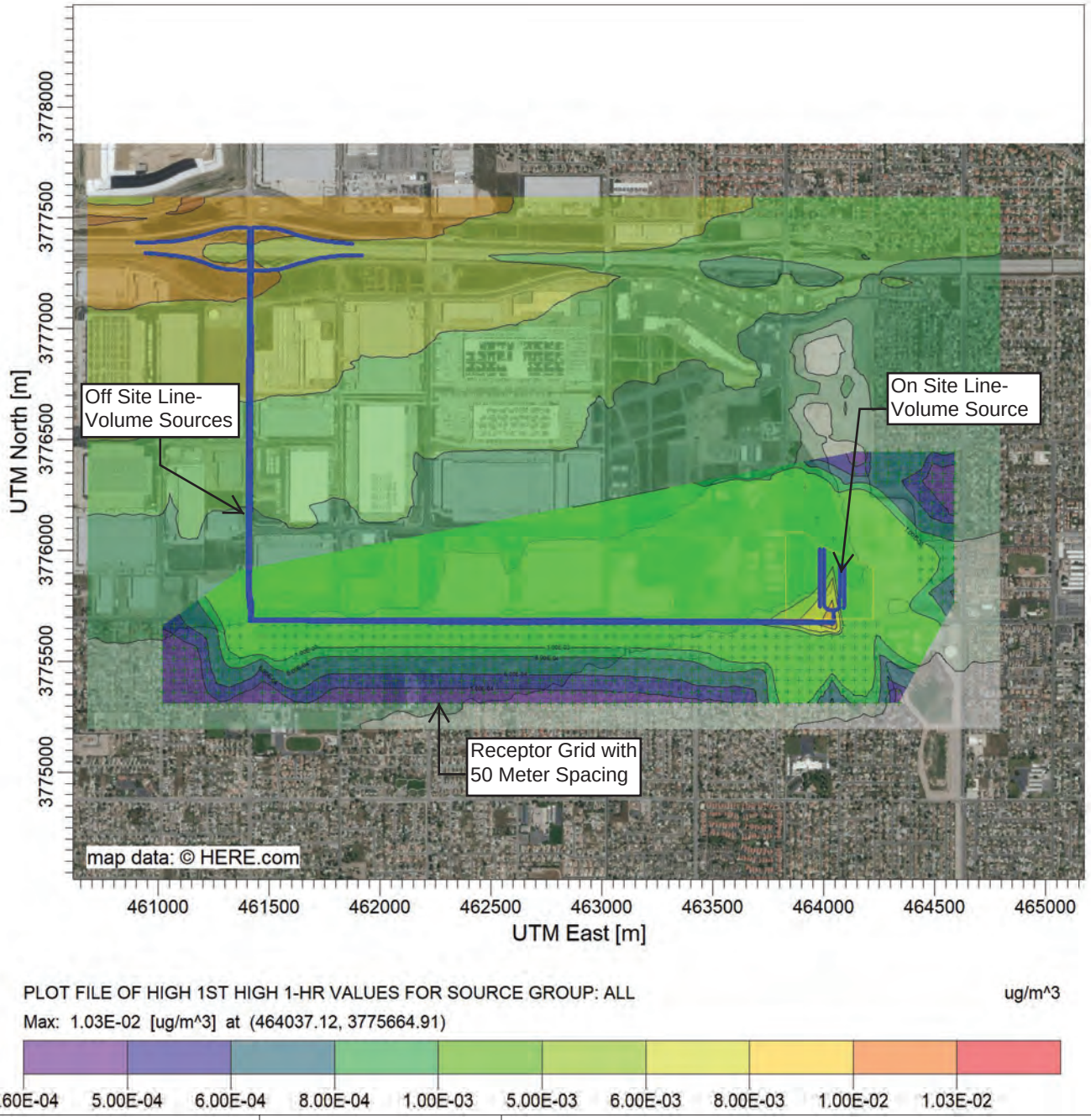
Max: 2.4E-03 [ug/m^3] at (463987.12, 3775664.91)

8.0E-05 9.0E-05 1.0E-04 3.0E-04 5.0E-04 6.0E-04 8.0E-04 1.0E-03 2.0E-03 2.4E-03

COMMENTS:	SOURCES: **15**	COMPANY NAME:	
	RECEPTORS: **610**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:28,802 0 1 km	
	MAX: **2.4E-03 ug/m^3**	DATE: **9/10/2021**	PROJECT NO.:

PROJECT TITLE:

Olive Ave Operations - Mitigated



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL ug/m^3

Max: 1.03E-02 [ug/m^3] at (464037.12, 3775664.91)

2.60E-04 5.00E-04 6.00E-04 8.00E-04 1.00E-03 5.00E-03 6.00E-03 8.00E-03 1.00E-02 1.03E-02

COMMENTS:	SOURCES: **15**	COMPANY NAME:	
	RECEPTORS: **610**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:28,674 0 1 km	
	MAX: **1.03E-02 ug/m^3**	DATE: **9/10/2021**	PROJECT NO.:

Unmitigated Operational Emissions Rates

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)	Directional Rate (g/sec)
SR-210 WB Off-Ramp	30	237	6.17E-02	454.7	0.28	4.12E+00	4.77E-05	--
SR-210 EB Off-Ramp	30	237	6.17E-02	475.7	0.30	4.31E+00	4.99E-05	--
SR-210 WB On-Ramp	35	237	5.07E-02	511.3	0.32	3.81E+00	4.41E-05	--
SR-210 EB On-Ramp	35	237	5.07E-02	506.4	0.31	3.77E+00	4.37E-05	--
Alder Ave - SR-210 WB Ramps to SR-210 EB Ramps - SB	50	237	8.96E-02	204.3	0.13	2.69E+00	3.11E-05	1.56E-05
Alder Ave - SR-210 WB Ramps to SR-210 EB Ramps - NB	50	237	8.96E-02	182.7	0.11	2.41E+00	2.78E-05	1.39E-05
Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB	50	237	8.96E-02	1581.4	0.98	2.08E+01	2.41E-04	1.20E-04
Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB	50	237	8.96E-02	1572.1	0.98	2.07E+01	2.40E-04	1.20E-04
Baseline Rd - Alder Ave to Site Entrance - EB	45	237	1.58E-01	2643	1.64	6.13E+01	7.10E-04	3.55E-04
Baseline Rd - Alder Ave to Site Entrance - WB	45	237	1.58E-01	2618.1	1.63	6.08E+01	7.03E-04	3.52E-04
Site Entrance	10	473	7.87E-02	45.7	0.03	1.06E+00	1.22E-05	--
On-Site Movement - Bldg 1	5	287	5.80E-02	301.2	0.19	3.12E+00	3.61E-05	--
On-Site Movement - Bldg 2	5	186	5.80E-02	224.2	0.14	1.50E+00	1.74E-05	--
On-Site Idling - Bldg 1	0	287	3.81E-02	260.5	0.16	1.77E+00	2.05E-05	--
On-Site Idling - Bldg 2	0	186	3.81E-02	195.7	0.12	8.60E-01	9.95E-06	--

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SAN BERNARDINO
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Emissions (tons/day)	Emissions (g/day)	Emissions (g/sec)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	Idle	DSL	0.004200632	3810.750449	0.044105908	84.80%	0.037401085
SAN BERNARDINO	2021	LHDT2	Aggregated	Idle	DSL	0.000258344	234.3654444	0.002712563	5.22%	0.000141465
SAN BERNARDINO	2021	MHDT	Aggregated	Idle	DSL	0.000494696	448.7806933	0.005194221	9.99%	0.000518718
								0.052012692		0.038061269

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Emissions (tons/day)	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	5	DSL	0.000594696	10139.82665	0.000000059	0.053205961	95.19%	0.050649205
SAN BERNARDINO	2021	LHDT2	Aggregated	5	DSL	5.19785E-06	67.00714246	0.000000078	0.070371721	0.63%	0.000442691
SAN BERNARDINO	2021	MHDT	Aggregated	5	DSL	8.12623E-05	444.8482414	0.000000183	0.165719257	4.18%	0.006920965
											0.058012861

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Emissions (tons/day)	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	10	DSL	0.002076356	30157.85012	0.000000069	0.062459322	76.55%	0.047814123
SAN BERNARDINO	2021	LHDT2	Aggregated	10	DSL	5.89725E-05	1025.329926	0.000000058	0.052177328	2.60%	0.001358013
SAN BERNARDINO	2021	MHDT	Aggregated	10	DSL	0.001284378	8211.850848	0.000000156	0.14188864	20.84%	0.029576531
											0.078748667

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	15	DSL	0.002004766	36046.42242	0.000000056	0.050454203	69.02%	0.034820973
SAN BERNARDINO	2021	LHDT2	Aggregated	15	DSL	0.000102196	2303.410608	0.000000044	0.040249324	4.41%	0.001775053
SAN BERNARDINO	2021	MHDT	Aggregated	15	DSL	0.001570697	13879.99689	0.000000113	0.102659422	26.57%	0.027281583
											0.063877610

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	25	DSL	0.0039636	94654.14806	0.000000042	0.037987965	61.05%	0.023192374
SAN BERNARDINO	2021	LHDT2	Aggregated	25	DSL	0.000264508	9140.138095	0.000000029	0.026253161	5.90%	0.001547725
SAN BERNARDINO	2021	MHDT	Aggregated	25	DSL	0.003600162	51244.54069	0.000000070	0.063733864	33.05%	0.021065772
											0.045805871

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	30	DSL	0.007339222	185390.8576	0.000000040	0.035913487	61.72%	0.022166229
SAN BERNARDINO	2021	LHDT2	Aggregated	30	DSL	0.000391403	15801.13426	0.000000025	0.0224715	10.19%	0.002290234
SAN BERNARDINO	2021	MHDT	Aggregated	30	DSL	0.006365981	99176.29276	0.000000064	0.058230881	63.97%	0.037249527
											0.061705990

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	35	DSL	0.006425944	163620.8876	0.000000039	0.035628213	54.47%	0.019407907
SAN BERNARDINO	2021	LHDT2	Aggregated	35	DSL	0.000270509	12349.99447	0.000000022	0.019870627	7.97%	0.001582843
SAN BERNARDINO	2021	MHDT	Aggregated	35	DSL	0.005078456	82504.04794	0.000000062	0.055840882	53.22%	0.029715775
											0.050706525

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	40	DSL	0.007615721	187137.708	0.000000041	0.036918629	62.30%	0.023001322
SAN BERNARDINO	2021	LHDT2	Aggregated	40	DSL	0.000294243	14640.45	0.000000020	0.018232556	9.44%	0.001721716
SAN BERNARDINO	2021	MHDT	Aggregated	40	DSL	0.005929257	95198.976	0.000000062	0.056502008	61.40%	0.034694105
											0.059417143

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	45	DSL	0.010725453	249443.6258	0.000000043	0.039006691	83.05%	0.032393468
SAN BERNARDINO	2021	LHDT2	Aggregated	45	DSL	0.010725453	18293.28297	0.000000586	0.531887597	11.80%	0.062758281
SAN BERNARDINO	2021	MHDT	Aggregated	45	DSL	0.010725453	117785.1356	0.000000091	0.082607795	75.97%	0.062758281
											0.157910030

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	VMT	(ton/mi/day)	(g/mi/day)	Percentage	Weight
SAN BERNARDINO	2021	HHDT	Aggregated	50	DSL	0.012040396	243951.6896	0.000000049	0.044774713	81.22%	0.036364914
SAN BERNARDINO	2021	LHDT2	Aggregated	50	DSL	0.000339874	18020.90061	0.000000019	0.017109493	11.62%	0.001988718
SAN BERNARDINO	2021	MHDT	Aggregated	50	DSL	0.008755638	118555.0004	0.000000074	0.066998301	76.47%	0.051232222
											0.089585854

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** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 9/8/2021
** File: C:\Lakes\AERMOD View\Olive Grove Rialto\Olive Grove Rialto.ADI
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**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Olive Ave Operations - Unmitigated
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Olive Grove Rialto.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000122
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 464043.031, 3775683.535, 417.91, 3.70, 1.67
** 464042.115, 3775729.181, 419.03, 3.70, 1.67
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   LOCATION L0034389     VOLUME   464042.995 3775685.334 417.88
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   LOCATION L0034390     VOLUME   464042.923 3775688.934 417.99
   LOCATION L0034391     VOLUME   464042.850 3775692.533 418.11
   LOCATION L0034392     VOLUME   464042.778 3775696.132 418.22
   LOCATION L0034393     VOLUME   464042.706 3775699.732 418.33
   LOCATION L0034394     VOLUME   464042.634 3775703.331 418.41
   LOCATION L0034395     VOLUME   464042.561 3775706.930 418.49
   LOCATION L0034396     VOLUME   464042.489 3775710.529 418.57
   LOCATION L0034397     VOLUME   464042.417 3775714.129 418.65
   LOCATION L0034398     VOLUME   464042.345 3775717.728 418.73
   LOCATION L0034399     VOLUME   464042.272 3775721.327 418.81
   LOCATION L0034400     VOLUME   464042.200 3775724.926 418.89
   LOCATION L0034401     VOLUME   464042.128 3775728.526 418.97
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Movement Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000174
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 464042.089, 3775729.299, 419.03, 3.70, 1.67
** 464053.951, 3775732.582, 419.01, 3.70, 1.67
** 464063.689, 3775737.147, 418.96, 3.70, 1.67
** 464069.776, 3775748.103, 419.02, 3.70, 1.67
** 464071.298, 3775760.580, 419.11, 3.70, 1.67
** 464071.298, 3775783.101, 418.89, 3.70, 1.67
** 464072.210, 3775936.574, 421.87, 3.70, 1.67
** ----------------------------------------------------------------------
   LOCATION L0034402     VOLUME   464043.824 3775729.779 419.00
   LOCATION L0034403     VOLUME   464047.293 3775730.739 419.03
   LOCATION L0034404     VOLUME   464050.763 3775731.699 419.03
   LOCATION L0034405     VOLUME   464054.216 3775732.706 419.03
   LOCATION L0034406     VOLUME   464057.475 3775734.234 419.04
   LOCATION L0034407     VOLUME   464060.735 3775735.762 419.04
   LOCATION L0034408     VOLUME   464063.853 3775737.441 419.03
   LOCATION L0034409     VOLUME   464065.601 3775740.588 419.05
   LOCATION L0034410     VOLUME   464067.350 3775743.735 419.07
   LOCATION L0034411     VOLUME   464069.098 3775746.882 419.08
   LOCATION L0034412     VOLUME   464070.043 3775750.290 419.09
   LOCATION L0034413     VOLUME   464070.479 3775753.864 419.12
   LOCATION L0034414     VOLUME   464070.914 3775757.437 419.14
   LOCATION L0034415     VOLUME   464071.298 3775761.014 419.16
   LOCATION L0034416     VOLUME   464071.298 3775764.614 419.12
   LOCATION L0034417     VOLUME   464071.298 3775768.214 419.08
   LOCATION L0034418     VOLUME   464071.298 3775771.814 419.05
   LOCATION L0034419     VOLUME   464071.298 3775775.414 419.01
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   LOCATION L0034420     VOLUME   464071.298 3775779.014 418.97
   LOCATION L0034421     VOLUME   464071.298 3775782.614 418.93
   LOCATION L0034422     VOLUME   464071.316 3775786.214 418.89
   LOCATION L0034423     VOLUME   464071.338 3775789.814 418.86
   LOCATION L0034424     VOLUME   464071.359 3775793.414 418.85
   LOCATION L0034425     VOLUME   464071.380 3775797.014 418.89
   LOCATION L0034426     VOLUME   464071.402 3775800.614 418.92
   LOCATION L0034427     VOLUME   464071.423 3775804.214 418.96
   LOCATION L0034428     VOLUME   464071.445 3775807.814 419.00
   LOCATION L0034429     VOLUME   464071.466 3775811.413 419.03
   LOCATION L0034430     VOLUME   464071.487 3775815.013 419.07
   LOCATION L0034431     VOLUME   464071.509 3775818.613 419.10
   LOCATION L0034432     VOLUME   464071.530 3775822.213 419.14
   LOCATION L0034433     VOLUME   464071.552 3775825.813 419.19
   LOCATION L0034434     VOLUME   464071.573 3775829.413 419.25
   LOCATION L0034435     VOLUME   464071.594 3775833.013 419.30
   LOCATION L0034436     VOLUME   464071.616 3775836.613 419.36
   LOCATION L0034437     VOLUME   464071.637 3775840.213 419.41
   LOCATION L0034438     VOLUME   464071.659 3775843.813 419.46
   LOCATION L0034439     VOLUME   464071.680 3775847.413 419.52
   LOCATION L0034440     VOLUME   464071.701 3775851.013 419.57
   LOCATION L0034441     VOLUME   464071.723 3775854.613 419.63
   LOCATION L0034442     VOLUME   464071.744 3775858.213 419.68
   LOCATION L0034443     VOLUME   464071.765 3775861.813 419.73
   LOCATION L0034444     VOLUME   464071.787 3775865.413 419.78
   LOCATION L0034445     VOLUME   464071.808 3775869.012 419.83
   LOCATION L0034446     VOLUME   464071.830 3775872.612 419.89
   LOCATION L0034447     VOLUME   464071.851 3775876.212 419.94
   LOCATION L0034448     VOLUME   464071.872 3775879.812 419.99
   LOCATION L0034449     VOLUME   464071.894 3775883.412 420.04
   LOCATION L0034450     VOLUME   464071.915 3775887.012 420.14
   LOCATION L0034451     VOLUME   464071.937 3775890.612 420.24
   LOCATION L0034452     VOLUME   464071.958 3775894.212 420.35
   LOCATION L0034453     VOLUME   464071.979 3775897.812 420.45
   LOCATION L0034454     VOLUME   464072.001 3775901.412 420.56
   LOCATION L0034455     VOLUME   464072.022 3775905.012 420.66
   LOCATION L0034456     VOLUME   464072.044 3775908.612 420.77
   LOCATION L0034457     VOLUME   464072.065 3775912.212 420.87
   LOCATION L0034458     VOLUME   464072.086 3775915.812 420.98
   LOCATION L0034459     VOLUME   464072.108 3775919.412 421.11
   LOCATION L0034460     VOLUME   464072.129 3775923.012 421.23
   LOCATION L0034461     VOLUME   464072.151 3775926.611 421.36
   LOCATION L0034462     VOLUME   464072.172 3775930.211 421.48
   LOCATION L0034463     VOLUME   464072.193 3775933.811 421.60
** End of LINE VOLUME Source ID = SLINE6
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-Site Movement - Bldg 1
** PREFIX
```

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** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000361
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
** 464041.559, 3775728.892, 419.03, 3.70, 1.67
** 464025.852, 3775732.810, 419.00, 3.70, 1.67
** 464017.816, 3775735.565, 419.03, 3.70, 1.67
** 464010.382, 3775740.343, 419.11, 3.70, 1.67
** 464005.368, 3775745.357, 419.15, 3.70, 1.67
** 464002.861, 3775753.952, 419.48, 3.70, 1.67
** 464002.145, 3775775.441, 419.80, 3.70, 1.67
** 464001.478, 3776005.610, 423.26, 3.70, 1.67
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   LOCATION L0034464     VOLUME   464039.812 3775729.328 418.99
   LOCATION L0034465     VOLUME   464036.319 3775730.199 419.01
   LOCATION L0034466     VOLUME   464032.826 3775731.070 419.02
   LOCATION L0034467     VOLUME   464029.333 3775731.942 419.03
   LOCATION L0034468     VOLUME   464025.841 3775732.814 419.04
   LOCATION L0034469     VOLUME   464022.435 3775733.982 419.06
   LOCATION L0034470     VOLUME   464019.030 3775735.149 419.08
   LOCATION L0034471     VOLUME   464015.867 3775736.818 419.12
   LOCATION L0034472     VOLUME   464012.838 3775738.764 419.16
   LOCATION L0034473     VOLUME   464009.901 3775740.824 419.20
   LOCATION L0034474     VOLUME   464007.356 3775743.369 419.24
   LOCATION L0034475     VOLUME   464005.147 3775746.114 419.28
   LOCATION L0034476     VOLUME   464004.139 3775749.570 419.34
   LOCATION L0034477     VOLUME   464003.131 3775753.026 419.39
   LOCATION L0034478     VOLUME   464002.773 3775756.586 419.44
   LOCATION L0034479     VOLUME   464002.653 3775760.184 419.50
   LOCATION L0034480     VOLUME   464002.533 3775763.782 419.54
   LOCATION L0034481     VOLUME   464002.413 3775767.380 419.59
   LOCATION L0034482     VOLUME   464002.293 3775770.978 419.63
   LOCATION L0034483     VOLUME   464002.173 3775774.576 419.67
   LOCATION L0034484     VOLUME   464002.137 3775778.176 419.72
   LOCATION L0034485     VOLUME   464002.126 3775781.776 419.76
   LOCATION L0034486     VOLUME   464002.116 3775785.376 419.81
   LOCATION L0034487     VOLUME   464002.105 3775788.976 419.85
   LOCATION L0034488     VOLUME   464002.095 3775792.576 419.89
   LOCATION L0034489     VOLUME   464002.085 3775796.176 419.94
   LOCATION L0034490     VOLUME   464002.074 3775799.776 419.99
   LOCATION L0034491     VOLUME   464002.064 3775803.376 420.05
   LOCATION L0034492     VOLUME   464002.053 3775806.976 420.10
   LOCATION L0034493     VOLUME   464002.043 3775810.576 420.15
   LOCATION L0034494     VOLUME   464002.032 3775814.176 420.20
   LOCATION L0034495     VOLUME   464002.022 3775817.776 420.25
   LOCATION L0034496     VOLUME   464002.012 3775821.376 420.30
   LOCATION L0034497     VOLUME   464002.001 3775824.976 420.35
   LOCATION L0034498     VOLUME   464001.991 3775828.576 420.42
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   LOCATION L0034499     VOLUME   464001.980 3775832.176 420.48
   LOCATION L0034500     VOLUME   464001.970 3775835.776 420.54
   LOCATION L0034501     VOLUME   464001.959 3775839.376 420.60
   LOCATION L0034502     VOLUME   464001.949 3775842.976 420.67
   LOCATION L0034503     VOLUME   464001.938 3775846.575 420.73
   LOCATION L0034504     VOLUME   464001.928 3775850.175 420.79
   LOCATION L0034505     VOLUME   464001.918 3775853.775 420.85
   LOCATION L0034506     VOLUME   464001.907 3775857.375 420.91
   LOCATION L0034507     VOLUME   464001.897 3775860.975 420.96
   LOCATION L0034508     VOLUME   464001.886 3775864.575 421.01
   LOCATION L0034509     VOLUME   464001.876 3775868.175 421.06
   LOCATION L0034510     VOLUME   464001.865 3775871.775 421.11
   LOCATION L0034511     VOLUME   464001.855 3775875.375 421.16
   LOCATION L0034512     VOLUME   464001.845 3775878.975 421.21
   LOCATION L0034513     VOLUME   464001.834 3775882.575 421.27
   LOCATION L0034514     VOLUME   464001.824 3775886.175 421.32
   LOCATION L0034515     VOLUME   464001.813 3775889.775 421.37
   LOCATION L0034516     VOLUME   464001.803 3775893.375 421.43
   LOCATION L0034517     VOLUME   464001.792 3775896.975 421.48
   LOCATION L0034518     VOLUME   464001.782 3775900.575 421.54
   LOCATION L0034519     VOLUME   464001.772 3775904.175 421.59
   LOCATION L0034520     VOLUME   464001.761 3775907.775 421.64
   LOCATION L0034521     VOLUME   464001.751 3775911.375 421.70
   LOCATION L0034522     VOLUME   464001.740 3775914.975 421.75
   LOCATION L0034523     VOLUME   464001.730 3775918.575 421.82
   LOCATION L0034524     VOLUME   464001.719 3775922.175 421.89
   LOCATION L0034525     VOLUME   464001.709 3775925.775 421.96
   LOCATION L0034526     VOLUME   464001.698 3775929.375 422.03
   LOCATION L0034527     VOLUME   464001.688 3775932.975 422.10
   LOCATION L0034528     VOLUME   464001.678 3775936.575 422.17
   LOCATION L0034529     VOLUME   464001.667 3775940.175 422.24
   LOCATION L0034530     VOLUME   464001.657 3775943.775 422.31
   LOCATION L0034531     VOLUME   464001.646 3775947.375 422.39
   LOCATION L0034532     VOLUME   464001.636 3775950.975 422.46
   LOCATION L0034533     VOLUME   464001.625 3775954.575 422.54
   LOCATION L0034534     VOLUME   464001.615 3775958.175 422.61
   LOCATION L0034535     VOLUME   464001.605 3775961.775 422.69
   LOCATION L0034536     VOLUME   464001.594 3775965.375 422.76
   LOCATION L0034537     VOLUME   464001.584 3775968.975 422.84
   LOCATION L0034538     VOLUME   464001.573 3775972.575 422.91
   LOCATION L0034539     VOLUME   464001.563 3775976.175 422.99
   LOCATION L0034540     VOLUME   464001.552 3775979.775 423.03
   LOCATION L0034541     VOLUME   464001.542 3775983.375 423.06
   LOCATION L0034542     VOLUME   464001.532 3775986.975 423.09
   LOCATION L0034543     VOLUME   464001.521 3775990.575 423.11
   LOCATION L0034544     VOLUME   464001.511 3775994.175 423.14
   LOCATION L0034545     VOLUME   464001.500 3775997.775 423.17
   LOCATION L0034546     VOLUME   464001.490 3776001.375 423.20
   LOCATION L0034547     VOLUME   464001.479 3776004.975 423.23
** End of LINE VOLUME Source ID = SLINE7
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC On-Site Idling - Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 9.95E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 464091.884, 3775933.047, 422.01, 3.70, 1.67
** 464090.695, 3775737.363, 418.70, 3.70, 1.67
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   LOCATION L0034548     VOLUME   464091.874 3775931.247 421.74
   LOCATION L0034549     VOLUME   464091.852 3775927.647 421.67
   LOCATION L0034550     VOLUME   464091.830 3775924.047 421.60
   LOCATION L0034551     VOLUME   464091.808 3775920.447 421.54
   LOCATION L0034552     VOLUME   464091.786 3775916.847 421.47
   LOCATION L0034553     VOLUME   464091.764 3775913.247 421.39
   LOCATION L0034554     VOLUME   464091.742 3775909.647 421.29
   LOCATION L0034555     VOLUME   464091.720 3775906.047 421.20
   LOCATION L0034556     VOLUME   464091.698 3775902.447 421.11
   LOCATION L0034557     VOLUME   464091.677 3775898.848 421.02
   LOCATION L0034558     VOLUME   464091.655 3775895.248 420.92
   LOCATION L0034559     VOLUME   464091.633 3775891.648 420.83
   LOCATION L0034560     VOLUME   464091.611 3775888.048 420.74
   LOCATION L0034561     VOLUME   464091.589 3775884.448 420.64
   LOCATION L0034562     VOLUME   464091.567 3775880.848 420.57
   LOCATION L0034563     VOLUME   464091.545 3775877.248 420.49
   LOCATION L0034564     VOLUME   464091.523 3775873.648 420.42
   LOCATION L0034565     VOLUME   464091.502 3775870.048 420.34
   LOCATION L0034566     VOLUME   464091.480 3775866.448 420.27
   LOCATION L0034567     VOLUME   464091.458 3775862.848 420.19
   LOCATION L0034568     VOLUME   464091.436 3775859.248 420.12
   LOCATION L0034569     VOLUME   464091.414 3775855.648 420.04
   LOCATION L0034570     VOLUME   464091.392 3775852.048 419.96
   LOCATION L0034571     VOLUME   464091.370 3775848.448 419.88
   LOCATION L0034572     VOLUME   464091.348 3775844.849 419.79
   LOCATION L0034573     VOLUME   464091.326 3775841.249 419.70
   LOCATION L0034574     VOLUME   464091.305 3775837.649 419.61
   LOCATION L0034575     VOLUME   464091.283 3775834.049 419.52
   LOCATION L0034576     VOLUME   464091.261 3775830.449 419.43
   LOCATION L0034577     VOLUME   464091.239 3775826.849 419.35
   LOCATION L0034578     VOLUME   464091.217 3775823.249 419.26
   LOCATION L0034579     VOLUME   464091.195 3775819.649 419.16
   LOCATION L0034580     VOLUME   464091.173 3775816.049 419.06
   LOCATION L0034581     VOLUME   464091.151 3775812.449 418.97
   LOCATION L0034582     VOLUME   464091.129 3775808.849 418.87
   LOCATION L0034583     VOLUME   464091.108 3775805.249 418.77
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   LOCATION L0034584     VOLUME   464091.086 3775801.649 418.67
   LOCATION L0034585     VOLUME   464091.064 3775798.049 418.57
   LOCATION L0034586     VOLUME   464091.042 3775794.449 418.48
   LOCATION L0034587     VOLUME   464091.020 3775790.850 418.41
   LOCATION L0034588     VOLUME   464090.998 3775787.250 418.43
   LOCATION L0034589     VOLUME   464090.976 3775783.650 418.46
   LOCATION L0034590     VOLUME   464090.954 3775780.050 418.48
   LOCATION L0034591     VOLUME   464090.933 3775776.450 418.50
   LOCATION L0034592     VOLUME   464090.911 3775772.850 418.53
   LOCATION L0034593     VOLUME   464090.889 3775769.250 418.55
   LOCATION L0034594     VOLUME   464090.867 3775765.650 418.58
   LOCATION L0034595     VOLUME   464090.845 3775762.050 418.60
   LOCATION L0034596     VOLUME   464090.823 3775758.450 418.62
   LOCATION L0034597     VOLUME   464090.801 3775754.850 418.64
   LOCATION L0034598     VOLUME   464090.779 3775751.250 418.67
   LOCATION L0034599     VOLUME   464090.757 3775747.650 418.69
   LOCATION L0034600     VOLUME   464090.736 3775744.050 418.71
   LOCATION L0034601     VOLUME   464090.714 3775740.450 418.73
** End of LINE VOLUME Source ID = SLINE8
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC On-Site Idling - Bldg 1
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000205
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 463981.850, 3776005.610, 423.27, 3.70, 1.67
** 463982.444, 3775745.096, 419.15, 3.70, 1.67
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   LOCATION L0034602     VOLUME   463981.854 3776003.810 423.24
   LOCATION L0034603     VOLUME   463981.862 3776000.210 423.19
   LOCATION L0034604     VOLUME   463981.870 3775996.610 423.15
   LOCATION L0034605     VOLUME   463981.878 3775993.010 423.10
   LOCATION L0034606     VOLUME   463981.887 3775989.410 423.06
   LOCATION L0034607     VOLUME   463981.895 3775985.810 423.01
   LOCATION L0034608     VOLUME   463981.903 3775982.210 422.97
   LOCATION L0034609     VOLUME   463981.911 3775978.610 422.92
   LOCATION L0034610     VOLUME   463981.920 3775975.010 422.86
   LOCATION L0034611     VOLUME   463981.928 3775971.410 422.79
   LOCATION L0034612     VOLUME   463981.936 3775967.810 422.72
   LOCATION L0034613     VOLUME   463981.944 3775964.210 422.65
   LOCATION L0034614     VOLUME   463981.952 3775960.611 422.58
   LOCATION L0034615     VOLUME   463981.961 3775957.011 422.51
   LOCATION L0034616     VOLUME   463981.969 3775953.411 422.44
   LOCATION L0034617     VOLUME   463981.977 3775949.811 422.37
   LOCATION L0034618     VOLUME   463981.985 3775946.211 422.30
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LOCATION L0034619 VOLUME 463981.994 3775942.611 422.24
LOCATION L0034620 VOLUME 463982.002 3775939.011 422.17
LOCATION L0034621 VOLUME 463982.010 3775935.411 422.10
LOCATION L0034622 VOLUME 463982.018 3775931.811 422.04
LOCATION L0034623 VOLUME 463982.026 3775928.211 421.97
LOCATION L0034624 VOLUME 463982.035 3775924.611 421.90
LOCATION L0034625 VOLUME 463982.043 3775921.011 421.84
LOCATION L0034626 VOLUME 463982.051 3775917.411 421.77
LOCATION L0034627 VOLUME 463982.059 3775913.811 421.71
LOCATION L0034628 VOLUME 463982.068 3775910.211 421.65
LOCATION L0034629 VOLUME 463982.076 3775906.611 421.60
LOCATION L0034630 VOLUME 463982.084 3775903.011 421.54
LOCATION L0034631 VOLUME 463982.092 3775899.411 421.49
LOCATION L0034632 VOLUME 463982.100 3775895.811 421.43
LOCATION L0034633 VOLUME 463982.109 3775892.211 421.38
LOCATION L0034634 VOLUME 463982.117 3775888.611 421.32
LOCATION L0034635 VOLUME 463982.125 3775885.011 421.27
LOCATION L0034636 VOLUME 463982.133 3775881.411 421.21
LOCATION L0034637 VOLUME 463982.141 3775877.811 421.16
LOCATION L0034638 VOLUME 463982.150 3775874.211 421.10
LOCATION L0034639 VOLUME 463982.158 3775870.611 421.05
LOCATION L0034640 VOLUME 463982.166 3775867.011 420.99
LOCATION L0034641 VOLUME 463982.174 3775863.411 420.94
LOCATION L0034642 VOLUME 463982.183 3775859.811 420.88
LOCATION L0034643 VOLUME 463982.191 3775856.211 420.83
LOCATION L0034644 VOLUME 463982.199 3775852.611 420.77
LOCATION L0034645 VOLUME 463982.207 3775849.011 420.71
LOCATION L0034646 VOLUME 463982.215 3775845.411 420.64
LOCATION L0034647 VOLUME 463982.224 3775841.811 420.58
LOCATION L0034648 VOLUME 463982.232 3775838.211 420.51
LOCATION L0034649 VOLUME 463982.240 3775834.611 420.45
LOCATION L0034650 VOLUME 463982.248 3775831.011 420.38
LOCATION L0034651 VOLUME 463982.257 3775827.411 420.32
LOCATION L0034652 VOLUME 463982.265 3775823.811 420.26
LOCATION L0034653 VOLUME 463982.273 3775820.211 420.20
LOCATION L0034654 VOLUME 463982.281 3775816.611 420.14
LOCATION L0034655 VOLUME 463982.289 3775813.011 420.09
LOCATION L0034656 VOLUME 463982.298 3775809.411 420.03
LOCATION L0034657 VOLUME 463982.306 3775805.811 419.98
LOCATION L0034658 VOLUME 463982.314 3775802.211 419.92
LOCATION L0034659 VOLUME 463982.322 3775798.611 419.87
LOCATION L0034660 VOLUME 463982.331 3775795.011 419.81
LOCATION L0034661 VOLUME 463982.339 3775791.411 419.76
LOCATION L0034662 VOLUME 463982.347 3775787.811 419.72
LOCATION L0034663 VOLUME 463982.355 3775784.211 419.69
LOCATION L0034664 VOLUME 463982.363 3775780.611 419.65
LOCATION L0034665 VOLUME 463982.372 3775777.011 419.61
LOCATION L0034666 VOLUME 463982.380 3775773.411 419.58
LOCATION L0034667 VOLUME 463982.388 3775769.811 419.54
LOCATION L0034668 VOLUME 463982.396 3775766.211 419.50

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   LOCATION L0034669     VOLUME   463982.405 3775762.611 419.47
   LOCATION L0034670     VOLUME   463982.413 3775759.011 419.42
   LOCATION L0034671     VOLUME   463982.421 3775755.411 419.37
   LOCATION L0034672     VOLUME   463982.429 3775751.811 419.32
   LOCATION L0034673     VOLUME   463982.437 3775748.211 419.27
** End of LINE VOLUME Source ID = SLINE9
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC SR-210 WB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000477
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 461873.459, 3777383.026, 457.74, 3.70, 1.67
** 461787.495, 3777390.972, 458.44, 3.70, 1.67
** 461705.865, 3777401.808, 459.35, 3.70, 1.67
** 461632.903, 3777420.590, 459.50, 3.70, 1.67
** 461572.223, 3777440.095, 461.28, 3.70, 1.67
** 461524.545, 3777453.098, 463.37, 3.70, 1.67
** 461427.022, 3777455.265, 465.48, 3.70, 1.67
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   LOCATION L0031545     VOLUME   461871.667 3777383.191 457.49
   LOCATION L0031546     VOLUME   461868.082 3777383.523 457.53
   LOCATION L0031547     VOLUME   461864.497 3777383.854 457.58
   LOCATION L0031548     VOLUME   461860.912 3777384.186 457.63
   LOCATION L0031549     VOLUME   461857.328 3777384.517 457.68
   LOCATION L0031550     VOLUME   461853.743 3777384.848 457.73
   LOCATION L0031551     VOLUME   461850.158 3777385.180 457.75
   LOCATION L0031552     VOLUME   461846.574 3777385.511 457.77
   LOCATION L0031553     VOLUME   461842.989 3777385.842 457.78
   LOCATION L0031554     VOLUME   461839.404 3777386.174 457.80
   LOCATION L0031555     VOLUME   461835.819 3777386.505 457.81
   LOCATION L0031556     VOLUME   461832.235 3777386.836 457.83
   LOCATION L0031557     VOLUME   461828.650 3777387.168 457.85
   LOCATION L0031558     VOLUME   461825.065 3777387.499 457.85
   LOCATION L0031559     VOLUME   461821.481 3777387.831 457.84
   LOCATION L0031560     VOLUME   461817.896 3777388.162 457.83
   LOCATION L0031561     VOLUME   461814.311 3777388.493 457.82
   LOCATION L0031562     VOLUME   461810.726 3777388.825 457.82
   LOCATION L0031563     VOLUME   461807.142 3777389.156 457.81
   LOCATION L0031564     VOLUME   461803.557 3777389.487 457.79
   LOCATION L0031565     VOLUME   461799.972 3777389.819 457.81
   LOCATION L0031566     VOLUME   461796.388 3777390.150 457.89
   LOCATION L0031567     VOLUME   461792.803 3777390.481 457.96
   LOCATION L0031568     VOLUME   461789.218 3777390.813 458.04
   LOCATION L0031569     VOLUME   461785.642 3777391.218 458.13
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LOCATION L0031570 VOLUME 461782.073 3777391.692 458.23
LOCATION L0031571 VOLUME 461778.504 3777392.165 458.33
LOCATION L0031572 VOLUME 461774.936 3777392.639 458.43
LOCATION L0031573 VOLUME 461771.367 3777393.113 458.49
LOCATION L0031574 VOLUME 461767.798 3777393.587 458.56
LOCATION L0031575 VOLUME 461764.230 3777394.060 458.62
LOCATION L0031576 VOLUME 461760.661 3777394.534 458.68
LOCATION L0031577 VOLUME 461757.092 3777395.008 458.74
LOCATION L0031578 VOLUME 461753.523 3777395.482 458.80
LOCATION L0031579 VOLUME 461749.955 3777395.955 458.86
LOCATION L0031580 VOLUME 461746.386 3777396.429 458.90
LOCATION L0031581 VOLUME 461742.817 3777396.903 458.94
LOCATION L0031582 VOLUME 461739.249 3777397.376 458.97
LOCATION L0031583 VOLUME 461735.680 3777397.850 459.00
LOCATION L0031584 VOLUME 461732.111 3777398.324 459.04
LOCATION L0031585 VOLUME 461728.543 3777398.798 459.07
LOCATION L0031586 VOLUME 461724.974 3777399.271 459.09
LOCATION L0031587 VOLUME 461721.405 3777399.745 459.11
LOCATION L0031588 VOLUME 461717.837 3777400.219 459.13
LOCATION L0031589 VOLUME 461714.268 3777400.692 459.14
LOCATION L0031590 VOLUME 461710.699 3777401.166 459.15
LOCATION L0031591 VOLUME 461707.130 3777401.640 459.16
LOCATION L0031592 VOLUME 461703.615 3777402.387 459.20
LOCATION L0031593 VOLUME 461700.129 3777403.285 459.25
LOCATION L0031594 VOLUME 461696.642 3777404.182 459.27
LOCATION L0031595 VOLUME 461693.156 3777405.079 459.28
LOCATION L0031596 VOLUME 461689.670 3777405.977 459.29
LOCATION L0031597 VOLUME 461686.183 3777406.874 459.31
LOCATION L0031598 VOLUME 461682.697 3777407.772 459.34
LOCATION L0031599 VOLUME 461679.211 3777408.669 459.36
LOCATION L0031600 VOLUME 461675.724 3777409.567 459.39
LOCATION L0031601 VOLUME 461672.238 3777410.464 459.43
LOCATION L0031602 VOLUME 461668.752 3777411.362 459.49
LOCATION L0031603 VOLUME 461665.265 3777412.259 459.55
LOCATION L0031604 VOLUME 461661.779 3777413.157 459.61
LOCATION L0031605 VOLUME 461658.293 3777414.054 459.67
LOCATION L0031606 VOLUME 461654.806 3777414.952 459.74
LOCATION L0031607 VOLUME 461651.320 3777415.849 459.80
LOCATION L0031608 VOLUME 461647.833 3777416.747 459.88
LOCATION L0031609 VOLUME 461644.347 3777417.644 459.97
LOCATION L0031610 VOLUME 461640.861 3777418.542 460.07
LOCATION L0031611 VOLUME 461637.374 3777419.439 460.16
LOCATION L0031612 VOLUME 461633.888 3777420.337 460.26
LOCATION L0031613 VOLUME 461630.444 3777421.380 460.37
LOCATION L0031614 VOLUME 461627.017 3777422.482 460.49
LOCATION L0031615 VOLUME 461623.590 3777423.584 460.60
LOCATION L0031616 VOLUME 461620.162 3777424.685 460.72
LOCATION L0031617 VOLUME 461616.735 3777425.787 460.83
LOCATION L0031618 VOLUME 461613.308 3777426.889 460.94
LOCATION L0031619 VOLUME 461609.880 3777427.990 461.04

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LOCATION L0031620     VOLUME   461606.453 3777429.092 461.13
LOCATION L0031621     VOLUME   461603.026 3777430.194 461.22
LOCATION L0031622     VOLUME   461599.598 3777431.295 461.30
LOCATION L0031623     VOLUME   461596.171 3777432.397 461.38
LOCATION L0031624     VOLUME   461592.744 3777433.498 461.46
LOCATION L0031625     VOLUME   461589.317 3777434.600 461.52
LOCATION L0031626     VOLUME   461585.889 3777435.702 461.57
LOCATION L0031627     VOLUME   461582.462 3777436.803 461.63
LOCATION L0031628     VOLUME   461579.035 3777437.905 461.68
LOCATION L0031629     VOLUME   461575.607 3777439.007 461.73
LOCATION L0031630     VOLUME   461572.179 3777440.106 461.79
LOCATION L0031631     VOLUME   461568.706 3777441.054 461.88
LOCATION L0031632     VOLUME   461565.233 3777442.001 461.99
LOCATION L0031633     VOLUME   461561.760 3777442.948 462.10
LOCATION L0031634     VOLUME   461558.287 3777443.895 462.21
LOCATION L0031635     VOLUME   461554.814 3777444.842 462.31
LOCATION L0031636     VOLUME   461551.341 3777445.790 462.41
LOCATION L0031637     VOLUME   461547.867 3777446.737 462.50
LOCATION L0031638     VOLUME   461544.394 3777447.684 462.59
LOCATION L0031639     VOLUME   461540.921 3777448.631 462.70
LOCATION L0031640     VOLUME   461537.448 3777449.579 462.81
LOCATION L0031641     VOLUME   461533.975 3777450.526 462.90
LOCATION L0031642     VOLUME   461530.502 3777451.473 462.99
LOCATION L0031643     VOLUME   461527.029 3777452.420 463.07
LOCATION L0031644     VOLUME   461523.519 3777453.120 463.14
LOCATION L0031645     VOLUME   461519.920 3777453.200 463.18
LOCATION L0031646     VOLUME   461516.321 3777453.280 463.24
LOCATION L0031647     VOLUME   461512.722 3777453.360 463.30
LOCATION L0031648     VOLUME   461509.123 3777453.440 463.36
LOCATION L0031649     VOLUME   461505.524 3777453.520 463.42
LOCATION L0031650     VOLUME   461501.925 3777453.600 463.48
LOCATION L0031651     VOLUME   461498.326 3777453.680 463.54
LOCATION L0031652     VOLUME   461494.727 3777453.760 463.59
LOCATION L0031653     VOLUME   461491.127 3777453.840 463.66
LOCATION L0031654     VOLUME   461487.528 3777453.920 463.74
LOCATION L0031655     VOLUME   461483.929 3777454.000 463.81
LOCATION L0031656     VOLUME   461480.330 3777454.080 463.88
LOCATION L0031657     VOLUME   461476.731 3777454.160 463.95
LOCATION L0031658     VOLUME   461473.132 3777454.240 464.02
LOCATION L0031659     VOLUME   461469.533 3777454.320 464.09
LOCATION L0031660     VOLUME   461465.934 3777454.400 464.21
LOCATION L0031661     VOLUME   461462.335 3777454.480 464.34
LOCATION L0031662     VOLUME   461458.735 3777454.560 464.47
LOCATION L0031663     VOLUME   461455.136 3777454.640 464.60
LOCATION L0031664     VOLUME   461451.537 3777454.720 464.73
LOCATION L0031665     VOLUME   461447.938 3777454.800 464.86
LOCATION L0031666     VOLUME   461444.339 3777454.880 464.99
LOCATION L0031667     VOLUME   461440.740 3777454.960 465.12
LOCATION L0031668     VOLUME   461437.141 3777455.040 465.24
LOCATION L0031669     VOLUME   461433.542 3777455.120 465.37
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   LOCATION L0031670     VOLUME   461429.943 3777455.200 465.50
** End of LINE VOLUME Source ID = SLINE10
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC SR-210 EB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000499
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
** 460941.341, 3777341.628, 463.31, 3.70, 1.67
** 461014.386, 3777335.725, 462.46, 3.70, 1.67
** 461077.101, 3777329.085, 461.65, 3.70, 1.67
** 461142.029, 3777318.755, 461.18, 3.70, 1.67
** 461191.463, 3777303.999, 460.63, 3.70, 1.67
** 461257.867, 3777278.913, 461.05, 3.70, 1.67
** 461299.185, 3777269.321, 461.54, 3.70, 1.67
** 461358.949, 3777264.156, 461.88, 3.70, 1.67
** 461407.524, 3777263.337, 462.74, 3.70, 1.67
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   LOCATION L0031671     VOLUME   460943.135 3777341.483 463.26
   LOCATION L0031672     VOLUME   460946.724 3777341.193 463.23
   LOCATION L0031673     VOLUME   460950.312 3777340.903 463.20
   LOCATION L0031674     VOLUME   460953.900 3777340.613 463.17
   LOCATION L0031675     VOLUME   460957.489 3777340.323 463.14
   LOCATION L0031676     VOLUME   460961.077 3777340.033 463.10
   LOCATION L0031677     VOLUME   460964.665 3777339.743 463.07
   LOCATION L0031678     VOLUME   460968.254 3777339.453 463.04
   LOCATION L0031679     VOLUME   460971.842 3777339.163 463.00
   LOCATION L0031680     VOLUME   460975.430 3777338.873 462.97
   LOCATION L0031681     VOLUME   460979.018 3777338.583 462.94
   LOCATION L0031682     VOLUME   460982.607 3777338.293 462.91
   LOCATION L0031683     VOLUME   460986.195 3777338.003 462.87
   LOCATION L0031684     VOLUME   460989.783 3777337.713 462.83
   LOCATION L0031685     VOLUME   460993.372 3777337.423 462.80
   LOCATION L0031686     VOLUME   460996.960 3777337.133 462.76
   LOCATION L0031687     VOLUME   461000.548 3777336.843 462.72
   LOCATION L0031688     VOLUME   461004.137 3777336.553 462.69
   LOCATION L0031689     VOLUME   461007.725 3777336.263 462.65
   LOCATION L0031690     VOLUME   461011.313 3777335.973 462.61
   LOCATION L0031691     VOLUME   461014.900 3777335.670 462.57
   LOCATION L0031692     VOLUME   461018.480 3777335.291 462.53
   LOCATION L0031693     VOLUME   461022.060 3777334.912 462.50
   LOCATION L0031694     VOLUME   461025.640 3777334.533 462.46
   LOCATION L0031695     VOLUME   461029.220 3777334.154 462.42
   LOCATION L0031696     VOLUME   461032.800 3777333.775 462.38
   LOCATION L0031697     VOLUME   461036.380 3777333.396 462.34
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LOCATION L0031698 VOLUME 461039.960 3777333.017 462.30
LOCATION L0031699 VOLUME 461043.540 3777332.638 462.26
LOCATION L0031700 VOLUME 461047.120 3777332.259 462.22
LOCATION L0031701 VOLUME 461050.700 3777331.880 462.18
LOCATION L0031702 VOLUME 461054.280 3777331.501 462.14
LOCATION L0031703 VOLUME 461057.860 3777331.122 462.10
LOCATION L0031704 VOLUME 461061.440 3777330.743 462.05
LOCATION L0031705 VOLUME 461065.020 3777330.364 462.00
LOCATION L0031706 VOLUME 461068.600 3777329.985 461.96
LOCATION L0031707 VOLUME 461072.180 3777329.606 461.91
LOCATION L0031708 VOLUME 461075.760 3777329.226 461.86
LOCATION L0031709 VOLUME 461079.325 3777328.731 461.81
LOCATION L0031710 VOLUME 461082.880 3777328.165 461.77
LOCATION L0031711 VOLUME 461086.435 3777327.599 461.72
LOCATION L0031712 VOLUME 461089.990 3777327.034 461.68
LOCATION L0031713 VOLUME 461093.546 3777326.468 461.63
LOCATION L0031714 VOLUME 461097.101 3777325.903 461.58
LOCATION L0031715 VOLUME 461100.656 3777325.337 461.53
LOCATION L0031716 VOLUME 461104.212 3777324.771 461.48
LOCATION L0031717 VOLUME 461107.767 3777324.206 461.43
LOCATION L0031718 VOLUME 461111.322 3777323.640 461.38
LOCATION L0031719 VOLUME 461114.877 3777323.075 461.32
LOCATION L0031720 VOLUME 461118.433 3777322.509 461.27
LOCATION L0031721 VOLUME 461121.988 3777321.943 461.22
LOCATION L0031722 VOLUME 461125.543 3777321.378 461.16
LOCATION L0031723 VOLUME 461129.099 3777320.812 461.11
LOCATION L0031724 VOLUME 461132.654 3777320.247 461.05
LOCATION L0031725 VOLUME 461136.209 3777319.681 461.00
LOCATION L0031726 VOLUME 461139.765 3777319.115 460.95
LOCATION L0031727 VOLUME 461143.281 3777318.381 460.90
LOCATION L0031728 VOLUME 461146.731 3777317.351 460.86
LOCATION L0031729 VOLUME 461150.181 3777316.322 460.82
LOCATION L0031730 VOLUME 461153.630 3777315.292 460.78
LOCATION L0031731 VOLUME 461157.080 3777314.262 460.74
LOCATION L0031732 VOLUME 461160.529 3777313.233 460.69
LOCATION L0031733 VOLUME 461163.979 3777312.203 460.68
LOCATION L0031734 VOLUME 461167.429 3777311.173 460.71
LOCATION L0031735 VOLUME 461170.878 3777310.143 460.74
LOCATION L0031736 VOLUME 461174.328 3777309.114 460.76
LOCATION L0031737 VOLUME 461177.777 3777308.084 460.78
LOCATION L0031738 VOLUME 461181.227 3777307.054 460.80
LOCATION L0031739 VOLUME 461184.676 3777306.024 460.81
LOCATION L0031740 VOLUME 461188.126 3777304.995 460.83
LOCATION L0031741 VOLUME 461191.573 3777303.957 460.85
LOCATION L0031742 VOLUME 461194.941 3777302.685 460.88
LOCATION L0031743 VOLUME 461198.308 3777301.413 460.90
LOCATION L0031744 VOLUME 461201.676 3777300.140 460.92
LOCATION L0031745 VOLUME 461205.044 3777298.868 460.93
LOCATION L0031746 VOLUME 461208.411 3777297.596 460.94
LOCATION L0031747 VOLUME 461211.779 3777296.324 460.95

LOCATION L0031748 VOLUME 461215.147 3777295.051 460.97
LOCATION L0031749 VOLUME 461218.515 3777293.779 460.98
LOCATION L0031750 VOLUME 461221.882 3777292.507 460.99
LOCATION L0031751 VOLUME 461225.250 3777291.235 460.99
LOCATION L0031752 VOLUME 461228.618 3777289.962 461.00
LOCATION L0031753 VOLUME 461231.985 3777288.690 461.00
LOCATION L0031754 VOLUME 461235.353 3777287.418 461.01
LOCATION L0031755 VOLUME 461238.721 3777286.146 461.02
LOCATION L0031756 VOLUME 461242.088 3777284.873 461.04
LOCATION L0031757 VOLUME 461245.456 3777283.601 461.06
LOCATION L0031758 VOLUME 461248.824 3777282.329 461.09
LOCATION L0031759 VOLUME 461252.192 3777281.057 461.11
LOCATION L0031760 VOLUME 461255.559 3777279.784 461.13
LOCATION L0031761 VOLUME 461258.971 3777278.656 461.14
LOCATION L0031762 VOLUME 461262.477 3777277.842 461.13
LOCATION L0031763 VOLUME 461265.984 3777277.028 461.16
LOCATION L0031764 VOLUME 461269.491 3777276.214 461.18
LOCATION L0031765 VOLUME 461272.998 3777275.400 461.21
LOCATION L0031766 VOLUME 461276.504 3777274.586 461.23
LOCATION L0031767 VOLUME 461280.011 3777273.772 461.25
LOCATION L0031768 VOLUME 461283.518 3777272.958 461.27
LOCATION L0031769 VOLUME 461287.025 3777272.144 461.29
LOCATION L0031770 VOLUME 461290.531 3777271.330 461.31
LOCATION L0031771 VOLUME 461294.038 3777270.516 461.34
LOCATION L0031772 VOLUME 461297.545 3777269.702 461.36
LOCATION L0031773 VOLUME 461301.094 3777269.156 461.38
LOCATION L0031774 VOLUME 461304.681 3777268.846 461.39
LOCATION L0031775 VOLUME 461308.268 3777268.536 461.39
LOCATION L0031776 VOLUME 461311.854 3777268.226 461.40
LOCATION L0031777 VOLUME 461315.441 3777267.916 461.41
LOCATION L0031778 VOLUME 461319.027 3777267.606 461.42
LOCATION L0031779 VOLUME 461322.614 3777267.296 461.43
LOCATION L0031780 VOLUME 461326.201 3777266.986 461.44
LOCATION L0031781 VOLUME 461329.787 3777266.676 461.45
LOCATION L0031782 VOLUME 461333.374 3777266.366 461.46
LOCATION L0031783 VOLUME 461336.961 3777266.056 461.47
LOCATION L0031784 VOLUME 461340.547 3777265.746 461.49
LOCATION L0031785 VOLUME 461344.134 3777265.436 461.54
LOCATION L0031786 VOLUME 461347.720 3777265.126 461.58
LOCATION L0031787 VOLUME 461351.307 3777264.817 461.62
LOCATION L0031788 VOLUME 461354.894 3777264.507 461.66
LOCATION L0031789 VOLUME 461358.480 3777264.197 461.70
LOCATION L0031790 VOLUME 461362.078 3777264.103 461.74
LOCATION L0031791 VOLUME 461365.678 3777264.043 461.78
LOCATION L0031792 VOLUME 461369.277 3777263.982 461.88
LOCATION L0031793 VOLUME 461372.877 3777263.921 461.98
LOCATION L0031794 VOLUME 461376.476 3777263.860 462.09
LOCATION L0031795 VOLUME 461380.076 3777263.800 462.19
LOCATION L0031796 VOLUME 461383.675 3777263.739 462.29
LOCATION L0031797 VOLUME 461387.275 3777263.678 462.39

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   LOCATION L0031798     VOLUME   461390.874 3777263.618 462.49
   LOCATION L0031799     VOLUME   461394.474 3777263.557 462.55
   LOCATION L0031800     VOLUME   461398.073 3777263.496 462.61
   LOCATION L0031801     VOLUME   461401.673 3777263.436 462.66
   LOCATION L0031802     VOLUME   461405.272 3777263.375 462.72
** End of LINE VOLUME Source ID = SLINE11
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Alder Ave - between SR-210 EB & WB Off-Ramps - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.000015
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
** 461428.280, 3777455.333, 465.43, 3.70, 1.67
** 461415.786, 3777452.432, 465.79, 3.70, 1.67
** 461409.316, 3777440.831, 465.63, 3.70, 1.67
** 461408.099, 3777262.651, 462.73, 3.70, 1.67
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   LOCATION L0031803     VOLUME   461426.526 3777454.926 465.62
   LOCATION L0031804     VOLUME   461423.019 3777454.112 465.74
   LOCATION L0031805     VOLUME   461419.513 3777453.298 465.85
   LOCATION L0031806     VOLUME   461416.006 3777452.483 465.91
   LOCATION L0031807     VOLUME   461414.143 3777449.485 465.85
   LOCATION L0031808     VOLUME   461412.389 3777446.341 465.79
   LOCATION L0031809     VOLUME   461410.636 3777443.197 465.74
   LOCATION L0031810     VOLUME   461409.310 3777439.940 465.70
   LOCATION L0031811     VOLUME   461409.286 3777436.340 465.68
   LOCATION L0031812     VOLUME   461409.261 3777432.740 465.59
   LOCATION L0031813     VOLUME   461409.236 3777429.141 465.44
   LOCATION L0031814     VOLUME   461409.212 3777425.541 465.28
   LOCATION L0031815     VOLUME   461409.187 3777421.941 465.13
   LOCATION L0031816     VOLUME   461409.163 3777418.341 464.98
   LOCATION L0031817     VOLUME   461409.138 3777414.741 464.82
   LOCATION L0031818     VOLUME   461409.113 3777411.141 464.67
   LOCATION L0031819     VOLUME   461409.089 3777407.541 464.52
   LOCATION L0031820     VOLUME   461409.064 3777403.941 464.36
   LOCATION L0031821     VOLUME   461409.040 3777400.341 463.72
   LOCATION L0031822     VOLUME   461409.015 3777396.741 463.08
   LOCATION L0031823     VOLUME   461408.990 3777393.141 462.44
   LOCATION L0031824     VOLUME   461408.966 3777389.541 461.80
   LOCATION L0031825     VOLUME   461408.941 3777385.942 461.16
   LOCATION L0031826     VOLUME   461408.917 3777382.342 460.52
   LOCATION L0031827     VOLUME   461408.892 3777378.742 459.88
   LOCATION L0031828     VOLUME   461408.867 3777375.142 459.24
   LOCATION L0031829     VOLUME   461408.843 3777371.542 458.81
   LOCATION L0031830     VOLUME   461408.818 3777367.942 458.64
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   LOCATION L0031831     VOLUME   461408.794 3777364.342 458.47
   LOCATION L0031832     VOLUME   461408.769 3777360.742 458.30
   LOCATION L0031833     VOLUME   461408.744 3777357.142 458.13
   LOCATION L0031834     VOLUME   461408.720 3777353.542 457.96
   LOCATION L0031835     VOLUME   461408.695 3777349.942 457.79
   LOCATION L0031836     VOLUME   461408.671 3777346.342 457.61
   LOCATION L0031837     VOLUME   461408.646 3777342.743 457.44
   LOCATION L0031838     VOLUME   461408.621 3777339.143 457.80
   LOCATION L0031839     VOLUME   461408.597 3777335.543 458.22
   LOCATION L0031840     VOLUME   461408.572 3777331.943 458.63
   LOCATION L0031841     VOLUME   461408.548 3777328.343 459.05
   LOCATION L0031842     VOLUME   461408.523 3777324.743 459.46
   LOCATION L0031843     VOLUME   461408.498 3777321.143 459.88
   LOCATION L0031844     VOLUME   461408.474 3777317.543 460.30
   LOCATION L0031845     VOLUME   461408.449 3777313.943 460.71
   LOCATION L0031846     VOLUME   461408.425 3777310.343 461.07
   LOCATION L0031847     VOLUME   461408.400 3777306.743 461.30
   LOCATION L0031848     VOLUME   461408.375 3777303.143 461.54
   LOCATION L0031849     VOLUME   461408.351 3777299.544 461.77
   LOCATION L0031850     VOLUME   461408.326 3777295.944 462.01
   LOCATION L0031851     VOLUME   461408.302 3777292.344 462.24
   LOCATION L0031852     VOLUME   461408.277 3777288.744 462.48
   LOCATION L0031853     VOLUME   461408.252 3777285.144 462.71
   LOCATION L0031854     VOLUME   461408.228 3777281.544 462.95
   LOCATION L0031855     VOLUME   461408.203 3777277.944 462.96
   LOCATION L0031856     VOLUME   461408.179 3777274.344 462.91
   LOCATION L0031857     VOLUME   461408.154 3777270.744 462.86
   LOCATION L0031858     VOLUME   461408.129 3777267.144 462.82
   LOCATION L0031859     VOLUME   461408.105 3777263.544 462.77
** End of LINE VOLUME Source ID = SLINE12
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC SR-210 EB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000437
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
** 461420.476, 3777262.974, 462.78, 3.70, 1.67
** 461487.598, 3777263.217, 460.49, 3.70, 1.67
** 461544.404, 3777267.360, 459.29, 3.70, 1.67
** 461627.246, 3777292.804, 457.46, 3.70, 1.67
** 461722.515, 3777317.657, 455.41, 3.70, 1.67
** 461788.789, 3777326.533, 454.78, 3.70, 1.67
** 461832.578, 3777330.083, 454.68, 3.70, 1.67
** 461918.970, 3777330.675, 454.04, 3.70, 1.67
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LOCATION L0031860 VOLUME 461422.276 3777262.981 462.70
LOCATION L0031861 VOLUME 461425.876 3777262.994 462.57
LOCATION L0031862 VOLUME 461429.476 3777263.007 462.45
LOCATION L0031863 VOLUME 461433.076 3777263.020 462.33
LOCATION L0031864 VOLUME 461436.676 3777263.033 462.20
LOCATION L0031865 VOLUME 461440.276 3777263.046 462.08
LOCATION L0031866 VOLUME 461443.876 3777263.059 461.94
LOCATION L0031867 VOLUME 461447.476 3777263.072 461.80
LOCATION L0031868 VOLUME 461451.076 3777263.085 461.66
LOCATION L0031869 VOLUME 461454.676 3777263.098 461.52
LOCATION L0031870 VOLUME 461458.276 3777263.111 461.38
LOCATION L0031871 VOLUME 461461.876 3777263.124 461.24
LOCATION L0031872 VOLUME 461465.476 3777263.137 461.10
LOCATION L0031873 VOLUME 461469.076 3777263.150 460.99
LOCATION L0031874 VOLUME 461472.676 3777263.163 460.93
LOCATION L0031875 VOLUME 461476.276 3777263.176 460.86
LOCATION L0031876 VOLUME 461479.876 3777263.189 460.79
LOCATION L0031877 VOLUME 461483.476 3777263.202 460.73
LOCATION L0031878 VOLUME 461487.076 3777263.216 460.66
LOCATION L0031879 VOLUME 461490.668 3777263.441 460.58
LOCATION L0031880 VOLUME 461494.258 3777263.703 460.50
LOCATION L0031881 VOLUME 461497.849 3777263.965 460.43
LOCATION L0031882 VOLUME 461501.439 3777264.227 460.35
LOCATION L0031883 VOLUME 461505.030 3777264.488 460.27
LOCATION L0031884 VOLUME 461508.620 3777264.750 460.19
LOCATION L0031885 VOLUME 461512.211 3777265.012 460.11
LOCATION L0031886 VOLUME 461515.801 3777265.274 460.04
LOCATION L0031887 VOLUME 461519.392 3777265.536 459.96
LOCATION L0031888 VOLUME 461522.982 3777265.798 459.89
LOCATION L0031889 VOLUME 461526.572 3777266.059 459.82
LOCATION L0031890 VOLUME 461530.163 3777266.321 459.75
LOCATION L0031891 VOLUME 461533.753 3777266.583 459.67
LOCATION L0031892 VOLUME 461537.344 3777266.845 459.60
LOCATION L0031893 VOLUME 461540.934 3777267.107 459.53
LOCATION L0031894 VOLUME 461544.520 3777267.395 459.46
LOCATION L0031895 VOLUME 461547.961 3777268.452 459.37
LOCATION L0031896 VOLUME 461551.402 3777269.509 459.27
LOCATION L0031897 VOLUME 461554.844 3777270.566 459.17
LOCATION L0031898 VOLUME 461558.285 3777271.623 459.08
LOCATION L0031899 VOLUME 461561.726 3777272.680 458.98
LOCATION L0031900 VOLUME 461565.168 3777273.737 458.88
LOCATION L0031901 VOLUME 461568.609 3777274.794 458.78
LOCATION L0031902 VOLUME 461572.050 3777275.851 458.68
LOCATION L0031903 VOLUME 461575.492 3777276.908 458.58
LOCATION L0031904 VOLUME 461578.933 3777277.965 458.47
LOCATION L0031905 VOLUME 461582.375 3777279.022 458.37
LOCATION L0031906 VOLUME 461585.816 3777280.079 458.26
LOCATION L0031907 VOLUME 461589.257 3777281.136 458.14
LOCATION L0031908 VOLUME 461592.699 3777282.193 458.03
LOCATION L0031909 VOLUME 461596.140 3777283.250 457.92

LOCATION L0031910 VOLUME 461599.581 3777284.307 457.82
LOCATION L0031911 VOLUME 461603.023 3777285.364 457.71
LOCATION L0031912 VOLUME 461606.464 3777286.421 457.61
LOCATION L0031913 VOLUME 461609.905 3777287.478 457.51
LOCATION L0031914 VOLUME 461613.347 3777288.535 457.41
LOCATION L0031915 VOLUME 461616.788 3777289.592 457.31
LOCATION L0031916 VOLUME 461620.229 3777290.649 457.21
LOCATION L0031917 VOLUME 461623.671 3777291.706 457.14
LOCATION L0031918 VOLUME 461627.112 3777292.763 457.08
LOCATION L0031919 VOLUME 461630.594 3777293.677 457.03
LOCATION L0031920 VOLUME 461634.077 3777294.586 456.97
LOCATION L0031921 VOLUME 461637.560 3777295.495 456.91
LOCATION L0031922 VOLUME 461641.044 3777296.403 456.84
LOCATION L0031923 VOLUME 461644.527 3777297.312 456.77
LOCATION L0031924 VOLUME 461648.011 3777298.221 456.71
LOCATION L0031925 VOLUME 461651.494 3777299.130 456.64
LOCATION L0031926 VOLUME 461654.978 3777300.038 456.57
LOCATION L0031927 VOLUME 461658.461 3777300.947 456.50
LOCATION L0031928 VOLUME 461661.944 3777301.856 456.41
LOCATION L0031929 VOLUME 461665.428 3777302.764 456.32
LOCATION L0031930 VOLUME 461668.911 3777303.673 456.22
LOCATION L0031931 VOLUME 461672.395 3777304.582 456.12
LOCATION L0031932 VOLUME 461675.878 3777305.491 456.02
LOCATION L0031933 VOLUME 461679.362 3777306.399 455.91
LOCATION L0031934 VOLUME 461682.845 3777307.308 455.80
LOCATION L0031935 VOLUME 461686.328 3777308.217 455.68
LOCATION L0031936 VOLUME 461689.812 3777309.125 455.56
LOCATION L0031937 VOLUME 461693.295 3777310.034 455.42
LOCATION L0031938 VOLUME 461696.779 3777310.943 455.35
LOCATION L0031939 VOLUME 461700.262 3777311.852 455.32
LOCATION L0031940 VOLUME 461703.746 3777312.760 455.31
LOCATION L0031941 VOLUME 461707.229 3777313.669 455.29
LOCATION L0031942 VOLUME 461710.712 3777314.578 455.28
LOCATION L0031943 VOLUME 461714.196 3777315.486 455.26
LOCATION L0031944 VOLUME 461717.679 3777316.395 455.24
LOCATION L0031945 VOLUME 461721.163 3777317.304 455.22
LOCATION L0031946 VOLUME 461724.698 3777317.949 455.21
LOCATION L0031947 VOLUME 461728.266 3777318.427 455.20
LOCATION L0031948 VOLUME 461731.834 3777318.905 455.18
LOCATION L0031949 VOLUME 461735.402 3777319.383 455.17
LOCATION L0031950 VOLUME 461738.970 3777319.861 455.16
LOCATION L0031951 VOLUME 461742.539 3777320.338 455.15
LOCATION L0031952 VOLUME 461746.107 3777320.816 455.13
LOCATION L0031953 VOLUME 461749.675 3777321.294 455.12
LOCATION L0031954 VOLUME 461753.243 3777321.772 455.10
LOCATION L0031955 VOLUME 461756.811 3777322.250 455.09
LOCATION L0031956 VOLUME 461760.379 3777322.728 455.07
LOCATION L0031957 VOLUME 461763.947 3777323.206 455.06
LOCATION L0031958 VOLUME 461767.516 3777323.684 455.04
LOCATION L0031959 VOLUME 461771.084 3777324.161 455.02

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   LOCATION L0031960     VOLUME   461774.652 3777324.639 455.00
   LOCATION L0031961     VOLUME   461778.220 3777325.117 455.01
   LOCATION L0031962     VOLUME   461781.788 3777325.595 455.01
   LOCATION L0031963     VOLUME   461785.356 3777326.073 455.01
   LOCATION L0031964     VOLUME   461788.925 3777326.544 455.02
   LOCATION L0031965     VOLUME   461792.513 3777326.835 455.02
   LOCATION L0031966     VOLUME   461796.102 3777327.126 455.02
   LOCATION L0031967     VOLUME   461799.690 3777327.417 455.02
   LOCATION L0031968     VOLUME   461803.278 3777327.708 455.03
   LOCATION L0031969     VOLUME   461806.866 3777327.998 455.04
   LOCATION L0031970     VOLUME   461810.455 3777328.289 455.05
   LOCATION L0031971     VOLUME   461814.043 3777328.580 455.05
   LOCATION L0031972     VOLUME   461817.631 3777328.871 455.05
   LOCATION L0031973     VOLUME   461821.219 3777329.162 455.05
   LOCATION L0031974     VOLUME   461824.807 3777329.453 455.05
   LOCATION L0031975     VOLUME   461828.396 3777329.744 455.04
   LOCATION L0031976     VOLUME   461831.984 3777330.035 455.01
   LOCATION L0031977     VOLUME   461835.582 3777330.104 455.00
   LOCATION L0031978     VOLUME   461839.182 3777330.128 454.99
   LOCATION L0031979     VOLUME   461842.782 3777330.153 454.98
   LOCATION L0031980     VOLUME   461846.382 3777330.178 454.97
   LOCATION L0031981     VOLUME   461849.982 3777330.202 454.97
   LOCATION L0031982     VOLUME   461853.581 3777330.227 454.95
   LOCATION L0031983     VOLUME   461857.181 3777330.252 454.92
   LOCATION L0031984     VOLUME   461860.781 3777330.276 454.89
   LOCATION L0031985     VOLUME   461864.381 3777330.301 454.87
   LOCATION L0031986     VOLUME   461867.981 3777330.326 454.84
   LOCATION L0031987     VOLUME   461871.581 3777330.350 454.81
   LOCATION L0031988     VOLUME   461875.181 3777330.375 454.78
   LOCATION L0031989     VOLUME   461878.781 3777330.400 454.75
   LOCATION L0031990     VOLUME   461882.381 3777330.424 454.72
   LOCATION L0031991     VOLUME   461885.981 3777330.449 454.69
   LOCATION L0031992     VOLUME   461889.581 3777330.474 454.66
   LOCATION L0031993     VOLUME   461893.180 3777330.498 454.63
   LOCATION L0031994     VOLUME   461896.780 3777330.523 454.60
   LOCATION L0031995     VOLUME   461900.380 3777330.548 454.57
   LOCATION L0031996     VOLUME   461903.980 3777330.572 454.54
   LOCATION L0031997     VOLUME   461907.580 3777330.597 454.51
   LOCATION L0031998     VOLUME   461911.180 3777330.622 454.48
   LOCATION L0031999     VOLUME   461914.780 3777330.646 454.45
   LOCATION L0032000     VOLUME   461918.380 3777330.671 454.42
** End of LINE VOLUME Source ID = SLINE13
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Alder Ave - between SR-210 EB and WB Off-Ramps - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000134
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** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 461420.699, 3777265.301, 462.84, 3.70, 1.67
** 461420.699, 3777448.034, 465.56, 3.70, 1.67
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   LOCATION L0032001     VOLUME   461420.699 3777267.101 462.80
   LOCATION L0032002     VOLUME   461420.699 3777270.701 462.84
   LOCATION L0032003     VOLUME   461420.699 3777274.301 462.89
   LOCATION L0032004     VOLUME   461420.699 3777277.901 462.93
   LOCATION L0032005     VOLUME   461420.699 3777281.501 462.92
   LOCATION L0032006     VOLUME   461420.699 3777285.101 462.68
   LOCATION L0032007     VOLUME   461420.699 3777288.701 462.44
   LOCATION L0032008     VOLUME   461420.699 3777292.301 462.20
   LOCATION L0032009     VOLUME   461420.699 3777295.901 461.96
   LOCATION L0032010     VOLUME   461420.699 3777299.501 461.72
   LOCATION L0032011     VOLUME   461420.699 3777303.101 461.48
   LOCATION L0032012     VOLUME   461420.699 3777306.701 461.24
   LOCATION L0032013     VOLUME   461420.699 3777310.301 461.00
   LOCATION L0032014     VOLUME   461420.699 3777313.901 460.65
   LOCATION L0032015     VOLUME   461420.699 3777317.501 460.22
   LOCATION L0032016     VOLUME   461420.699 3777321.101 459.80
   LOCATION L0032017     VOLUME   461420.699 3777324.701 459.38
   LOCATION L0032018     VOLUME   461420.699 3777328.301 458.96
   LOCATION L0032019     VOLUME   461420.699 3777331.901 458.53
   LOCATION L0032020     VOLUME   461420.699 3777335.501 458.11
   LOCATION L0032021     VOLUME   461420.699 3777339.101 457.69
   LOCATION L0032022     VOLUME   461420.699 3777342.701 457.33
   LOCATION L0032023     VOLUME   461420.699 3777346.301 457.51
   LOCATION L0032024     VOLUME   461420.699 3777349.901 457.69
   LOCATION L0032025     VOLUME   461420.699 3777353.501 457.87
   LOCATION L0032026     VOLUME   461420.699 3777357.101 458.05
   LOCATION L0032027     VOLUME   461420.699 3777360.701 458.23
   LOCATION L0032028     VOLUME   461420.699 3777364.301 458.41
   LOCATION L0032029     VOLUME   461420.699 3777367.901 458.60
   LOCATION L0032030     VOLUME   461420.699 3777371.501 458.78
   LOCATION L0032031     VOLUME   461420.699 3777375.101 459.22
   LOCATION L0032032     VOLUME   461420.699 3777378.701 459.87
   LOCATION L0032033     VOLUME   461420.699 3777382.301 460.53
   LOCATION L0032034     VOLUME   461420.699 3777385.901 461.18
   LOCATION L0032035     VOLUME   461420.699 3777389.501 461.84
   LOCATION L0032036     VOLUME   461420.699 3777393.101 462.49
   LOCATION L0032037     VOLUME   461420.699 3777396.701 463.15
   LOCATION L0032038     VOLUME   461420.699 3777400.301 463.80
   LOCATION L0032039     VOLUME   461420.699 3777403.901 464.46
   LOCATION L0032040     VOLUME   461420.699 3777407.501 464.61
   LOCATION L0032041     VOLUME   461420.699 3777411.101 464.76
   LOCATION L0032042     VOLUME   461420.699 3777414.701 464.90
   LOCATION L0032043     VOLUME   461420.699 3777418.301 465.05
   LOCATION L0032044     VOLUME   461420.699 3777421.901 465.19
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   LOCATION L0032045     VOLUME   461420.699 3777425.501 465.34
   LOCATION L0032046     VOLUME   461420.699 3777429.101 465.48
   LOCATION L0032047     VOLUME   461420.699 3777432.701 465.62
   LOCATION L0032048     VOLUME   461420.699 3777436.301 465.71
   LOCATION L0032049     VOLUME   461420.699 3777439.901 465.74
   LOCATION L0032050     VOLUME   461420.699 3777443.501 465.76
   LOCATION L0032051     VOLUME   461420.699 3777447.101 465.78
** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC SR-210 WB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000441
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461314.361, 3777452.749, 464.70, 3.70, 1.67
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** 461170.265, 3777412.554, 462.90, 3.70, 1.67
** 461093.288, 3777397.765, 464.15, 3.70, 1.67
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** 460899.138, 3777388.664, 464.68, 3.70, 1.67
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   LOCATION L0031119     VOLUME   461397.436 3777456.121 465.49
   LOCATION L0031120     VOLUME   461393.836 3777456.108 465.41
   LOCATION L0031121     VOLUME   461390.236 3777456.096 465.33
   LOCATION L0031122     VOLUME   461386.636 3777456.083 465.25
   LOCATION L0031123     VOLUME   461383.036 3777456.070 465.17
   LOCATION L0031124     VOLUME   461379.436 3777456.058 465.10
   LOCATION L0031125     VOLUME   461375.836 3777456.045 465.02
   LOCATION L0031126     VOLUME   461372.236 3777456.032 464.94
   LOCATION L0031127     VOLUME   461368.636 3777456.020 464.86
   LOCATION L0031128     VOLUME   461365.036 3777456.007 464.80
   LOCATION L0031129     VOLUME   461361.438 3777455.944 464.78
   LOCATION L0031130     VOLUME   461357.847 3777455.700 464.76
   LOCATION L0031131     VOLUME   461354.255 3777455.456 464.73
   LOCATION L0031132     VOLUME   461350.663 3777455.213 464.71
   LOCATION L0031133     VOLUME   461347.071 3777454.969 464.68
   LOCATION L0031134     VOLUME   461343.480 3777454.725 464.65
   LOCATION L0031135     VOLUME   461339.888 3777454.481 464.62
   LOCATION L0031136     VOLUME   461336.296 3777454.238 464.61
   LOCATION L0031137     VOLUME   461332.704 3777453.994 464.59
   LOCATION L0031138     VOLUME   461329.113 3777453.750 464.57
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LOCATION L0031141 VOLUME 461318.337 3777453.019 464.51
LOCATION L0031142 VOLUME 461314.746 3777452.775 464.49
LOCATION L0031143 VOLUME 461311.208 3777452.126 464.48
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LOCATION L0031146 VOLUME 461300.613 3777450.031 464.43
LOCATION L0031147 VOLUME 461297.081 3777449.333 464.40
LOCATION L0031148 VOLUME 461293.549 3777448.635 464.38
LOCATION L0031149 VOLUME 461290.018 3777447.937 464.34
LOCATION L0031150 VOLUME 461286.486 3777447.239 464.33
LOCATION L0031151 VOLUME 461282.954 3777446.541 464.31
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LOCATION L0031154 VOLUME 461272.611 3777443.454 464.18
LOCATION L0031155 VOLUME 461269.174 3777442.383 464.12
LOCATION L0031156 VOLUME 461265.737 3777441.312 464.06
LOCATION L0031157 VOLUME 461262.300 3777440.241 464.00
LOCATION L0031158 VOLUME 461258.863 3777439.169 463.97
LOCATION L0031159 VOLUME 461255.427 3777438.098 463.95
LOCATION L0031160 VOLUME 461251.990 3777437.027 463.91
LOCATION L0031161 VOLUME 461248.553 3777435.956 463.88
LOCATION L0031162 VOLUME 461245.116 3777434.884 463.84
LOCATION L0031163 VOLUME 461241.679 3777433.813 463.80
LOCATION L0031164 VOLUME 461238.242 3777432.742 463.76
LOCATION L0031165 VOLUME 461234.805 3777431.671 463.74
LOCATION L0031166 VOLUME 461231.368 3777430.599 463.72
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LOCATION L0031168 VOLUME 461224.494 3777428.457 463.67
LOCATION L0031169 VOLUME 461221.045 3777427.425 463.65
LOCATION L0031170 VOLUME 461217.590 3777426.413 463.62
LOCATION L0031171 VOLUME 461214.136 3777425.402 463.59
LOCATION L0031172 VOLUME 461210.681 3777424.390 463.55
LOCATION L0031173 VOLUME 461207.226 3777423.378 463.52
LOCATION L0031174 VOLUME 461203.771 3777422.366 463.49
LOCATION L0031175 VOLUME 461200.316 3777421.355 463.46
LOCATION L0031176 VOLUME 461196.861 3777420.343 463.43
LOCATION L0031177 VOLUME 461193.406 3777419.331 463.39
LOCATION L0031178 VOLUME 461189.951 3777418.319 463.36
LOCATION L0031179 VOLUME 461186.496 3777417.307 463.32
LOCATION L0031180 VOLUME 461183.042 3777416.296 463.29
LOCATION L0031181 VOLUME 461179.587 3777415.284 463.26
LOCATION L0031182 VOLUME 461176.132 3777414.272 463.23
LOCATION L0031183 VOLUME 461172.677 3777413.260 463.21
LOCATION L0031184 VOLUME 461169.198 3777412.349 463.19
LOCATION L0031185 VOLUME 461165.662 3777411.670 463.21
LOCATION L0031186 VOLUME 461162.127 3777410.990 463.22
LOCATION L0031187 VOLUME 461158.592 3777410.311 463.21
LOCATION L0031188 VOLUME 461155.056 3777409.632 463.19

LOCATION L0031189 VOLUME 461151.521 3777408.953 463.17
LOCATION L0031190 VOLUME 461147.986 3777408.274 463.16
LOCATION L0031191 VOLUME 461144.450 3777407.594 463.14
LOCATION L0031192 VOLUME 461140.915 3777406.915 463.12
LOCATION L0031193 VOLUME 461137.380 3777406.236 463.10
LOCATION L0031194 VOLUME 461133.844 3777405.557 463.09
LOCATION L0031195 VOLUME 461130.309 3777404.878 463.13
LOCATION L0031196 VOLUME 461126.774 3777404.198 463.17
LOCATION L0031197 VOLUME 461123.238 3777403.519 463.20
LOCATION L0031198 VOLUME 461119.703 3777402.840 463.24
LOCATION L0031199 VOLUME 461116.167 3777402.161 463.27
LOCATION L0031200 VOLUME 461112.632 3777401.482 463.30
LOCATION L0031201 VOLUME 461109.097 3777400.802 463.33
LOCATION L0031202 VOLUME 461105.561 3777400.123 463.39
LOCATION L0031203 VOLUME 461102.026 3777399.444 463.44
LOCATION L0031204 VOLUME 461098.491 3777398.765 463.49
LOCATION L0031205 VOLUME 461094.955 3777398.086 463.54
LOCATION L0031206 VOLUME 461091.403 3777397.510 463.59
LOCATION L0031207 VOLUME 461087.835 3777397.028 463.66
LOCATION L0031208 VOLUME 461084.268 3777396.546 463.72
LOCATION L0031209 VOLUME 461080.700 3777396.064 463.76
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LOCATION L0031211 VOLUME 461073.565 3777395.100 463.85
LOCATION L0031212 VOLUME 461069.998 3777394.618 463.89
LOCATION L0031213 VOLUME 461066.430 3777394.136 463.94
LOCATION L0031214 VOLUME 461062.862 3777393.654 463.98
LOCATION L0031215 VOLUME 461059.295 3777393.172 464.02
LOCATION L0031216 VOLUME 461055.727 3777392.689 464.04
LOCATION L0031217 VOLUME 461052.160 3777392.207 464.06
LOCATION L0031218 VOLUME 461048.569 3777392.018 464.10
LOCATION L0031219 VOLUME 461044.970 3777391.937 464.16
LOCATION L0031220 VOLUME 461041.371 3777391.857 464.22
LOCATION L0031221 VOLUME 461037.772 3777391.776 464.28
LOCATION L0031222 VOLUME 461034.173 3777391.695 464.34
LOCATION L0031223 VOLUME 461030.574 3777391.614 464.39
LOCATION L0031224 VOLUME 461026.975 3777391.534 464.42
LOCATION L0031225 VOLUME 461023.375 3777391.453 464.46
LOCATION L0031226 VOLUME 461019.776 3777391.372 464.50
LOCATION L0031227 VOLUME 461016.177 3777391.291 464.54
LOCATION L0031228 VOLUME 461012.578 3777391.210 464.58
LOCATION L0031229 VOLUME 461008.979 3777391.130 464.62
LOCATION L0031230 VOLUME 461005.380 3777391.049 464.65
LOCATION L0031231 VOLUME 461001.781 3777390.968 464.67
LOCATION L0031232 VOLUME 460998.182 3777390.887 464.69
LOCATION L0031233 VOLUME 460994.583 3777390.807 464.71
LOCATION L0031234 VOLUME 460990.984 3777390.726 464.74
LOCATION L0031235 VOLUME 460987.385 3777390.645 464.76
LOCATION L0031236 VOLUME 460983.785 3777390.564 464.78
LOCATION L0031237 VOLUME 460980.186 3777390.483 464.80
LOCATION L0031238 VOLUME 460976.587 3777390.403 464.81

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   LOCATION L0031239     VOLUME   460972.988 3777390.322 464.82
   LOCATION L0031240     VOLUME   460969.389 3777390.241 464.83
   LOCATION L0031241     VOLUME   460965.790 3777390.160 464.84
   LOCATION L0031242     VOLUME   460962.191 3777390.080 464.85
   LOCATION L0031243     VOLUME   460958.592 3777389.999 464.86
   LOCATION L0031244     VOLUME   460954.993 3777389.918 464.87
   LOCATION L0031245     VOLUME   460951.394 3777389.837 464.89
   LOCATION L0031246     VOLUME   460947.794 3777389.756 464.91
   LOCATION L0031247     VOLUME   460944.195 3777389.676 464.94
   LOCATION L0031248     VOLUME   460940.596 3777389.595 464.96
   LOCATION L0031249     VOLUME   460936.997 3777389.514 464.98
   LOCATION L0031250     VOLUME   460933.398 3777389.433 465.00
   LOCATION L0031251     VOLUME   460929.799 3777389.353 465.02
   LOCATION L0031252     VOLUME   460926.200 3777389.272 465.05
   LOCATION L0031253     VOLUME   460922.601 3777389.191 465.07
   LOCATION L0031254     VOLUME   460919.002 3777389.110 465.10
   LOCATION L0031255     VOLUME   460915.403 3777389.029 465.13
   LOCATION L0031256     VOLUME   460911.804 3777388.949 465.16
   LOCATION L0031257     VOLUME   460908.204 3777388.868 465.19
   LOCATION L0031258     VOLUME   460904.605 3777388.787 465.21
   LOCATION L0031259     VOLUME   460901.006 3777388.706 465.24
** End of LINE VOLUME Source ID = SLINE15
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.00012
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461409.287, 3777145.386, 460.25, 3.70, 1.67
** 461406.802, 3777064.261, 458.33, 3.70, 1.67
** 461403.367, 3776448.552, 445.66, 3.70, 1.67
** 461401.998, 3775830.108, 433.08, 3.70, 1.67
** 461404.732, 3775787.360, 431.96, 3.70, 1.67
** 461408.255, 3775767.888, 431.54, 3.70, 1.67
** 461411.350, 3775732.655, 430.92, 3.70, 1.67
** 461410.952, 3775681.342, 430.00, 3.70, 1.67
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   LOCATION L0032053     VOLUME   461407.707 3777256.695 462.68
   LOCATION L0032054     VOLUME   461407.758 3777253.095 462.63
   LOCATION L0032055     VOLUME   461407.809 3777249.495 462.58
   LOCATION L0032056     VOLUME   461407.861 3777245.896 462.51
   LOCATION L0032057     VOLUME   461407.912 3777242.296 462.43
   LOCATION L0032058     VOLUME   461407.963 3777238.696 462.36
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LOCATION L0032059 VOLUME 461408.014 3777235.097 462.28
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LOCATION L0032063 VOLUME 461408.218 3777220.698 461.98
LOCATION L0032064 VOLUME 461408.269 3777217.099 461.90
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LOCATION L0032066 VOLUME 461408.371 3777209.899 461.74
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LOCATION L0032068 VOLUME 461408.474 3777202.700 461.58
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LOCATION L0032071 VOLUME 461408.627 3777191.901 461.34
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LOCATION L0032077 VOLUME 461408.933 3777170.303 460.86
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LOCATION L0032080 VOLUME 461409.086 3777159.504 460.63
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LOCATION L0032082 VOLUME 461409.189 3777152.305 460.47
LOCATION L0032083 VOLUME 461409.240 3777148.706 460.38
LOCATION L0032084 VOLUME 461409.278 3777145.106 460.30
LOCATION L0032085 VOLUME 461409.168 3777141.508 460.21
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LOCATION L0032094 VOLUME 461408.176 3777109.123 459.54
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LOCATION L0032098 VOLUME 461407.735 3777094.730 459.25
LOCATION L0032099 VOLUME 461407.625 3777091.131 459.15
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LOCATION L0032148 VOLUME 461405.968 3776914.746 455.24
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LOCATION L0032151 VOLUME 461405.907 3776903.946 455.02
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LOCATION L0032157 VOLUME 461405.787 3776882.347 454.59
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LOCATION L0032172 VOLUME 461405.486 3776828.348 453.56
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LOCATION L0032174 VOLUME 461405.446 3776821.148 453.42
LOCATION L0032175 VOLUME 461405.425 3776817.548 453.35
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LOCATION L0032458 VOLUME 461403.999 3775798.819 432.31

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   LOCATION L0032464     VOLUME   461406.533 3775777.404 431.74
   LOCATION L0032465     VOLUME   461407.174 3775773.861 431.64
   LOCATION L0032466     VOLUME   461407.815 3775770.319 431.55
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   LOCATION L0032468     VOLUME   461408.669 3775763.177 431.38
   LOCATION L0032469     VOLUME   461408.984 3775759.590 431.30
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   LOCATION L0032476     VOLUME   461411.189 3775734.487 430.81
   LOCATION L0032477     VOLUME   461411.336 3775730.894 430.75
   LOCATION L0032478     VOLUME   461411.308 3775727.294 430.69
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   LOCATION L0032480     VOLUME   461411.252 3775720.094 430.56
   LOCATION L0032481     VOLUME   461411.224 3775716.495 430.50
   LOCATION L0032482     VOLUME   461411.197 3775712.895 430.43
   LOCATION L0032483     VOLUME   461411.169 3775709.295 430.37
   LOCATION L0032484     VOLUME   461411.141 3775705.695 430.33
   LOCATION L0032485     VOLUME   461411.113 3775702.095 430.28
   LOCATION L0032486     VOLUME   461411.085 3775698.495 430.24
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   LOCATION L0032489     VOLUME   461411.001 3775687.695 430.10
   LOCATION L0032490     VOLUME   461410.973 3775684.096 430.06
** End of LINE VOLUME Source ID = SLINE16
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.00012
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 12
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** 461418.862, 3777092.889, 459.22, 3.70, 1.67
** 461419.576, 3777038.127, 457.60, 3.70, 1.67
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - EB
** PREFIX
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** Configuration = Adjacent
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** Vertical Dimension = 6.22
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LOCATION L0033470 VOLUME 463363.826 3775674.564 421.58
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LOCATION L0033472 VOLUME 463371.025 3775674.520 421.55
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LOCATION L0033474 VOLUME 463378.225 3775674.476 421.51
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LOCATION L0033507 VOLUME 463497.023 3775673.753 420.81

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LOCATION L0033526 VOLUME 463565.422 3775673.490 420.44
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LOCATION L0033535 VOLUME 463597.822 3775673.543 420.26
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LOCATION L0033542 VOLUME 463623.022 3775673.584 420.08
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LOCATION L0033544 VOLUME 463630.222 3775673.595 420.00
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LOCATION L0033547 VOLUME 463641.022 3775673.613 419.90
LOCATION L0033548 VOLUME 463644.622 3775673.619 419.87
LOCATION L0033549 VOLUME 463648.222 3775673.625 419.85
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LOCATION L0033557 VOLUME 463677.022 3775673.663 419.62

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LOCATION L0033570 VOLUME 463723.822 3775673.507 419.31
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LOCATION L0033577 VOLUME 463749.022 3775673.423 419.18
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LOCATION L0033637 VOLUME 463965.020 3775672.706 417.77
LOCATION L0033638 VOLUME 463968.620 3775672.694 417.76
LOCATION L0033639 VOLUME 463972.220 3775672.682 417.74
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LOCATION L0033644 VOLUME 463990.220 3775672.622 417.68
LOCATION L0033645 VOLUME 463993.820 3775672.610 417.67
LOCATION L0033646 VOLUME 463997.420 3775672.598 417.66
LOCATION L0033647 VOLUME 464001.020 3775672.586 417.64
LOCATION L0033648 VOLUME 464004.620 3775672.574 417.63
LOCATION L0033649 VOLUME 464008.220 3775672.562 417.61
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LOCATION L0033651 VOLUME 464015.420 3775672.538 417.58
LOCATION L0033652 VOLUME 464019.020 3775672.526 417.56
LOCATION L0033653 VOLUME 464022.620 3775672.515 417.55
LOCATION L0033654 VOLUME 464026.220 3775672.503 417.53
LOCATION L0033655 VOLUME 464029.820 3775672.491 417.52
LOCATION L0033656 VOLUME 464033.420 3775672.479 417.50
LOCATION L0033657 VOLUME 464037.020 3775672.467 417.49

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   LOCATION L0033658     VOLUME   464040.620 3775672.455 417.48
   LOCATION L0033659     VOLUME   464042.829 3775673.870 417.51
   LOCATION L0033660     VOLUME   464042.908 3775677.469 417.63
   LOCATION L0033661     VOLUME   464042.988 3775681.068 417.74
** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - WB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.000352
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
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** 463910.999, 3775681.907, 418.19, 3.70, 1.67
** 463678.230, 3775684.211, 419.60, 3.70, 1.67
** 463374.288, 3775685.703, 421.72, 3.70, 1.67
** 463032.658, 3775687.058, 423.66, 3.70, 1.67
** 462832.289, 3775689.092, 424.94, 3.70, 1.67
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   LOCATION L0033664     VOLUME   464031.602 3775681.024 417.76
   LOCATION L0033665     VOLUME   464028.002 3775681.050 417.77
   LOCATION L0033666     VOLUME   464024.402 3775681.076 417.77
   LOCATION L0033667     VOLUME   464020.802 3775681.103 417.78
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   LOCATION L0033670     VOLUME   464010.002 3775681.182 417.82
   LOCATION L0033671     VOLUME   464006.403 3775681.208 417.83
   LOCATION L0033672     VOLUME   464002.803 3775681.235 417.84
   LOCATION L0033673     VOLUME   463999.203 3775681.261 417.85
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   LOCATION L0033676     VOLUME   463988.403 3775681.340 417.87
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   LOCATION L0033678     VOLUME   463981.203 3775681.393 417.88
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   LOCATION L0033680     VOLUME   463974.003 3775681.445 417.89
   LOCATION L0033681     VOLUME   463970.403 3775681.472 417.89
   LOCATION L0033682     VOLUME   463966.804 3775681.498 417.90
   LOCATION L0033683     VOLUME   463963.204 3775681.525 417.90
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LOCATION L0033685 VOLUME 463956.004 3775681.577 417.91
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   SRCPARAM L0034397     0.0000009385      3.70      1.67      2.89
   SRCPARAM L0034398     0.0000009385      3.70      1.67      2.89
   SRCPARAM L0034399     0.0000009385      3.70      1.67      2.89
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   SRCPARAM L0034410     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034411     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034412     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034413     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034414     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034415     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034416     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034417     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034418     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034419     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034420     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034421     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034422     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034423     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034424     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034425     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034426     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034427     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034428     0.0000002806      3.70      1.67      2.89
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   SRCPARAM L0034429     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034430     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034431     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034432     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034433     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034434     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034435     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034436     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034437     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034438     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034439     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034440     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034441     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034442     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034443     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034444     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034445     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034446     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034447     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034448     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034449     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034450     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034451     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034452     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034453     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034454     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034455     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034456     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034457     0.0000002806      3.70      1.67      2.89
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   SRCPARAM L0034459     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034460     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034461     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034462     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034463     0.0000002806      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0034464     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034465     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034466     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034467     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034468     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034469     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034470     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034471     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034472     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034473     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034474     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034475     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034476     0.0000004298      3.70      1.67      2.89
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SRCPARAM L0034477     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034478     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034479     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034480     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034481     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034482     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034483     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034484     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034485     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034486     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034487     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034488     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034489     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034490     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034491     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034492     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034493     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034494     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034495     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034496     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034497     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034498     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034499     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034500     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034501     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034502     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034503     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034504     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034505     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034506     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034507     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034508     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034509     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034510     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034511     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034512     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034513     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034514     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034515     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034516     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034517     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034518     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034519     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034520     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034521     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034522     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034523     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034524     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034525     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034526     0.0000004298      3.70      1.67      2.89
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   SRCPARAM L0034527     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034528     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034529     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034530     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034531     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034532     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034533     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034534     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034535     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034536     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034537     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034538     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034539     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034540     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034541     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034542     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034543     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034544     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034545     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034546     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034547     0.0000004298      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0034548     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034549     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034550     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034551     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034552     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034553     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034554     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034555     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034556     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034557     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034558     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034559     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034560     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034561     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034562     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034563     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034564     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034565     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034566     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034567     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034568     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034569     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034570     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034571     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034572     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034573     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034574     0.0000001843      3.70      1.67      2.89
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   SRCPARAM L0034575     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034576     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034577     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034578     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034579     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034580     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034581     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034582     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034583     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034584     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034585     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034586     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034587     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034588     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034589     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034590     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034591     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034592     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034593     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034594     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034595     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034596     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034597     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034598     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034599     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034600     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034601     0.0000001843      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0034602     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034603     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034604     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034605     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034606     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034607     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034608     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034609     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034610     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034611     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034612     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034613     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034614     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034615     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034616     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034617     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034618     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034619     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034620     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034621     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034622     0.0000002847      3.70      1.67      2.89
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SRCPARAM L0034623     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034624     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034625     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034626     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034627     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034628     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034629     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034630     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034631     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034632     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034633     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034634     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034635     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034636     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034637     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034638     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034639     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034640     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034641     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034642     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034643     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034644     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034645     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034646     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034647     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034648     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034649     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034650     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034651     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034652     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034653     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034654     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034655     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034656     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034657     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034658     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034659     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034660     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034661     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034662     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034663     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034664     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034665     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034666     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034667     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034668     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034669     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034670     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034671     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034672     0.0000002847      3.70      1.67      2.89
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   SRCPARAM L0034673     0.0000002847      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0031545     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031546     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031547     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031548     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031549     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031550     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031551     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031552     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031553     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031554     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031555     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031556     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031557     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031558     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031559     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031560     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031561     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031562     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031563     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031564     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031565     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031566     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031567     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031568     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031569     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031570     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031571     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031572     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031573     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031574     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031575     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031576     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031577     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031578     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031579     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031580     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031581     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031582     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031583     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031584     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031585     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031586     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031587     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031588     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031589     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031590     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031591     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031592     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031593     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031594     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031595     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031596     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031597     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031598     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031600     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031601     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031602     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031603     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031604     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031605     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031606     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031607     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031608     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031609     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031610     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031611     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031612     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031613     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031614     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031615     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031616     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031617     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031618     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031619     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031620     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031621     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031622     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031623     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031624     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031625     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031627     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031628     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031629     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031630     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031631     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031632     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031633     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031634     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031635     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031636     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031637     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031638     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031639     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031640     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031641     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031642     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031643     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031644     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031645     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031646     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031647     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031648     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031649     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031650     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031651     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031652     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031654     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031660     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031661     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031662     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031663     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031664     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031665     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031666     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031667     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031668     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031669     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031670     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031672     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031674     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031675     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031676     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031677     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031678     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031679     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031680     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031681     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031682     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031683     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031684     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031685     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031686     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031687     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031688     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031689     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031690     0.000000378      3.70      1.67      2.89
SRCPARAM L0031691     0.000000378      3.70      1.67      2.89
SRCPARAM L0031692     0.000000378      3.70      1.67      2.89
SRCPARAM L0031693     0.000000378      3.70      1.67      2.89
SRCPARAM L0031694     0.000000378      3.70      1.67      2.89
SRCPARAM L0031695     0.000000378      3.70      1.67      2.89
SRCPARAM L0031696     0.000000378      3.70      1.67      2.89
SRCPARAM L0031697     0.000000378      3.70      1.67      2.89
SRCPARAM L0031698     0.000000378      3.70      1.67      2.89
SRCPARAM L0031699     0.000000378      3.70      1.67      2.89
SRCPARAM L0031700     0.000000378      3.70      1.67      2.89
SRCPARAM L0031701     0.000000378      3.70      1.67      2.89
SRCPARAM L0031702     0.000000378      3.70      1.67      2.89
SRCPARAM L0031703     0.000000378      3.70      1.67      2.89
SRCPARAM L0031704     0.000000378      3.70      1.67      2.89
SRCPARAM L0031705     0.000000378      3.70      1.67      2.89
SRCPARAM L0031706     0.000000378      3.70      1.67      2.89
SRCPARAM L0031707     0.000000378      3.70      1.67      2.89
SRCPARAM L0031708     0.000000378      3.70      1.67      2.89
SRCPARAM L0031709     0.000000378      3.70      1.67      2.89
SRCPARAM L0031710     0.000000378      3.70      1.67      2.89
SRCPARAM L0031711     0.000000378      3.70      1.67      2.89
SRCPARAM L0031712     0.000000378      3.70      1.67      2.89
SRCPARAM L0031713     0.000000378      3.70      1.67      2.89
SRCPARAM L0031714     0.000000378      3.70      1.67      2.89
SRCPARAM L0031715     0.000000378      3.70      1.67      2.89
SRCPARAM L0031716     0.000000378      3.70      1.67      2.89
SRCPARAM L0031717     0.000000378      3.70      1.67      2.89
SRCPARAM L0031718     0.000000378      3.70      1.67      2.89
SRCPARAM L0031719     0.000000378      3.70      1.67      2.89
SRCPARAM L0031720     0.000000378      3.70      1.67      2.89
SRCPARAM L0031721     0.000000378      3.70      1.67      2.89
SRCPARAM L0031722     0.000000378      3.70      1.67      2.89
SRCPARAM L0031723     0.000000378      3.70      1.67      2.89
SRCPARAM L0031724     0.000000378      3.70      1.67      2.89
SRCPARAM L0031725     0.000000378      3.70      1.67      2.89
SRCPARAM L0031726     0.000000378      3.70      1.67      2.89
SRCPARAM L0031727     0.000000378      3.70      1.67      2.89
SRCPARAM L0031728     0.000000378      3.70      1.67      2.89
SRCPARAM L0031729     0.000000378      3.70      1.67      2.89
SRCPARAM L0031730     0.000000378      3.70      1.67      2.89
SRCPARAM L0031731     0.000000378      3.70      1.67      2.89
SRCPARAM L0031732     0.000000378      3.70      1.67      2.89
SRCPARAM L0031733     0.000000378      3.70      1.67      2.89
SRCPARAM L0031734     0.000000378      3.70      1.67      2.89
SRCPARAM L0031735     0.000000378      3.70      1.67      2.89
SRCPARAM L0031736     0.000000378      3.70      1.67      2.89
SRCPARAM L0031737     0.000000378      3.70      1.67      2.89
SRCPARAM L0031738     0.000000378      3.70      1.67      2.89
SRCPARAM L0031739     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031740     0.000000378      3.70      1.67      2.89
SRCPARAM L0031741     0.000000378      3.70      1.67      2.89
SRCPARAM L0031742     0.000000378      3.70      1.67      2.89
SRCPARAM L0031743     0.000000378      3.70      1.67      2.89
SRCPARAM L0031744     0.000000378      3.70      1.67      2.89
SRCPARAM L0031745     0.000000378      3.70      1.67      2.89
SRCPARAM L0031746     0.000000378      3.70      1.67      2.89
SRCPARAM L0031747     0.000000378      3.70      1.67      2.89
SRCPARAM L0031748     0.000000378      3.70      1.67      2.89
SRCPARAM L0031749     0.000000378      3.70      1.67      2.89
SRCPARAM L0031750     0.000000378      3.70      1.67      2.89
SRCPARAM L0031751     0.000000378      3.70      1.67      2.89
SRCPARAM L0031752     0.000000378      3.70      1.67      2.89
SRCPARAM L0031753     0.000000378      3.70      1.67      2.89
SRCPARAM L0031754     0.000000378      3.70      1.67      2.89
SRCPARAM L0031755     0.000000378      3.70      1.67      2.89
SRCPARAM L0031756     0.000000378      3.70      1.67      2.89
SRCPARAM L0031757     0.000000378      3.70      1.67      2.89
SRCPARAM L0031758     0.000000378      3.70      1.67      2.89
SRCPARAM L0031759     0.000000378      3.70      1.67      2.89
SRCPARAM L0031760     0.000000378      3.70      1.67      2.89
SRCPARAM L0031761     0.000000378      3.70      1.67      2.89
SRCPARAM L0031762     0.000000378      3.70      1.67      2.89
SRCPARAM L0031763     0.000000378      3.70      1.67      2.89
SRCPARAM L0031764     0.000000378      3.70      1.67      2.89
SRCPARAM L0031765     0.000000378      3.70      1.67      2.89
SRCPARAM L0031766     0.000000378      3.70      1.67      2.89
SRCPARAM L0031767     0.000000378      3.70      1.67      2.89
SRCPARAM L0031768     0.000000378      3.70      1.67      2.89
SRCPARAM L0031769     0.000000378      3.70      1.67      2.89
SRCPARAM L0031770     0.000000378      3.70      1.67      2.89
SRCPARAM L0031771     0.000000378      3.70      1.67      2.89
SRCPARAM L0031772     0.000000378      3.70      1.67      2.89
SRCPARAM L0031773     0.000000378      3.70      1.67      2.89
SRCPARAM L0031774     0.000000378      3.70      1.67      2.89
SRCPARAM L0031775     0.000000378      3.70      1.67      2.89
SRCPARAM L0031776     0.000000378      3.70      1.67      2.89
SRCPARAM L0031777     0.000000378      3.70      1.67      2.89
SRCPARAM L0031778     0.000000378      3.70      1.67      2.89
SRCPARAM L0031779     0.000000378      3.70      1.67      2.89
SRCPARAM L0031780     0.000000378      3.70      1.67      2.89
SRCPARAM L0031781     0.000000378      3.70      1.67      2.89
SRCPARAM L0031782     0.000000378      3.70      1.67      2.89
SRCPARAM L0031783     0.000000378      3.70      1.67      2.89
SRCPARAM L0031784     0.000000378      3.70      1.67      2.89
SRCPARAM L0031785     0.000000378      3.70      1.67      2.89
SRCPARAM L0031786     0.000000378      3.70      1.67      2.89
SRCPARAM L0031787     0.000000378      3.70      1.67      2.89
SRCPARAM L0031788     0.000000378      3.70      1.67      2.89
SRCPARAM L0031789     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031790     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031792     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031793     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031794     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031795     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031799     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031800     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031801     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031802     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031804     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031805     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031806     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031807     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031808     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031809     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031810     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031811     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031812     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031813     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031814     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031815     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031816     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031817     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031818     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031819     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031820     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031821     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031822     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031823     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031824     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031825     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031826     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031827     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031828     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031829     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031830     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031831     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031832     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031833     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031834     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031835     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031836     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031837     0.0000002632      3.70      1.67      2.89
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   SRCPARAM L0031838     0.0000002632      3.70      1.67      2.89
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   SRCPARAM L0031843     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031844     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031845     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031846     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031847     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031848     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031849     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031850     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031851     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031852     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031853     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031854     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031855     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031856     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031857     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031858     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031859     0.0000002632      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0031860     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031861     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031862     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031863     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031864     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031865     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031866     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031867     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031868     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031869     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031870     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031871     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031872     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031873     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031874     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031875     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031876     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031877     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031878     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031879     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031880     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031881     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031882     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031883     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031884     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031885     0.0000003099      3.70      1.67      2.89
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SRCPARAM L0031886     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031887     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031888     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031889     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031890     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031891     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031892     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031893     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031894     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031895     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031896     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031897     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031898     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031899     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031900     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031901     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031902     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031903     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031904     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031905     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031906     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031907     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031908     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031909     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031910     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031911     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031912     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031913     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031914     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031915     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031916     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031917     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031918     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031919     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031920     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031921     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031922     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031923     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031924     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031925     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031926     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031927     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031928     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031929     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031930     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031931     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031932     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031933     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031934     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031935     0.0000003099      3.70      1.67      2.89
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SRCPARAM L0031936     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031937     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031938     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031939     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031940     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031941     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031942     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031943     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031944     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031945     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031946     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031947     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031948     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031949     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031950     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031951     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031952     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031953     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031954     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031955     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031956     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031957     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031958     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031959     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031960     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031961     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031962     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031963     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031964     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031965     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031966     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031967     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031968     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031969     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031970     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031971     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031972     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031973     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031974     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031975     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031976     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031977     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031978     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031979     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031980     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031981     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031982     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031983     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031984     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031985     0.0000003099      3.70      1.67      2.89
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   SRCPARAM L0031986     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031987     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031988     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031989     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031990     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031991     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031992     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031993     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031994     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031995     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031996     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031997     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031998     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031999     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0032000     0.0000003099      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0032001     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032002     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032003     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032004     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032005     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032006     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032007     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032008     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032009     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032010     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032011     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032012     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032013     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032014     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032015     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032016     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032017     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032018     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032019     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032020     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032021     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032022     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032023     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032024     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032025     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032026     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032027     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032028     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032029     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032030     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032031     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032032     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032033     0.0000002627      3.70      1.67      2.89
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   SRCPARAM L0032034     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032035     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032036     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032037     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032038     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032039     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032040     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032041     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032042     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032043     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032044     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032045     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032046     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032047     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032048     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032049     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032050     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032051     0.0000002627      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0031118     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031119     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031120     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031121     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031122     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031123     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031124     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031125     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031126     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031127     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031128     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031129     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031130     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031131     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031132     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031133     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031134     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031135     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031136     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031137     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031138     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031139     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031140     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031141     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031142     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031143     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031144     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031145     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031146     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031147     0.0000003106      3.70      1.67      2.89
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SRCPARAM L0031148     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031149     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031150     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031151     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031152     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031153     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031154     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031155     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031156     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031157     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031158     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031159     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031160     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031161     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031162     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031163     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031164     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031165     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031166     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031167     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031168     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031169     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031170     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031171     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031172     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031173     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031174     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031175     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031176     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031177     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031178     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031179     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031180     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031181     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031182     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031183     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031184     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031185     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031186     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031187     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031188     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031189     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031190     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031191     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031192     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031193     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031194     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031195     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031196     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031197     0.0000003106      3.70      1.67      2.89
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SRCPARAM L0031198     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031199     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031200     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031201     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031202     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031203     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031204     0.0000003106      3.70      1.67      2.89
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SRCPARAM L0034342     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034343     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034344     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034345     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034346     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034347     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034348     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034349     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034350     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034351     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034352     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034353     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034354     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034355     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034356     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034357     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034358     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034359     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034360     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034361     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034362     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034363     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034364     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034365     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034366     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034367     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034368     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034369     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034370     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034371     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034372     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034373     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034374     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034375     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034376     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034377     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034378     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034379     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034380     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034381     0.0000004842      3.70      1.67      2.89
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   SRCPARAM L0034382     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034383     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034384     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034385     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034386     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034387     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034388     0.0000004842      3.70      1.67      2.89
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   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
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**
RE STARTING
   INCLUDED "Olive Grove Rialto.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
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** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Olive Grove Rialto.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "Olive Grove Rialto.AD\PE00GALL.PLT" 32
   SUMMFILE "Olive Grove Rialto.sum"
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 9/8/2021
** File: C:\Lakes\AERMOD View\Olive Grove Rialto\Olive Grove Rialto.ADI
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Olive Ave Operations - Unmitigated
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Olive Grove Rialto.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000122
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 464043.031, 3775683.535, 417.91, 3.70, 1.67
** 464042.115, 3775729.181, 419.03, 3.70, 1.67
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   LOCATION L0034389     VOLUME   464042.995 3775685.334 417.88
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   LOCATION L0034390     VOLUME   464042.923 3775688.934 417.99
   LOCATION L0034391     VOLUME   464042.850 3775692.533 418.11
   LOCATION L0034392     VOLUME   464042.778 3775696.132 418.22
   LOCATION L0034393     VOLUME   464042.706 3775699.732 418.33
   LOCATION L0034394     VOLUME   464042.634 3775703.331 418.41
   LOCATION L0034395     VOLUME   464042.561 3775706.930 418.49
   LOCATION L0034396     VOLUME   464042.489 3775710.529 418.57
   LOCATION L0034397     VOLUME   464042.417 3775714.129 418.65
   LOCATION L0034398     VOLUME   464042.345 3775717.728 418.73
   LOCATION L0034399     VOLUME   464042.272 3775721.327 418.81
   LOCATION L0034400     VOLUME   464042.200 3775724.926 418.89
   LOCATION L0034401     VOLUME   464042.128 3775728.526 418.97
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Movement Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000174
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 464042.089, 3775729.299, 419.03, 3.70, 1.67
** 464053.951, 3775732.582, 419.01, 3.70, 1.67
** 464063.689, 3775737.147, 418.96, 3.70, 1.67
** 464069.776, 3775748.103, 419.02, 3.70, 1.67
** 464071.298, 3775760.580, 419.11, 3.70, 1.67
** 464071.298, 3775783.101, 418.89, 3.70, 1.67
** 464072.210, 3775936.574, 421.87, 3.70, 1.67
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   LOCATION L0034402     VOLUME   464043.824 3775729.779 419.00
   LOCATION L0034403     VOLUME   464047.293 3775730.739 419.03
   LOCATION L0034404     VOLUME   464050.763 3775731.699 419.03
   LOCATION L0034405     VOLUME   464054.216 3775732.706 419.03
   LOCATION L0034406     VOLUME   464057.475 3775734.234 419.04
   LOCATION L0034407     VOLUME   464060.735 3775735.762 419.04
   LOCATION L0034408     VOLUME   464063.853 3775737.441 419.03
   LOCATION L0034409     VOLUME   464065.601 3775740.588 419.05
   LOCATION L0034410     VOLUME   464067.350 3775743.735 419.07
   LOCATION L0034411     VOLUME   464069.098 3775746.882 419.08
   LOCATION L0034412     VOLUME   464070.043 3775750.290 419.09
   LOCATION L0034413     VOLUME   464070.479 3775753.864 419.12
   LOCATION L0034414     VOLUME   464070.914 3775757.437 419.14
   LOCATION L0034415     VOLUME   464071.298 3775761.014 419.16
   LOCATION L0034416     VOLUME   464071.298 3775764.614 419.12
   LOCATION L0034417     VOLUME   464071.298 3775768.214 419.08
   LOCATION L0034418     VOLUME   464071.298 3775771.814 419.05
   LOCATION L0034419     VOLUME   464071.298 3775775.414 419.01
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   LOCATION L0034420     VOLUME   464071.298 3775779.014 418.97
   LOCATION L0034421     VOLUME   464071.298 3775782.614 418.93
   LOCATION L0034422     VOLUME   464071.316 3775786.214 418.89
   LOCATION L0034423     VOLUME   464071.338 3775789.814 418.86
   LOCATION L0034424     VOLUME   464071.359 3775793.414 418.85
   LOCATION L0034425     VOLUME   464071.380 3775797.014 418.89
   LOCATION L0034426     VOLUME   464071.402 3775800.614 418.92
   LOCATION L0034427     VOLUME   464071.423 3775804.214 418.96
   LOCATION L0034428     VOLUME   464071.445 3775807.814 419.00
   LOCATION L0034429     VOLUME   464071.466 3775811.413 419.03
   LOCATION L0034430     VOLUME   464071.487 3775815.013 419.07
   LOCATION L0034431     VOLUME   464071.509 3775818.613 419.10
   LOCATION L0034432     VOLUME   464071.530 3775822.213 419.14
   LOCATION L0034433     VOLUME   464071.552 3775825.813 419.19
   LOCATION L0034434     VOLUME   464071.573 3775829.413 419.25
   LOCATION L0034435     VOLUME   464071.594 3775833.013 419.30
   LOCATION L0034436     VOLUME   464071.616 3775836.613 419.36
   LOCATION L0034437     VOLUME   464071.637 3775840.213 419.41
   LOCATION L0034438     VOLUME   464071.659 3775843.813 419.46
   LOCATION L0034439     VOLUME   464071.680 3775847.413 419.52
   LOCATION L0034440     VOLUME   464071.701 3775851.013 419.57
   LOCATION L0034441     VOLUME   464071.723 3775854.613 419.63
   LOCATION L0034442     VOLUME   464071.744 3775858.213 419.68
   LOCATION L0034443     VOLUME   464071.765 3775861.813 419.73
   LOCATION L0034444     VOLUME   464071.787 3775865.413 419.78
   LOCATION L0034445     VOLUME   464071.808 3775869.012 419.83
   LOCATION L0034446     VOLUME   464071.830 3775872.612 419.89
   LOCATION L0034447     VOLUME   464071.851 3775876.212 419.94
   LOCATION L0034448     VOLUME   464071.872 3775879.812 419.99
   LOCATION L0034449     VOLUME   464071.894 3775883.412 420.04
   LOCATION L0034450     VOLUME   464071.915 3775887.012 420.14
   LOCATION L0034451     VOLUME   464071.937 3775890.612 420.24
   LOCATION L0034452     VOLUME   464071.958 3775894.212 420.35
   LOCATION L0034453     VOLUME   464071.979 3775897.812 420.45
   LOCATION L0034454     VOLUME   464072.001 3775901.412 420.56
   LOCATION L0034455     VOLUME   464072.022 3775905.012 420.66
   LOCATION L0034456     VOLUME   464072.044 3775908.612 420.77
   LOCATION L0034457     VOLUME   464072.065 3775912.212 420.87
   LOCATION L0034458     VOLUME   464072.086 3775915.812 420.98
   LOCATION L0034459     VOLUME   464072.108 3775919.412 421.11
   LOCATION L0034460     VOLUME   464072.129 3775923.012 421.23
   LOCATION L0034461     VOLUME   464072.151 3775926.611 421.36
   LOCATION L0034462     VOLUME   464072.172 3775930.211 421.48
   LOCATION L0034463     VOLUME   464072.193 3775933.811 421.60
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-Site Movement - Bldg 1
** PREFIX
```

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** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000361
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
** 464041.559, 3775728.892, 419.03, 3.70, 1.67
** 464025.852, 3775732.810, 419.00, 3.70, 1.67
** 464017.816, 3775735.565, 419.03, 3.70, 1.67
** 464010.382, 3775740.343, 419.11, 3.70, 1.67
** 464005.368, 3775745.357, 419.15, 3.70, 1.67
** 464002.861, 3775753.952, 419.48, 3.70, 1.67
** 464002.145, 3775775.441, 419.80, 3.70, 1.67
** 464001.478, 3776005.610, 423.26, 3.70, 1.67
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   LOCATION L0034464     VOLUME   464039.812 3775729.328 418.99
   LOCATION L0034465     VOLUME   464036.319 3775730.199 419.01
   LOCATION L0034466     VOLUME   464032.826 3775731.070 419.02
   LOCATION L0034467     VOLUME   464029.333 3775731.942 419.03
   LOCATION L0034468     VOLUME   464025.841 3775732.814 419.04
   LOCATION L0034469     VOLUME   464022.435 3775733.982 419.06
   LOCATION L0034470     VOLUME   464019.030 3775735.149 419.08
   LOCATION L0034471     VOLUME   464015.867 3775736.818 419.12
   LOCATION L0034472     VOLUME   464012.838 3775738.764 419.16
   LOCATION L0034473     VOLUME   464009.901 3775740.824 419.20
   LOCATION L0034474     VOLUME   464007.356 3775743.369 419.24
   LOCATION L0034475     VOLUME   464005.147 3775746.114 419.28
   LOCATION L0034476     VOLUME   464004.139 3775749.570 419.34
   LOCATION L0034477     VOLUME   464003.131 3775753.026 419.39
   LOCATION L0034478     VOLUME   464002.773 3775756.586 419.44
   LOCATION L0034479     VOLUME   464002.653 3775760.184 419.50
   LOCATION L0034480     VOLUME   464002.533 3775763.782 419.54
   LOCATION L0034481     VOLUME   464002.413 3775767.380 419.59
   LOCATION L0034482     VOLUME   464002.293 3775770.978 419.63
   LOCATION L0034483     VOLUME   464002.173 3775774.576 419.67
   LOCATION L0034484     VOLUME   464002.137 3775778.176 419.72
   LOCATION L0034485     VOLUME   464002.126 3775781.776 419.76
   LOCATION L0034486     VOLUME   464002.116 3775785.376 419.81
   LOCATION L0034487     VOLUME   464002.105 3775788.976 419.85
   LOCATION L0034488     VOLUME   464002.095 3775792.576 419.89
   LOCATION L0034489     VOLUME   464002.085 3775796.176 419.94
   LOCATION L0034490     VOLUME   464002.074 3775799.776 419.99
   LOCATION L0034491     VOLUME   464002.064 3775803.376 420.05
   LOCATION L0034492     VOLUME   464002.053 3775806.976 420.10
   LOCATION L0034493     VOLUME   464002.043 3775810.576 420.15
   LOCATION L0034494     VOLUME   464002.032 3775814.176 420.20
   LOCATION L0034495     VOLUME   464002.022 3775817.776 420.25
   LOCATION L0034496     VOLUME   464002.012 3775821.376 420.30
   LOCATION L0034497     VOLUME   464002.001 3775824.976 420.35
   LOCATION L0034498     VOLUME   464001.991 3775828.576 420.42
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   LOCATION L0034499     VOLUME   464001.980 3775832.176 420.48
   LOCATION L0034500     VOLUME   464001.970 3775835.776 420.54
   LOCATION L0034501     VOLUME   464001.959 3775839.376 420.60
   LOCATION L0034502     VOLUME   464001.949 3775842.976 420.67
   LOCATION L0034503     VOLUME   464001.938 3775846.575 420.73
   LOCATION L0034504     VOLUME   464001.928 3775850.175 420.79
   LOCATION L0034505     VOLUME   464001.918 3775853.775 420.85
   LOCATION L0034506     VOLUME   464001.907 3775857.375 420.91
   LOCATION L0034507     VOLUME   464001.897 3775860.975 420.96
   LOCATION L0034508     VOLUME   464001.886 3775864.575 421.01
   LOCATION L0034509     VOLUME   464001.876 3775868.175 421.06
   LOCATION L0034510     VOLUME   464001.865 3775871.775 421.11
   LOCATION L0034511     VOLUME   464001.855 3775875.375 421.16
   LOCATION L0034512     VOLUME   464001.845 3775878.975 421.21
   LOCATION L0034513     VOLUME   464001.834 3775882.575 421.27
   LOCATION L0034514     VOLUME   464001.824 3775886.175 421.32
   LOCATION L0034515     VOLUME   464001.813 3775889.775 421.37
   LOCATION L0034516     VOLUME   464001.803 3775893.375 421.43
   LOCATION L0034517     VOLUME   464001.792 3775896.975 421.48
   LOCATION L0034518     VOLUME   464001.782 3775900.575 421.54
   LOCATION L0034519     VOLUME   464001.772 3775904.175 421.59
   LOCATION L0034520     VOLUME   464001.761 3775907.775 421.64
   LOCATION L0034521     VOLUME   464001.751 3775911.375 421.70
   LOCATION L0034522     VOLUME   464001.740 3775914.975 421.75
   LOCATION L0034523     VOLUME   464001.730 3775918.575 421.82
   LOCATION L0034524     VOLUME   464001.719 3775922.175 421.89
   LOCATION L0034525     VOLUME   464001.709 3775925.775 421.96
   LOCATION L0034526     VOLUME   464001.698 3775929.375 422.03
   LOCATION L0034527     VOLUME   464001.688 3775932.975 422.10
   LOCATION L0034528     VOLUME   464001.678 3775936.575 422.17
   LOCATION L0034529     VOLUME   464001.667 3775940.175 422.24
   LOCATION L0034530     VOLUME   464001.657 3775943.775 422.31
   LOCATION L0034531     VOLUME   464001.646 3775947.375 422.39
   LOCATION L0034532     VOLUME   464001.636 3775950.975 422.46
   LOCATION L0034533     VOLUME   464001.625 3775954.575 422.54
   LOCATION L0034534     VOLUME   464001.615 3775958.175 422.61
   LOCATION L0034535     VOLUME   464001.605 3775961.775 422.69
   LOCATION L0034536     VOLUME   464001.594 3775965.375 422.76
   LOCATION L0034537     VOLUME   464001.584 3775968.975 422.84
   LOCATION L0034538     VOLUME   464001.573 3775972.575 422.91
   LOCATION L0034539     VOLUME   464001.563 3775976.175 422.99
   LOCATION L0034540     VOLUME   464001.552 3775979.775 423.03
   LOCATION L0034541     VOLUME   464001.542 3775983.375 423.06
   LOCATION L0034542     VOLUME   464001.532 3775986.975 423.09
   LOCATION L0034543     VOLUME   464001.521 3775990.575 423.11
   LOCATION L0034544     VOLUME   464001.511 3775994.175 423.14
   LOCATION L0034545     VOLUME   464001.500 3775997.775 423.17
   LOCATION L0034546     VOLUME   464001.490 3776001.375 423.20
   LOCATION L0034547     VOLUME   464001.479 3776004.975 423.23
** End of LINE VOLUME Source ID = SLINE7
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** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC On-Site Idling - Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 9.95E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 464091.884, 3775933.047, 422.01, 3.70, 1.67
** 464090.695, 3775737.363, 418.70, 3.70, 1.67
** ----------------------------------------------------------------
   LOCATION L0034548     VOLUME   464091.874 3775931.247 421.74
   LOCATION L0034549     VOLUME   464091.852 3775927.647 421.67
   LOCATION L0034550     VOLUME   464091.830 3775924.047 421.60
   LOCATION L0034551     VOLUME   464091.808 3775920.447 421.54
   LOCATION L0034552     VOLUME   464091.786 3775916.847 421.47
   LOCATION L0034553     VOLUME   464091.764 3775913.247 421.39
   LOCATION L0034554     VOLUME   464091.742 3775909.647 421.29
   LOCATION L0034555     VOLUME   464091.720 3775906.047 421.20
   LOCATION L0034556     VOLUME   464091.698 3775902.447 421.11
   LOCATION L0034557     VOLUME   464091.677 3775898.848 421.02
   LOCATION L0034558     VOLUME   464091.655 3775895.248 420.92
   LOCATION L0034559     VOLUME   464091.633 3775891.648 420.83
   LOCATION L0034560     VOLUME   464091.611 3775888.048 420.74
   LOCATION L0034561     VOLUME   464091.589 3775884.448 420.64
   LOCATION L0034562     VOLUME   464091.567 3775880.848 420.57
   LOCATION L0034563     VOLUME   464091.545 3775877.248 420.49
   LOCATION L0034564     VOLUME   464091.523 3775873.648 420.42
   LOCATION L0034565     VOLUME   464091.502 3775870.048 420.34
   LOCATION L0034566     VOLUME   464091.480 3775866.448 420.27
   LOCATION L0034567     VOLUME   464091.458 3775862.848 420.19
   LOCATION L0034568     VOLUME   464091.436 3775859.248 420.12
   LOCATION L0034569     VOLUME   464091.414 3775855.648 420.04
   LOCATION L0034570     VOLUME   464091.392 3775852.048 419.96
   LOCATION L0034571     VOLUME   464091.370 3775848.448 419.88
   LOCATION L0034572     VOLUME   464091.348 3775844.849 419.79
   LOCATION L0034573     VOLUME   464091.326 3775841.249 419.70
   LOCATION L0034574     VOLUME   464091.305 3775837.649 419.61
   LOCATION L0034575     VOLUME   464091.283 3775834.049 419.52
   LOCATION L0034576     VOLUME   464091.261 3775830.449 419.43
   LOCATION L0034577     VOLUME   464091.239 3775826.849 419.35
   LOCATION L0034578     VOLUME   464091.217 3775823.249 419.26
   LOCATION L0034579     VOLUME   464091.195 3775819.649 419.16
   LOCATION L0034580     VOLUME   464091.173 3775816.049 419.06
   LOCATION L0034581     VOLUME   464091.151 3775812.449 418.97
   LOCATION L0034582     VOLUME   464091.129 3775808.849 418.87
   LOCATION L0034583     VOLUME   464091.108 3775805.249 418.77
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   LOCATION L0034584     VOLUME   464091.086 3775801.649 418.67
   LOCATION L0034585     VOLUME   464091.064 3775798.049 418.57
   LOCATION L0034586     VOLUME   464091.042 3775794.449 418.48
   LOCATION L0034587     VOLUME   464091.020 3775790.850 418.41
   LOCATION L0034588     VOLUME   464090.998 3775787.250 418.43
   LOCATION L0034589     VOLUME   464090.976 3775783.650 418.46
   LOCATION L0034590     VOLUME   464090.954 3775780.050 418.48
   LOCATION L0034591     VOLUME   464090.933 3775776.450 418.50
   LOCATION L0034592     VOLUME   464090.911 3775772.850 418.53
   LOCATION L0034593     VOLUME   464090.889 3775769.250 418.55
   LOCATION L0034594     VOLUME   464090.867 3775765.650 418.58
   LOCATION L0034595     VOLUME   464090.845 3775762.050 418.60
   LOCATION L0034596     VOLUME   464090.823 3775758.450 418.62
   LOCATION L0034597     VOLUME   464090.801 3775754.850 418.64
   LOCATION L0034598     VOLUME   464090.779 3775751.250 418.67
   LOCATION L0034599     VOLUME   464090.757 3775747.650 418.69
   LOCATION L0034600     VOLUME   464090.736 3775744.050 418.71
   LOCATION L0034601     VOLUME   464090.714 3775740.450 418.73
** End of LINE VOLUME Source ID = SLINE8
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC On-Site Idling - Bldg 1
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000205
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 463981.850, 3776005.610, 423.27, 3.70, 1.67
** 463982.444, 3775745.096, 419.15, 3.70, 1.67
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   LOCATION L0034602     VOLUME   463981.854 3776003.810 423.24
   LOCATION L0034603     VOLUME   463981.862 3776000.210 423.19
   LOCATION L0034604     VOLUME   463981.870 3775996.610 423.15
   LOCATION L0034605     VOLUME   463981.878 3775993.010 423.10
   LOCATION L0034606     VOLUME   463981.887 3775989.410 423.06
   LOCATION L0034607     VOLUME   463981.895 3775985.810 423.01
   LOCATION L0034608     VOLUME   463981.903 3775982.210 422.97
   LOCATION L0034609     VOLUME   463981.911 3775978.610 422.92
   LOCATION L0034610     VOLUME   463981.920 3775975.010 422.86
   LOCATION L0034611     VOLUME   463981.928 3775971.410 422.79
   LOCATION L0034612     VOLUME   463981.936 3775967.810 422.72
   LOCATION L0034613     VOLUME   463981.944 3775964.210 422.65
   LOCATION L0034614     VOLUME   463981.952 3775960.611 422.58
   LOCATION L0034615     VOLUME   463981.961 3775957.011 422.51
   LOCATION L0034616     VOLUME   463981.969 3775953.411 422.44
   LOCATION L0034617     VOLUME   463981.977 3775949.811 422.37
   LOCATION L0034618     VOLUME   463981.985 3775946.211 422.30
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LOCATION L0034619 VOLUME 463981.994 3775942.611 422.24
LOCATION L0034620 VOLUME 463982.002 3775939.011 422.17
LOCATION L0034621 VOLUME 463982.010 3775935.411 422.10
LOCATION L0034622 VOLUME 463982.018 3775931.811 422.04
LOCATION L0034623 VOLUME 463982.026 3775928.211 421.97
LOCATION L0034624 VOLUME 463982.035 3775924.611 421.90
LOCATION L0034625 VOLUME 463982.043 3775921.011 421.84
LOCATION L0034626 VOLUME 463982.051 3775917.411 421.77
LOCATION L0034627 VOLUME 463982.059 3775913.811 421.71
LOCATION L0034628 VOLUME 463982.068 3775910.211 421.65
LOCATION L0034629 VOLUME 463982.076 3775906.611 421.60
LOCATION L0034630 VOLUME 463982.084 3775903.011 421.54
LOCATION L0034631 VOLUME 463982.092 3775899.411 421.49
LOCATION L0034632 VOLUME 463982.100 3775895.811 421.43
LOCATION L0034633 VOLUME 463982.109 3775892.211 421.38
LOCATION L0034634 VOLUME 463982.117 3775888.611 421.32
LOCATION L0034635 VOLUME 463982.125 3775885.011 421.27
LOCATION L0034636 VOLUME 463982.133 3775881.411 421.21
LOCATION L0034637 VOLUME 463982.141 3775877.811 421.16
LOCATION L0034638 VOLUME 463982.150 3775874.211 421.10
LOCATION L0034639 VOLUME 463982.158 3775870.611 421.05
LOCATION L0034640 VOLUME 463982.166 3775867.011 420.99
LOCATION L0034641 VOLUME 463982.174 3775863.411 420.94
LOCATION L0034642 VOLUME 463982.183 3775859.811 420.88
LOCATION L0034643 VOLUME 463982.191 3775856.211 420.83
LOCATION L0034644 VOLUME 463982.199 3775852.611 420.77
LOCATION L0034645 VOLUME 463982.207 3775849.011 420.71
LOCATION L0034646 VOLUME 463982.215 3775845.411 420.64
LOCATION L0034647 VOLUME 463982.224 3775841.811 420.58
LOCATION L0034648 VOLUME 463982.232 3775838.211 420.51
LOCATION L0034649 VOLUME 463982.240 3775834.611 420.45
LOCATION L0034650 VOLUME 463982.248 3775831.011 420.38
LOCATION L0034651 VOLUME 463982.257 3775827.411 420.32
LOCATION L0034652 VOLUME 463982.265 3775823.811 420.26
LOCATION L0034653 VOLUME 463982.273 3775820.211 420.20
LOCATION L0034654 VOLUME 463982.281 3775816.611 420.14
LOCATION L0034655 VOLUME 463982.289 3775813.011 420.09
LOCATION L0034656 VOLUME 463982.298 3775809.411 420.03
LOCATION L0034657 VOLUME 463982.306 3775805.811 419.98
LOCATION L0034658 VOLUME 463982.314 3775802.211 419.92
LOCATION L0034659 VOLUME 463982.322 3775798.611 419.87
LOCATION L0034660 VOLUME 463982.331 3775795.011 419.81
LOCATION L0034661 VOLUME 463982.339 3775791.411 419.76
LOCATION L0034662 VOLUME 463982.347 3775787.811 419.72
LOCATION L0034663 VOLUME 463982.355 3775784.211 419.69
LOCATION L0034664 VOLUME 463982.363 3775780.611 419.65
LOCATION L0034665 VOLUME 463982.372 3775777.011 419.61
LOCATION L0034666 VOLUME 463982.380 3775773.411 419.58
LOCATION L0034667 VOLUME 463982.388 3775769.811 419.54
LOCATION L0034668 VOLUME 463982.396 3775766.211 419.50

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   LOCATION L0034669     VOLUME   463982.405 3775762.611 419.47
   LOCATION L0034670     VOLUME   463982.413 3775759.011 419.42
   LOCATION L0034671     VOLUME   463982.421 3775755.411 419.37
   LOCATION L0034672     VOLUME   463982.429 3775751.811 419.32
   LOCATION L0034673     VOLUME   463982.437 3775748.211 419.27
** End of LINE VOLUME Source ID = SLINE9
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC SR-210 WB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000477
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 461873.459, 3777383.026, 457.74, 3.70, 1.67
** 461787.495, 3777390.972, 458.44, 3.70, 1.67
** 461705.865, 3777401.808, 459.35, 3.70, 1.67
** 461632.903, 3777420.590, 459.50, 3.70, 1.67
** 461572.223, 3777440.095, 461.28, 3.70, 1.67
** 461524.545, 3777453.098, 463.37, 3.70, 1.67
** 461427.022, 3777455.265, 465.48, 3.70, 1.67
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   LOCATION L0031545     VOLUME   461871.667 3777383.191 457.49
   LOCATION L0031546     VOLUME   461868.082 3777383.523 457.53
   LOCATION L0031547     VOLUME   461864.497 3777383.854 457.58
   LOCATION L0031548     VOLUME   461860.912 3777384.186 457.63
   LOCATION L0031549     VOLUME   461857.328 3777384.517 457.68
   LOCATION L0031550     VOLUME   461853.743 3777384.848 457.73
   LOCATION L0031551     VOLUME   461850.158 3777385.180 457.75
   LOCATION L0031552     VOLUME   461846.574 3777385.511 457.77
   LOCATION L0031553     VOLUME   461842.989 3777385.842 457.78
   LOCATION L0031554     VOLUME   461839.404 3777386.174 457.80
   LOCATION L0031555     VOLUME   461835.819 3777386.505 457.81
   LOCATION L0031556     VOLUME   461832.235 3777386.836 457.83
   LOCATION L0031557     VOLUME   461828.650 3777387.168 457.85
   LOCATION L0031558     VOLUME   461825.065 3777387.499 457.85
   LOCATION L0031559     VOLUME   461821.481 3777387.831 457.84
   LOCATION L0031560     VOLUME   461817.896 3777388.162 457.83
   LOCATION L0031561     VOLUME   461814.311 3777388.493 457.82
   LOCATION L0031562     VOLUME   461810.726 3777388.825 457.82
   LOCATION L0031563     VOLUME   461807.142 3777389.156 457.81
   LOCATION L0031564     VOLUME   461803.557 3777389.487 457.79
   LOCATION L0031565     VOLUME   461799.972 3777389.819 457.81
   LOCATION L0031566     VOLUME   461796.388 3777390.150 457.89
   LOCATION L0031567     VOLUME   461792.803 3777390.481 457.96
   LOCATION L0031568     VOLUME   461789.218 3777390.813 458.04
   LOCATION L0031569     VOLUME   461785.642 3777391.218 458.13
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LOCATION L0031570 VOLUME 461782.073 3777391.692 458.23
LOCATION L0031571 VOLUME 461778.504 3777392.165 458.33
LOCATION L0031572 VOLUME 461774.936 3777392.639 458.43
LOCATION L0031573 VOLUME 461771.367 3777393.113 458.49
LOCATION L0031574 VOLUME 461767.798 3777393.587 458.56
LOCATION L0031575 VOLUME 461764.230 3777394.060 458.62
LOCATION L0031576 VOLUME 461760.661 3777394.534 458.68
LOCATION L0031577 VOLUME 461757.092 3777395.008 458.74
LOCATION L0031578 VOLUME 461753.523 3777395.482 458.80
LOCATION L0031579 VOLUME 461749.955 3777395.955 458.86
LOCATION L0031580 VOLUME 461746.386 3777396.429 458.90
LOCATION L0031581 VOLUME 461742.817 3777396.903 458.94
LOCATION L0031582 VOLUME 461739.249 3777397.376 458.97
LOCATION L0031583 VOLUME 461735.680 3777397.850 459.00
LOCATION L0031584 VOLUME 461732.111 3777398.324 459.04
LOCATION L0031585 VOLUME 461728.543 3777398.798 459.07
LOCATION L0031586 VOLUME 461724.974 3777399.271 459.09
LOCATION L0031587 VOLUME 461721.405 3777399.745 459.11
LOCATION L0031588 VOLUME 461717.837 3777400.219 459.13
LOCATION L0031589 VOLUME 461714.268 3777400.692 459.14
LOCATION L0031590 VOLUME 461710.699 3777401.166 459.15
LOCATION L0031591 VOLUME 461707.130 3777401.640 459.16
LOCATION L0031592 VOLUME 461703.615 3777402.387 459.20
LOCATION L0031593 VOLUME 461700.129 3777403.285 459.25
LOCATION L0031594 VOLUME 461696.642 3777404.182 459.27
LOCATION L0031595 VOLUME 461693.156 3777405.079 459.28
LOCATION L0031596 VOLUME 461689.670 3777405.977 459.29
LOCATION L0031597 VOLUME 461686.183 3777406.874 459.31
LOCATION L0031598 VOLUME 461682.697 3777407.772 459.34
LOCATION L0031599 VOLUME 461679.211 3777408.669 459.36
LOCATION L0031600 VOLUME 461675.724 3777409.567 459.39
LOCATION L0031601 VOLUME 461672.238 3777410.464 459.43
LOCATION L0031602 VOLUME 461668.752 3777411.362 459.49
LOCATION L0031603 VOLUME 461665.265 3777412.259 459.55
LOCATION L0031604 VOLUME 461661.779 3777413.157 459.61
LOCATION L0031605 VOLUME 461658.293 3777414.054 459.67
LOCATION L0031606 VOLUME 461654.806 3777414.952 459.74
LOCATION L0031607 VOLUME 461651.320 3777415.849 459.80
LOCATION L0031608 VOLUME 461647.833 3777416.747 459.88
LOCATION L0031609 VOLUME 461644.347 3777417.644 459.97
LOCATION L0031610 VOLUME 461640.861 3777418.542 460.07
LOCATION L0031611 VOLUME 461637.374 3777419.439 460.16
LOCATION L0031612 VOLUME 461633.888 3777420.337 460.26
LOCATION L0031613 VOLUME 461630.444 3777421.380 460.37
LOCATION L0031614 VOLUME 461627.017 3777422.482 460.49
LOCATION L0031615 VOLUME 461623.590 3777423.584 460.60
LOCATION L0031616 VOLUME 461620.162 3777424.685 460.72
LOCATION L0031617 VOLUME 461616.735 3777425.787 460.83
LOCATION L0031618 VOLUME 461613.308 3777426.889 460.94
LOCATION L0031619 VOLUME 461609.880 3777427.990 461.04

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LOCATION L0031620     VOLUME   461606.453 3777429.092 461.13
LOCATION L0031621     VOLUME   461603.026 3777430.194 461.22
LOCATION L0031622     VOLUME   461599.598 3777431.295 461.30
LOCATION L0031623     VOLUME   461596.171 3777432.397 461.38
LOCATION L0031624     VOLUME   461592.744 3777433.498 461.46
LOCATION L0031625     VOLUME   461589.317 3777434.600 461.52
LOCATION L0031626     VOLUME   461585.889 3777435.702 461.57
LOCATION L0031627     VOLUME   461582.462 3777436.803 461.63
LOCATION L0031628     VOLUME   461579.035 3777437.905 461.68
LOCATION L0031629     VOLUME   461575.607 3777439.007 461.73
LOCATION L0031630     VOLUME   461572.179 3777440.106 461.79
LOCATION L0031631     VOLUME   461568.706 3777441.054 461.88
LOCATION L0031632     VOLUME   461565.233 3777442.001 461.99
LOCATION L0031633     VOLUME   461561.760 3777442.948 462.10
LOCATION L0031634     VOLUME   461558.287 3777443.895 462.21
LOCATION L0031635     VOLUME   461554.814 3777444.842 462.31
LOCATION L0031636     VOLUME   461551.341 3777445.790 462.41
LOCATION L0031637     VOLUME   461547.867 3777446.737 462.50
LOCATION L0031638     VOLUME   461544.394 3777447.684 462.59
LOCATION L0031639     VOLUME   461540.921 3777448.631 462.70
LOCATION L0031640     VOLUME   461537.448 3777449.579 462.81
LOCATION L0031641     VOLUME   461533.975 3777450.526 462.90
LOCATION L0031642     VOLUME   461530.502 3777451.473 462.99
LOCATION L0031643     VOLUME   461527.029 3777452.420 463.07
LOCATION L0031644     VOLUME   461523.519 3777453.120 463.14
LOCATION L0031645     VOLUME   461519.920 3777453.200 463.18
LOCATION L0031646     VOLUME   461516.321 3777453.280 463.24
LOCATION L0031647     VOLUME   461512.722 3777453.360 463.30
LOCATION L0031648     VOLUME   461509.123 3777453.440 463.36
LOCATION L0031649     VOLUME   461505.524 3777453.520 463.42
LOCATION L0031650     VOLUME   461501.925 3777453.600 463.48
LOCATION L0031651     VOLUME   461498.326 3777453.680 463.54
LOCATION L0031652     VOLUME   461494.727 3777453.760 463.59
LOCATION L0031653     VOLUME   461491.127 3777453.840 463.66
LOCATION L0031654     VOLUME   461487.528 3777453.920 463.74
LOCATION L0031655     VOLUME   461483.929 3777454.000 463.81
LOCATION L0031656     VOLUME   461480.330 3777454.080 463.88
LOCATION L0031657     VOLUME   461476.731 3777454.160 463.95
LOCATION L0031658     VOLUME   461473.132 3777454.240 464.02
LOCATION L0031659     VOLUME   461469.533 3777454.320 464.09
LOCATION L0031660     VOLUME   461465.934 3777454.400 464.21
LOCATION L0031661     VOLUME   461462.335 3777454.480 464.34
LOCATION L0031662     VOLUME   461458.735 3777454.560 464.47
LOCATION L0031663     VOLUME   461455.136 3777454.640 464.60
LOCATION L0031664     VOLUME   461451.537 3777454.720 464.73
LOCATION L0031665     VOLUME   461447.938 3777454.800 464.86
LOCATION L0031666     VOLUME   461444.339 3777454.880 464.99
LOCATION L0031667     VOLUME   461440.740 3777454.960 465.12
LOCATION L0031668     VOLUME   461437.141 3777455.040 465.24
LOCATION L0031669     VOLUME   461433.542 3777455.120 465.37
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   LOCATION L0031670     VOLUME   461429.943 3777455.200 465.50
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC SR-210 EB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000499
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
** 460941.341, 3777341.628, 463.31, 3.70, 1.67
** 461014.386, 3777335.725, 462.46, 3.70, 1.67
** 461077.101, 3777329.085, 461.65, 3.70, 1.67
** 461142.029, 3777318.755, 461.18, 3.70, 1.67
** 461191.463, 3777303.999, 460.63, 3.70, 1.67
** 461257.867, 3777278.913, 461.05, 3.70, 1.67
** 461299.185, 3777269.321, 461.54, 3.70, 1.67
** 461358.949, 3777264.156, 461.88, 3.70, 1.67
** 461407.524, 3777263.337, 462.74, 3.70, 1.67
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   LOCATION L0031671     VOLUME   460943.135 3777341.483 463.26
   LOCATION L0031672     VOLUME   460946.724 3777341.193 463.23
   LOCATION L0031673     VOLUME   460950.312 3777340.903 463.20
   LOCATION L0031674     VOLUME   460953.900 3777340.613 463.17
   LOCATION L0031675     VOLUME   460957.489 3777340.323 463.14
   LOCATION L0031676     VOLUME   460961.077 3777340.033 463.10
   LOCATION L0031677     VOLUME   460964.665 3777339.743 463.07
   LOCATION L0031678     VOLUME   460968.254 3777339.453 463.04
   LOCATION L0031679     VOLUME   460971.842 3777339.163 463.00
   LOCATION L0031680     VOLUME   460975.430 3777338.873 462.97
   LOCATION L0031681     VOLUME   460979.018 3777338.583 462.94
   LOCATION L0031682     VOLUME   460982.607 3777338.293 462.91
   LOCATION L0031683     VOLUME   460986.195 3777338.003 462.87
   LOCATION L0031684     VOLUME   460989.783 3777337.713 462.83
   LOCATION L0031685     VOLUME   460993.372 3777337.423 462.80
   LOCATION L0031686     VOLUME   460996.960 3777337.133 462.76
   LOCATION L0031687     VOLUME   461000.548 3777336.843 462.72
   LOCATION L0031688     VOLUME   461004.137 3777336.553 462.69
   LOCATION L0031689     VOLUME   461007.725 3777336.263 462.65
   LOCATION L0031690     VOLUME   461011.313 3777335.973 462.61
   LOCATION L0031691     VOLUME   461014.900 3777335.670 462.57
   LOCATION L0031692     VOLUME   461018.480 3777335.291 462.53
   LOCATION L0031693     VOLUME   461022.060 3777334.912 462.50
   LOCATION L0031694     VOLUME   461025.640 3777334.533 462.46
   LOCATION L0031695     VOLUME   461029.220 3777334.154 462.42
   LOCATION L0031696     VOLUME   461032.800 3777333.775 462.38
   LOCATION L0031697     VOLUME   461036.380 3777333.396 462.34
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LOCATION L0031698 VOLUME 461039.960 3777333.017 462.30
LOCATION L0031699 VOLUME 461043.540 3777332.638 462.26
LOCATION L0031700 VOLUME 461047.120 3777332.259 462.22
LOCATION L0031701 VOLUME 461050.700 3777331.880 462.18
LOCATION L0031702 VOLUME 461054.280 3777331.501 462.14
LOCATION L0031703 VOLUME 461057.860 3777331.122 462.10
LOCATION L0031704 VOLUME 461061.440 3777330.743 462.05
LOCATION L0031705 VOLUME 461065.020 3777330.364 462.00
LOCATION L0031706 VOLUME 461068.600 3777329.985 461.96
LOCATION L0031707 VOLUME 461072.180 3777329.606 461.91
LOCATION L0031708 VOLUME 461075.760 3777329.226 461.86
LOCATION L0031709 VOLUME 461079.325 3777328.731 461.81
LOCATION L0031710 VOLUME 461082.880 3777328.165 461.77
LOCATION L0031711 VOLUME 461086.435 3777327.599 461.72
LOCATION L0031712 VOLUME 461089.990 3777327.034 461.68
LOCATION L0031713 VOLUME 461093.546 3777326.468 461.63
LOCATION L0031714 VOLUME 461097.101 3777325.903 461.58
LOCATION L0031715 VOLUME 461100.656 3777325.337 461.53
LOCATION L0031716 VOLUME 461104.212 3777324.771 461.48
LOCATION L0031717 VOLUME 461107.767 3777324.206 461.43
LOCATION L0031718 VOLUME 461111.322 3777323.640 461.38
LOCATION L0031719 VOLUME 461114.877 3777323.075 461.32
LOCATION L0031720 VOLUME 461118.433 3777322.509 461.27
LOCATION L0031721 VOLUME 461121.988 3777321.943 461.22
LOCATION L0031722 VOLUME 461125.543 3777321.378 461.16
LOCATION L0031723 VOLUME 461129.099 3777320.812 461.11
LOCATION L0031724 VOLUME 461132.654 3777320.247 461.05
LOCATION L0031725 VOLUME 461136.209 3777319.681 461.00
LOCATION L0031726 VOLUME 461139.765 3777319.115 460.95
LOCATION L0031727 VOLUME 461143.281 3777318.381 460.90
LOCATION L0031728 VOLUME 461146.731 3777317.351 460.86
LOCATION L0031729 VOLUME 461150.181 3777316.322 460.82
LOCATION L0031730 VOLUME 461153.630 3777315.292 460.78
LOCATION L0031731 VOLUME 461157.080 3777314.262 460.74
LOCATION L0031732 VOLUME 461160.529 3777313.233 460.69
LOCATION L0031733 VOLUME 461163.979 3777312.203 460.68
LOCATION L0031734 VOLUME 461167.429 3777311.173 460.71
LOCATION L0031735 VOLUME 461170.878 3777310.143 460.74
LOCATION L0031736 VOLUME 461174.328 3777309.114 460.76
LOCATION L0031737 VOLUME 461177.777 3777308.084 460.78
LOCATION L0031738 VOLUME 461181.227 3777307.054 460.80
LOCATION L0031739 VOLUME 461184.676 3777306.024 460.81
LOCATION L0031740 VOLUME 461188.126 3777304.995 460.83
LOCATION L0031741 VOLUME 461191.573 3777303.957 460.85
LOCATION L0031742 VOLUME 461194.941 3777302.685 460.88
LOCATION L0031743 VOLUME 461198.308 3777301.413 460.90
LOCATION L0031744 VOLUME 461201.676 3777300.140 460.92
LOCATION L0031745 VOLUME 461205.044 3777298.868 460.93
LOCATION L0031746 VOLUME 461208.411 3777297.596 460.94
LOCATION L0031747 VOLUME 461211.779 3777296.324 460.95

LOCATION L0031748 VOLUME 461215.147 3777295.051 460.97
LOCATION L0031749 VOLUME 461218.515 3777293.779 460.98
LOCATION L0031750 VOLUME 461221.882 3777292.507 460.99
LOCATION L0031751 VOLUME 461225.250 3777291.235 460.99
LOCATION L0031752 VOLUME 461228.618 3777289.962 461.00
LOCATION L0031753 VOLUME 461231.985 3777288.690 461.00
LOCATION L0031754 VOLUME 461235.353 3777287.418 461.01
LOCATION L0031755 VOLUME 461238.721 3777286.146 461.02
LOCATION L0031756 VOLUME 461242.088 3777284.873 461.04
LOCATION L0031757 VOLUME 461245.456 3777283.601 461.06
LOCATION L0031758 VOLUME 461248.824 3777282.329 461.09
LOCATION L0031759 VOLUME 461252.192 3777281.057 461.11
LOCATION L0031760 VOLUME 461255.559 3777279.784 461.13
LOCATION L0031761 VOLUME 461258.971 3777278.656 461.14
LOCATION L0031762 VOLUME 461262.477 3777277.842 461.13
LOCATION L0031763 VOLUME 461265.984 3777277.028 461.16
LOCATION L0031764 VOLUME 461269.491 3777276.214 461.18
LOCATION L0031765 VOLUME 461272.998 3777275.400 461.21
LOCATION L0031766 VOLUME 461276.504 3777274.586 461.23
LOCATION L0031767 VOLUME 461280.011 3777273.772 461.25
LOCATION L0031768 VOLUME 461283.518 3777272.958 461.27
LOCATION L0031769 VOLUME 461287.025 3777272.144 461.29
LOCATION L0031770 VOLUME 461290.531 3777271.330 461.31
LOCATION L0031771 VOLUME 461294.038 3777270.516 461.34
LOCATION L0031772 VOLUME 461297.545 3777269.702 461.36
LOCATION L0031773 VOLUME 461301.094 3777269.156 461.38
LOCATION L0031774 VOLUME 461304.681 3777268.846 461.39
LOCATION L0031775 VOLUME 461308.268 3777268.536 461.39
LOCATION L0031776 VOLUME 461311.854 3777268.226 461.40
LOCATION L0031777 VOLUME 461315.441 3777267.916 461.41
LOCATION L0031778 VOLUME 461319.027 3777267.606 461.42
LOCATION L0031779 VOLUME 461322.614 3777267.296 461.43
LOCATION L0031780 VOLUME 461326.201 3777266.986 461.44
LOCATION L0031781 VOLUME 461329.787 3777266.676 461.45
LOCATION L0031782 VOLUME 461333.374 3777266.366 461.46
LOCATION L0031783 VOLUME 461336.961 3777266.056 461.47
LOCATION L0031784 VOLUME 461340.547 3777265.746 461.49
LOCATION L0031785 VOLUME 461344.134 3777265.436 461.54
LOCATION L0031786 VOLUME 461347.720 3777265.126 461.58
LOCATION L0031787 VOLUME 461351.307 3777264.817 461.62
LOCATION L0031788 VOLUME 461354.894 3777264.507 461.66
LOCATION L0031789 VOLUME 461358.480 3777264.197 461.70
LOCATION L0031790 VOLUME 461362.078 3777264.103 461.74
LOCATION L0031791 VOLUME 461365.678 3777264.043 461.78
LOCATION L0031792 VOLUME 461369.277 3777263.982 461.88
LOCATION L0031793 VOLUME 461372.877 3777263.921 461.98
LOCATION L0031794 VOLUME 461376.476 3777263.860 462.09
LOCATION L0031795 VOLUME 461380.076 3777263.800 462.19
LOCATION L0031796 VOLUME 461383.675 3777263.739 462.29
LOCATION L0031797 VOLUME 461387.275 3777263.678 462.39

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   LOCATION L0031798     VOLUME   461390.874 3777263.618 462.49
   LOCATION L0031799     VOLUME   461394.474 3777263.557 462.55
   LOCATION L0031800     VOLUME   461398.073 3777263.496 462.61
   LOCATION L0031801     VOLUME   461401.673 3777263.436 462.66
   LOCATION L0031802     VOLUME   461405.272 3777263.375 462.72
** End of LINE VOLUME Source ID = SLINE11
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Alder Ave - between SR-210 EB & WB Off-Ramps - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.000015
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
** 461428.280, 3777455.333, 465.43, 3.70, 1.67
** 461415.786, 3777452.432, 465.79, 3.70, 1.67
** 461409.316, 3777440.831, 465.63, 3.70, 1.67
** 461408.099, 3777262.651, 462.73, 3.70, 1.67
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   LOCATION L0031803     VOLUME   461426.526 3777454.926 465.62
   LOCATION L0031804     VOLUME   461423.019 3777454.112 465.74
   LOCATION L0031805     VOLUME   461419.513 3777453.298 465.85
   LOCATION L0031806     VOLUME   461416.006 3777452.483 465.91
   LOCATION L0031807     VOLUME   461414.143 3777449.485 465.85
   LOCATION L0031808     VOLUME   461412.389 3777446.341 465.79
   LOCATION L0031809     VOLUME   461410.636 3777443.197 465.74
   LOCATION L0031810     VOLUME   461409.310 3777439.940 465.70
   LOCATION L0031811     VOLUME   461409.286 3777436.340 465.68
   LOCATION L0031812     VOLUME   461409.261 3777432.740 465.59
   LOCATION L0031813     VOLUME   461409.236 3777429.141 465.44
   LOCATION L0031814     VOLUME   461409.212 3777425.541 465.28
   LOCATION L0031815     VOLUME   461409.187 3777421.941 465.13
   LOCATION L0031816     VOLUME   461409.163 3777418.341 464.98
   LOCATION L0031817     VOLUME   461409.138 3777414.741 464.82
   LOCATION L0031818     VOLUME   461409.113 3777411.141 464.67
   LOCATION L0031819     VOLUME   461409.089 3777407.541 464.52
   LOCATION L0031820     VOLUME   461409.064 3777403.941 464.36
   LOCATION L0031821     VOLUME   461409.040 3777400.341 463.72
   LOCATION L0031822     VOLUME   461409.015 3777396.741 463.08
   LOCATION L0031823     VOLUME   461408.990 3777393.141 462.44
   LOCATION L0031824     VOLUME   461408.966 3777389.541 461.80
   LOCATION L0031825     VOLUME   461408.941 3777385.942 461.16
   LOCATION L0031826     VOLUME   461408.917 3777382.342 460.52
   LOCATION L0031827     VOLUME   461408.892 3777378.742 459.88
   LOCATION L0031828     VOLUME   461408.867 3777375.142 459.24
   LOCATION L0031829     VOLUME   461408.843 3777371.542 458.81
   LOCATION L0031830     VOLUME   461408.818 3777367.942 458.64
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   LOCATION L0031831     VOLUME   461408.794 3777364.342 458.47
   LOCATION L0031832     VOLUME   461408.769 3777360.742 458.30
   LOCATION L0031833     VOLUME   461408.744 3777357.142 458.13
   LOCATION L0031834     VOLUME   461408.720 3777353.542 457.96
   LOCATION L0031835     VOLUME   461408.695 3777349.942 457.79
   LOCATION L0031836     VOLUME   461408.671 3777346.342 457.61
   LOCATION L0031837     VOLUME   461408.646 3777342.743 457.44
   LOCATION L0031838     VOLUME   461408.621 3777339.143 457.80
   LOCATION L0031839     VOLUME   461408.597 3777335.543 458.22
   LOCATION L0031840     VOLUME   461408.572 3777331.943 458.63
   LOCATION L0031841     VOLUME   461408.548 3777328.343 459.05
   LOCATION L0031842     VOLUME   461408.523 3777324.743 459.46
   LOCATION L0031843     VOLUME   461408.498 3777321.143 459.88
   LOCATION L0031844     VOLUME   461408.474 3777317.543 460.30
   LOCATION L0031845     VOLUME   461408.449 3777313.943 460.71
   LOCATION L0031846     VOLUME   461408.425 3777310.343 461.07
   LOCATION L0031847     VOLUME   461408.400 3777306.743 461.30
   LOCATION L0031848     VOLUME   461408.375 3777303.143 461.54
   LOCATION L0031849     VOLUME   461408.351 3777299.544 461.77
   LOCATION L0031850     VOLUME   461408.326 3777295.944 462.01
   LOCATION L0031851     VOLUME   461408.302 3777292.344 462.24
   LOCATION L0031852     VOLUME   461408.277 3777288.744 462.48
   LOCATION L0031853     VOLUME   461408.252 3777285.144 462.71
   LOCATION L0031854     VOLUME   461408.228 3777281.544 462.95
   LOCATION L0031855     VOLUME   461408.203 3777277.944 462.96
   LOCATION L0031856     VOLUME   461408.179 3777274.344 462.91
   LOCATION L0031857     VOLUME   461408.154 3777270.744 462.86
   LOCATION L0031858     VOLUME   461408.129 3777267.144 462.82
   LOCATION L0031859     VOLUME   461408.105 3777263.544 462.77
** End of LINE VOLUME Source ID = SLINE12
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC SR-210 EB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000437
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
** 461420.476, 3777262.974, 462.78, 3.70, 1.67
** 461487.598, 3777263.217, 460.49, 3.70, 1.67
** 461544.404, 3777267.360, 459.29, 3.70, 1.67
** 461627.246, 3777292.804, 457.46, 3.70, 1.67
** 461722.515, 3777317.657, 455.41, 3.70, 1.67
** 461788.789, 3777326.533, 454.78, 3.70, 1.67
** 461832.578, 3777330.083, 454.68, 3.70, 1.67
** 461918.970, 3777330.675, 454.04, 3.70, 1.67
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LOCATION L0031860 VOLUME 461422.276 3777262.981 462.70
LOCATION L0031861 VOLUME 461425.876 3777262.994 462.57
LOCATION L0031862 VOLUME 461429.476 3777263.007 462.45
LOCATION L0031863 VOLUME 461433.076 3777263.020 462.33
LOCATION L0031864 VOLUME 461436.676 3777263.033 462.20
LOCATION L0031865 VOLUME 461440.276 3777263.046 462.08
LOCATION L0031866 VOLUME 461443.876 3777263.059 461.94
LOCATION L0031867 VOLUME 461447.476 3777263.072 461.80
LOCATION L0031868 VOLUME 461451.076 3777263.085 461.66
LOCATION L0031869 VOLUME 461454.676 3777263.098 461.52
LOCATION L0031870 VOLUME 461458.276 3777263.111 461.38
LOCATION L0031871 VOLUME 461461.876 3777263.124 461.24
LOCATION L0031872 VOLUME 461465.476 3777263.137 461.10
LOCATION L0031873 VOLUME 461469.076 3777263.150 460.99
LOCATION L0031874 VOLUME 461472.676 3777263.163 460.93
LOCATION L0031875 VOLUME 461476.276 3777263.176 460.86
LOCATION L0031876 VOLUME 461479.876 3777263.189 460.79
LOCATION L0031877 VOLUME 461483.476 3777263.202 460.73
LOCATION L0031878 VOLUME 461487.076 3777263.216 460.66
LOCATION L0031879 VOLUME 461490.668 3777263.441 460.58
LOCATION L0031880 VOLUME 461494.258 3777263.703 460.50
LOCATION L0031881 VOLUME 461497.849 3777263.965 460.43
LOCATION L0031882 VOLUME 461501.439 3777264.227 460.35
LOCATION L0031883 VOLUME 461505.030 3777264.488 460.27
LOCATION L0031884 VOLUME 461508.620 3777264.750 460.19
LOCATION L0031885 VOLUME 461512.211 3777265.012 460.11
LOCATION L0031886 VOLUME 461515.801 3777265.274 460.04
LOCATION L0031887 VOLUME 461519.392 3777265.536 459.96
LOCATION L0031888 VOLUME 461522.982 3777265.798 459.89
LOCATION L0031889 VOLUME 461526.572 3777266.059 459.82
LOCATION L0031890 VOLUME 461530.163 3777266.321 459.75
LOCATION L0031891 VOLUME 461533.753 3777266.583 459.67
LOCATION L0031892 VOLUME 461537.344 3777266.845 459.60
LOCATION L0031893 VOLUME 461540.934 3777267.107 459.53
LOCATION L0031894 VOLUME 461544.520 3777267.395 459.46
LOCATION L0031895 VOLUME 461547.961 3777268.452 459.37
LOCATION L0031896 VOLUME 461551.402 3777269.509 459.27
LOCATION L0031897 VOLUME 461554.844 3777270.566 459.17
LOCATION L0031898 VOLUME 461558.285 3777271.623 459.08
LOCATION L0031899 VOLUME 461561.726 3777272.680 458.98
LOCATION L0031900 VOLUME 461565.168 3777273.737 458.88
LOCATION L0031901 VOLUME 461568.609 3777274.794 458.78
LOCATION L0031902 VOLUME 461572.050 3777275.851 458.68
LOCATION L0031903 VOLUME 461575.492 3777276.908 458.58
LOCATION L0031904 VOLUME 461578.933 3777277.965 458.47
LOCATION L0031905 VOLUME 461582.375 3777279.022 458.37
LOCATION L0031906 VOLUME 461585.816 3777280.079 458.26
LOCATION L0031907 VOLUME 461589.257 3777281.136 458.14
LOCATION L0031908 VOLUME 461592.699 3777282.193 458.03
LOCATION L0031909 VOLUME 461596.140 3777283.250 457.92

LOCATION L0031910 VOLUME 461599.581 3777284.307 457.82
LOCATION L0031911 VOLUME 461603.023 3777285.364 457.71
LOCATION L0031912 VOLUME 461606.464 3777286.421 457.61
LOCATION L0031913 VOLUME 461609.905 3777287.478 457.51
LOCATION L0031914 VOLUME 461613.347 3777288.535 457.41
LOCATION L0031915 VOLUME 461616.788 3777289.592 457.31
LOCATION L0031916 VOLUME 461620.229 3777290.649 457.21
LOCATION L0031917 VOLUME 461623.671 3777291.706 457.14
LOCATION L0031918 VOLUME 461627.112 3777292.763 457.08
LOCATION L0031919 VOLUME 461630.594 3777293.677 457.03
LOCATION L0031920 VOLUME 461634.077 3777294.586 456.97
LOCATION L0031921 VOLUME 461637.560 3777295.495 456.91
LOCATION L0031922 VOLUME 461641.044 3777296.403 456.84
LOCATION L0031923 VOLUME 461644.527 3777297.312 456.77
LOCATION L0031924 VOLUME 461648.011 3777298.221 456.71
LOCATION L0031925 VOLUME 461651.494 3777299.130 456.64
LOCATION L0031926 VOLUME 461654.978 3777300.038 456.57
LOCATION L0031927 VOLUME 461658.461 3777300.947 456.50
LOCATION L0031928 VOLUME 461661.944 3777301.856 456.41
LOCATION L0031929 VOLUME 461665.428 3777302.764 456.32
LOCATION L0031930 VOLUME 461668.911 3777303.673 456.22
LOCATION L0031931 VOLUME 461672.395 3777304.582 456.12
LOCATION L0031932 VOLUME 461675.878 3777305.491 456.02
LOCATION L0031933 VOLUME 461679.362 3777306.399 455.91
LOCATION L0031934 VOLUME 461682.845 3777307.308 455.80
LOCATION L0031935 VOLUME 461686.328 3777308.217 455.68
LOCATION L0031936 VOLUME 461689.812 3777309.125 455.56
LOCATION L0031937 VOLUME 461693.295 3777310.034 455.42
LOCATION L0031938 VOLUME 461696.779 3777310.943 455.35
LOCATION L0031939 VOLUME 461700.262 3777311.852 455.32
LOCATION L0031940 VOLUME 461703.746 3777312.760 455.31
LOCATION L0031941 VOLUME 461707.229 3777313.669 455.29
LOCATION L0031942 VOLUME 461710.712 3777314.578 455.28
LOCATION L0031943 VOLUME 461714.196 3777315.486 455.26
LOCATION L0031944 VOLUME 461717.679 3777316.395 455.24
LOCATION L0031945 VOLUME 461721.163 3777317.304 455.22
LOCATION L0031946 VOLUME 461724.698 3777317.949 455.21
LOCATION L0031947 VOLUME 461728.266 3777318.427 455.20
LOCATION L0031948 VOLUME 461731.834 3777318.905 455.18
LOCATION L0031949 VOLUME 461735.402 3777319.383 455.17
LOCATION L0031950 VOLUME 461738.970 3777319.861 455.16
LOCATION L0031951 VOLUME 461742.539 3777320.338 455.15
LOCATION L0031952 VOLUME 461746.107 3777320.816 455.13
LOCATION L0031953 VOLUME 461749.675 3777321.294 455.12
LOCATION L0031954 VOLUME 461753.243 3777321.772 455.10
LOCATION L0031955 VOLUME 461756.811 3777322.250 455.09
LOCATION L0031956 VOLUME 461760.379 3777322.728 455.07
LOCATION L0031957 VOLUME 461763.947 3777323.206 455.06
LOCATION L0031958 VOLUME 461767.516 3777323.684 455.04
LOCATION L0031959 VOLUME 461771.084 3777324.161 455.02

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   LOCATION L0031960     VOLUME   461774.652 3777324.639 455.00
   LOCATION L0031961     VOLUME   461778.220 3777325.117 455.01
   LOCATION L0031962     VOLUME   461781.788 3777325.595 455.01
   LOCATION L0031963     VOLUME   461785.356 3777326.073 455.01
   LOCATION L0031964     VOLUME   461788.925 3777326.544 455.02
   LOCATION L0031965     VOLUME   461792.513 3777326.835 455.02
   LOCATION L0031966     VOLUME   461796.102 3777327.126 455.02
   LOCATION L0031967     VOLUME   461799.690 3777327.417 455.02
   LOCATION L0031968     VOLUME   461803.278 3777327.708 455.03
   LOCATION L0031969     VOLUME   461806.866 3777327.998 455.04
   LOCATION L0031970     VOLUME   461810.455 3777328.289 455.05
   LOCATION L0031971     VOLUME   461814.043 3777328.580 455.05
   LOCATION L0031972     VOLUME   461817.631 3777328.871 455.05
   LOCATION L0031973     VOLUME   461821.219 3777329.162 455.05
   LOCATION L0031974     VOLUME   461824.807 3777329.453 455.05
   LOCATION L0031975     VOLUME   461828.396 3777329.744 455.04
   LOCATION L0031976     VOLUME   461831.984 3777330.035 455.01
   LOCATION L0031977     VOLUME   461835.582 3777330.104 455.00
   LOCATION L0031978     VOLUME   461839.182 3777330.128 454.99
   LOCATION L0031979     VOLUME   461842.782 3777330.153 454.98
   LOCATION L0031980     VOLUME   461846.382 3777330.178 454.97
   LOCATION L0031981     VOLUME   461849.982 3777330.202 454.97
   LOCATION L0031982     VOLUME   461853.581 3777330.227 454.95
   LOCATION L0031983     VOLUME   461857.181 3777330.252 454.92
   LOCATION L0031984     VOLUME   461860.781 3777330.276 454.89
   LOCATION L0031985     VOLUME   461864.381 3777330.301 454.87
   LOCATION L0031986     VOLUME   461867.981 3777330.326 454.84
   LOCATION L0031987     VOLUME   461871.581 3777330.350 454.81
   LOCATION L0031988     VOLUME   461875.181 3777330.375 454.78
   LOCATION L0031989     VOLUME   461878.781 3777330.400 454.75
   LOCATION L0031990     VOLUME   461882.381 3777330.424 454.72
   LOCATION L0031991     VOLUME   461885.981 3777330.449 454.69
   LOCATION L0031992     VOLUME   461889.581 3777330.474 454.66
   LOCATION L0031993     VOLUME   461893.180 3777330.498 454.63
   LOCATION L0031994     VOLUME   461896.780 3777330.523 454.60
   LOCATION L0031995     VOLUME   461900.380 3777330.548 454.57
   LOCATION L0031996     VOLUME   461903.980 3777330.572 454.54
   LOCATION L0031997     VOLUME   461907.580 3777330.597 454.51
   LOCATION L0031998     VOLUME   461911.180 3777330.622 454.48
   LOCATION L0031999     VOLUME   461914.780 3777330.646 454.45
   LOCATION L0032000     VOLUME   461918.380 3777330.671 454.42
** End of LINE VOLUME Source ID = SLINE13
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Alder Ave - between SR-210 EB and WB Off-Ramps - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000134
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** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 461420.699, 3777265.301, 462.84, 3.70, 1.67
** 461420.699, 3777448.034, 465.56, 3.70, 1.67
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   LOCATION L0032002     VOLUME   461420.699 3777270.701 462.84
   LOCATION L0032003     VOLUME   461420.699 3777274.301 462.89
   LOCATION L0032004     VOLUME   461420.699 3777277.901 462.93
   LOCATION L0032005     VOLUME   461420.699 3777281.501 462.92
   LOCATION L0032006     VOLUME   461420.699 3777285.101 462.68
   LOCATION L0032007     VOLUME   461420.699 3777288.701 462.44
   LOCATION L0032008     VOLUME   461420.699 3777292.301 462.20
   LOCATION L0032009     VOLUME   461420.699 3777295.901 461.96
   LOCATION L0032010     VOLUME   461420.699 3777299.501 461.72
   LOCATION L0032011     VOLUME   461420.699 3777303.101 461.48
   LOCATION L0032012     VOLUME   461420.699 3777306.701 461.24
   LOCATION L0032013     VOLUME   461420.699 3777310.301 461.00
   LOCATION L0032014     VOLUME   461420.699 3777313.901 460.65
   LOCATION L0032015     VOLUME   461420.699 3777317.501 460.22
   LOCATION L0032016     VOLUME   461420.699 3777321.101 459.80
   LOCATION L0032017     VOLUME   461420.699 3777324.701 459.38
   LOCATION L0032018     VOLUME   461420.699 3777328.301 458.96
   LOCATION L0032019     VOLUME   461420.699 3777331.901 458.53
   LOCATION L0032020     VOLUME   461420.699 3777335.501 458.11
   LOCATION L0032021     VOLUME   461420.699 3777339.101 457.69
   LOCATION L0032022     VOLUME   461420.699 3777342.701 457.33
   LOCATION L0032023     VOLUME   461420.699 3777346.301 457.51
   LOCATION L0032024     VOLUME   461420.699 3777349.901 457.69
   LOCATION L0032025     VOLUME   461420.699 3777353.501 457.87
   LOCATION L0032026     VOLUME   461420.699 3777357.101 458.05
   LOCATION L0032027     VOLUME   461420.699 3777360.701 458.23
   LOCATION L0032028     VOLUME   461420.699 3777364.301 458.41
   LOCATION L0032029     VOLUME   461420.699 3777367.901 458.60
   LOCATION L0032030     VOLUME   461420.699 3777371.501 458.78
   LOCATION L0032031     VOLUME   461420.699 3777375.101 459.22
   LOCATION L0032032     VOLUME   461420.699 3777378.701 459.87
   LOCATION L0032033     VOLUME   461420.699 3777382.301 460.53
   LOCATION L0032034     VOLUME   461420.699 3777385.901 461.18
   LOCATION L0032035     VOLUME   461420.699 3777389.501 461.84
   LOCATION L0032036     VOLUME   461420.699 3777393.101 462.49
   LOCATION L0032037     VOLUME   461420.699 3777396.701 463.15
   LOCATION L0032038     VOLUME   461420.699 3777400.301 463.80
   LOCATION L0032039     VOLUME   461420.699 3777403.901 464.46
   LOCATION L0032040     VOLUME   461420.699 3777407.501 464.61
   LOCATION L0032041     VOLUME   461420.699 3777411.101 464.76
   LOCATION L0032042     VOLUME   461420.699 3777414.701 464.90
   LOCATION L0032043     VOLUME   461420.699 3777418.301 465.05
   LOCATION L0032044     VOLUME   461420.699 3777421.901 465.19
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   LOCATION L0032045     VOLUME   461420.699 3777425.501 465.34
   LOCATION L0032046     VOLUME   461420.699 3777429.101 465.48
   LOCATION L0032047     VOLUME   461420.699 3777432.701 465.62
   LOCATION L0032048     VOLUME   461420.699 3777436.301 465.71
   LOCATION L0032049     VOLUME   461420.699 3777439.901 465.74
   LOCATION L0032050     VOLUME   461420.699 3777443.501 465.76
   LOCATION L0032051     VOLUME   461420.699 3777447.101 465.78
** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC SR-210 WB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000441
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461362.223, 3777455.997, 464.91, 3.70, 1.67
** 461314.361, 3777452.749, 464.70, 3.70, 1.67
** 461281.749, 3777446.303, 463.49, 3.70, 1.67
** 461223.353, 3777428.101, 464.08, 3.70, 1.67
** 461170.265, 3777412.554, 462.90, 3.70, 1.67
** 461093.288, 3777397.765, 464.15, 3.70, 1.67
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** 460899.138, 3777388.664, 464.68, 3.70, 1.67
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   LOCATION L0031119     VOLUME   461397.436 3777456.121 465.49
   LOCATION L0031120     VOLUME   461393.836 3777456.108 465.41
   LOCATION L0031121     VOLUME   461390.236 3777456.096 465.33
   LOCATION L0031122     VOLUME   461386.636 3777456.083 465.25
   LOCATION L0031123     VOLUME   461383.036 3777456.070 465.17
   LOCATION L0031124     VOLUME   461379.436 3777456.058 465.10
   LOCATION L0031125     VOLUME   461375.836 3777456.045 465.02
   LOCATION L0031126     VOLUME   461372.236 3777456.032 464.94
   LOCATION L0031127     VOLUME   461368.636 3777456.020 464.86
   LOCATION L0031128     VOLUME   461365.036 3777456.007 464.80
   LOCATION L0031129     VOLUME   461361.438 3777455.944 464.78
   LOCATION L0031130     VOLUME   461357.847 3777455.700 464.76
   LOCATION L0031131     VOLUME   461354.255 3777455.456 464.73
   LOCATION L0031132     VOLUME   461350.663 3777455.213 464.71
   LOCATION L0031133     VOLUME   461347.071 3777454.969 464.68
   LOCATION L0031134     VOLUME   461343.480 3777454.725 464.65
   LOCATION L0031135     VOLUME   461339.888 3777454.481 464.62
   LOCATION L0031136     VOLUME   461336.296 3777454.238 464.61
   LOCATION L0031137     VOLUME   461332.704 3777453.994 464.59
   LOCATION L0031138     VOLUME   461329.113 3777453.750 464.57
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LOCATION L0031140 VOLUME 461321.929 3777453.263 464.53
LOCATION L0031141 VOLUME 461318.337 3777453.019 464.51
LOCATION L0031142 VOLUME 461314.746 3777452.775 464.49
LOCATION L0031143 VOLUME 461311.208 3777452.126 464.48
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LOCATION L0031145 VOLUME 461304.144 3777450.729 464.45
LOCATION L0031146 VOLUME 461300.613 3777450.031 464.43
LOCATION L0031147 VOLUME 461297.081 3777449.333 464.40
LOCATION L0031148 VOLUME 461293.549 3777448.635 464.38
LOCATION L0031149 VOLUME 461290.018 3777447.937 464.34
LOCATION L0031150 VOLUME 461286.486 3777447.239 464.33
LOCATION L0031151 VOLUME 461282.954 3777446.541 464.31
LOCATION L0031152 VOLUME 461279.485 3777445.597 464.28
LOCATION L0031153 VOLUME 461276.048 3777444.526 464.23
LOCATION L0031154 VOLUME 461272.611 3777443.454 464.18
LOCATION L0031155 VOLUME 461269.174 3777442.383 464.12
LOCATION L0031156 VOLUME 461265.737 3777441.312 464.06
LOCATION L0031157 VOLUME 461262.300 3777440.241 464.00
LOCATION L0031158 VOLUME 461258.863 3777439.169 463.97
LOCATION L0031159 VOLUME 461255.427 3777438.098 463.95
LOCATION L0031160 VOLUME 461251.990 3777437.027 463.91
LOCATION L0031161 VOLUME 461248.553 3777435.956 463.88
LOCATION L0031162 VOLUME 461245.116 3777434.884 463.84
LOCATION L0031163 VOLUME 461241.679 3777433.813 463.80
LOCATION L0031164 VOLUME 461238.242 3777432.742 463.76
LOCATION L0031165 VOLUME 461234.805 3777431.671 463.74
LOCATION L0031166 VOLUME 461231.368 3777430.599 463.72
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LOCATION L0031168 VOLUME 461224.494 3777428.457 463.67
LOCATION L0031169 VOLUME 461221.045 3777427.425 463.65
LOCATION L0031170 VOLUME 461217.590 3777426.413 463.62
LOCATION L0031171 VOLUME 461214.136 3777425.402 463.59
LOCATION L0031172 VOLUME 461210.681 3777424.390 463.55
LOCATION L0031173 VOLUME 461207.226 3777423.378 463.52
LOCATION L0031174 VOLUME 461203.771 3777422.366 463.49
LOCATION L0031175 VOLUME 461200.316 3777421.355 463.46
LOCATION L0031176 VOLUME 461196.861 3777420.343 463.43
LOCATION L0031177 VOLUME 461193.406 3777419.331 463.39
LOCATION L0031178 VOLUME 461189.951 3777418.319 463.36
LOCATION L0031179 VOLUME 461186.496 3777417.307 463.32
LOCATION L0031180 VOLUME 461183.042 3777416.296 463.29
LOCATION L0031181 VOLUME 461179.587 3777415.284 463.26
LOCATION L0031182 VOLUME 461176.132 3777414.272 463.23
LOCATION L0031183 VOLUME 461172.677 3777413.260 463.21
LOCATION L0031184 VOLUME 461169.198 3777412.349 463.19
LOCATION L0031185 VOLUME 461165.662 3777411.670 463.21
LOCATION L0031186 VOLUME 461162.127 3777410.990 463.22
LOCATION L0031187 VOLUME 461158.592 3777410.311 463.21
LOCATION L0031188 VOLUME 461155.056 3777409.632 463.19

LOCATION L0031189 VOLUME 461151.521 3777408.953 463.17
LOCATION L0031190 VOLUME 461147.986 3777408.274 463.16
LOCATION L0031191 VOLUME 461144.450 3777407.594 463.14
LOCATION L0031192 VOLUME 461140.915 3777406.915 463.12
LOCATION L0031193 VOLUME 461137.380 3777406.236 463.10
LOCATION L0031194 VOLUME 461133.844 3777405.557 463.09
LOCATION L0031195 VOLUME 461130.309 3777404.878 463.13
LOCATION L0031196 VOLUME 461126.774 3777404.198 463.17
LOCATION L0031197 VOLUME 461123.238 3777403.519 463.20
LOCATION L0031198 VOLUME 461119.703 3777402.840 463.24
LOCATION L0031199 VOLUME 461116.167 3777402.161 463.27
LOCATION L0031200 VOLUME 461112.632 3777401.482 463.30
LOCATION L0031201 VOLUME 461109.097 3777400.802 463.33
LOCATION L0031202 VOLUME 461105.561 3777400.123 463.39
LOCATION L0031203 VOLUME 461102.026 3777399.444 463.44
LOCATION L0031204 VOLUME 461098.491 3777398.765 463.49
LOCATION L0031205 VOLUME 461094.955 3777398.086 463.54
LOCATION L0031206 VOLUME 461091.403 3777397.510 463.59
LOCATION L0031207 VOLUME 461087.835 3777397.028 463.66
LOCATION L0031208 VOLUME 461084.268 3777396.546 463.72
LOCATION L0031209 VOLUME 461080.700 3777396.064 463.76
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LOCATION L0031211 VOLUME 461073.565 3777395.100 463.85
LOCATION L0031212 VOLUME 461069.998 3777394.618 463.89
LOCATION L0031213 VOLUME 461066.430 3777394.136 463.94
LOCATION L0031214 VOLUME 461062.862 3777393.654 463.98
LOCATION L0031215 VOLUME 461059.295 3777393.172 464.02
LOCATION L0031216 VOLUME 461055.727 3777392.689 464.04
LOCATION L0031217 VOLUME 461052.160 3777392.207 464.06
LOCATION L0031218 VOLUME 461048.569 3777392.018 464.10
LOCATION L0031219 VOLUME 461044.970 3777391.937 464.16
LOCATION L0031220 VOLUME 461041.371 3777391.857 464.22
LOCATION L0031221 VOLUME 461037.772 3777391.776 464.28
LOCATION L0031222 VOLUME 461034.173 3777391.695 464.34
LOCATION L0031223 VOLUME 461030.574 3777391.614 464.39
LOCATION L0031224 VOLUME 461026.975 3777391.534 464.42
LOCATION L0031225 VOLUME 461023.375 3777391.453 464.46
LOCATION L0031226 VOLUME 461019.776 3777391.372 464.50
LOCATION L0031227 VOLUME 461016.177 3777391.291 464.54
LOCATION L0031228 VOLUME 461012.578 3777391.210 464.58
LOCATION L0031229 VOLUME 461008.979 3777391.130 464.62
LOCATION L0031230 VOLUME 461005.380 3777391.049 464.65
LOCATION L0031231 VOLUME 461001.781 3777390.968 464.67
LOCATION L0031232 VOLUME 460998.182 3777390.887 464.69
LOCATION L0031233 VOLUME 460994.583 3777390.807 464.71
LOCATION L0031234 VOLUME 460990.984 3777390.726 464.74
LOCATION L0031235 VOLUME 460987.385 3777390.645 464.76
LOCATION L0031236 VOLUME 460983.785 3777390.564 464.78
LOCATION L0031237 VOLUME 460980.186 3777390.483 464.80
LOCATION L0031238 VOLUME 460976.587 3777390.403 464.81

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   LOCATION L0031239     VOLUME   460972.988 3777390.322 464.82
   LOCATION L0031240     VOLUME   460969.389 3777390.241 464.83
   LOCATION L0031241     VOLUME   460965.790 3777390.160 464.84
   LOCATION L0031242     VOLUME   460962.191 3777390.080 464.85
   LOCATION L0031243     VOLUME   460958.592 3777389.999 464.86
   LOCATION L0031244     VOLUME   460954.993 3777389.918 464.87
   LOCATION L0031245     VOLUME   460951.394 3777389.837 464.89
   LOCATION L0031246     VOLUME   460947.794 3777389.756 464.91
   LOCATION L0031247     VOLUME   460944.195 3777389.676 464.94
   LOCATION L0031248     VOLUME   460940.596 3777389.595 464.96
   LOCATION L0031249     VOLUME   460936.997 3777389.514 464.98
   LOCATION L0031250     VOLUME   460933.398 3777389.433 465.00
   LOCATION L0031251     VOLUME   460929.799 3777389.353 465.02
   LOCATION L0031252     VOLUME   460926.200 3777389.272 465.05
   LOCATION L0031253     VOLUME   460922.601 3777389.191 465.07
   LOCATION L0031254     VOLUME   460919.002 3777389.110 465.10
   LOCATION L0031255     VOLUME   460915.403 3777389.029 465.13
   LOCATION L0031256     VOLUME   460911.804 3777388.949 465.16
   LOCATION L0031257     VOLUME   460908.204 3777388.868 465.19
   LOCATION L0031258     VOLUME   460904.605 3777388.787 465.21
   LOCATION L0031259     VOLUME   460901.006 3777388.706 465.24
** End of LINE VOLUME Source ID = SLINE15
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.00012
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461409.287, 3777145.386, 460.25, 3.70, 1.67
** 461406.802, 3777064.261, 458.33, 3.70, 1.67
** 461403.367, 3776448.552, 445.66, 3.70, 1.67
** 461401.998, 3775830.108, 433.08, 3.70, 1.67
** 461404.732, 3775787.360, 431.96, 3.70, 1.67
** 461408.255, 3775767.888, 431.54, 3.70, 1.67
** 461411.350, 3775732.655, 430.92, 3.70, 1.67
** 461410.952, 3775681.342, 430.00, 3.70, 1.67
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   LOCATION L0032053     VOLUME   461407.707 3777256.695 462.68
   LOCATION L0032054     VOLUME   461407.758 3777253.095 462.63
   LOCATION L0032055     VOLUME   461407.809 3777249.495 462.58
   LOCATION L0032056     VOLUME   461407.861 3777245.896 462.51
   LOCATION L0032057     VOLUME   461407.912 3777242.296 462.43
   LOCATION L0032058     VOLUME   461407.963 3777238.696 462.36
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LOCATION L0032059 VOLUME 461408.014 3777235.097 462.28
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LOCATION L0032061 VOLUME 461408.116 3777227.898 462.13
LOCATION L0032062 VOLUME 461408.167 3777224.298 462.06
LOCATION L0032063 VOLUME 461408.218 3777220.698 461.98
LOCATION L0032064 VOLUME 461408.269 3777217.099 461.90
LOCATION L0032065 VOLUME 461408.320 3777213.499 461.82
LOCATION L0032066 VOLUME 461408.371 3777209.899 461.74
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LOCATION L0032068 VOLUME 461408.474 3777202.700 461.58
LOCATION L0032069 VOLUME 461408.525 3777199.100 461.50
LOCATION L0032070 VOLUME 461408.576 3777195.501 461.42
LOCATION L0032071 VOLUME 461408.627 3777191.901 461.34
LOCATION L0032072 VOLUME 461408.678 3777188.302 461.25
LOCATION L0032073 VOLUME 461408.729 3777184.702 461.18
LOCATION L0032074 VOLUME 461408.780 3777181.102 461.10
LOCATION L0032075 VOLUME 461408.831 3777177.503 461.02
LOCATION L0032076 VOLUME 461408.882 3777173.903 460.94
LOCATION L0032077 VOLUME 461408.933 3777170.303 460.86
LOCATION L0032078 VOLUME 461408.984 3777166.704 460.79
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LOCATION L0032080 VOLUME 461409.086 3777159.504 460.63
LOCATION L0032081 VOLUME 461409.138 3777155.905 460.55
LOCATION L0032082 VOLUME 461409.189 3777152.305 460.47
LOCATION L0032083 VOLUME 461409.240 3777148.706 460.38
LOCATION L0032084 VOLUME 461409.278 3777145.106 460.30
LOCATION L0032085 VOLUME 461409.168 3777141.508 460.21
LOCATION L0032086 VOLUME 461409.058 3777137.909 460.13
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LOCATION L0032094 VOLUME 461408.176 3777109.123 459.54
LOCATION L0032095 VOLUME 461408.066 3777105.525 459.47
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LOCATION L0032097 VOLUME 461407.845 3777098.328 459.33
LOCATION L0032098 VOLUME 461407.735 3777094.730 459.25
LOCATION L0032099 VOLUME 461407.625 3777091.131 459.15
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LOCATION L0032110 VOLUME 461406.731 3777051.544 458.07
LOCATION L0032111 VOLUME 461406.711 3777047.944 457.98
LOCATION L0032112 VOLUME 461406.691 3777044.344 457.90
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LOCATION L0032139 VOLUME 461406.149 3776947.146 455.95
LOCATION L0032140 VOLUME 461406.128 3776943.546 455.87
LOCATION L0032141 VOLUME 461406.108 3776939.946 455.79
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LOCATION L0032148 VOLUME 461405.968 3776914.746 455.24
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LOCATION L0032150 VOLUME 461405.928 3776907.546 455.09
LOCATION L0032151 VOLUME 461405.907 3776903.946 455.02
LOCATION L0032152 VOLUME 461405.887 3776900.346 454.95
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LOCATION L0032156 VOLUME 461405.807 3776885.947 454.66
LOCATION L0032157 VOLUME 461405.787 3776882.347 454.59
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LOCATION L0032164 VOLUME 461405.646 3776857.147 454.10
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   LOCATION L0032464     VOLUME   461406.533 3775777.404 431.74
   LOCATION L0032465     VOLUME   461407.174 3775773.861 431.64
   LOCATION L0032466     VOLUME   461407.815 3775770.319 431.55
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   LOCATION L0032468     VOLUME   461408.669 3775763.177 431.38
   LOCATION L0032469     VOLUME   461408.984 3775759.590 431.30
   LOCATION L0032470     VOLUME   461409.299 3775756.004 431.23
   LOCATION L0032471     VOLUME   461409.614 3775752.418 431.15
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   LOCATION L0032475     VOLUME   461410.874 3775738.073 430.87
   LOCATION L0032476     VOLUME   461411.189 3775734.487 430.81
   LOCATION L0032477     VOLUME   461411.336 3775730.894 430.75
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   LOCATION L0032480     VOLUME   461411.252 3775720.094 430.56
   LOCATION L0032481     VOLUME   461411.224 3775716.495 430.50
   LOCATION L0032482     VOLUME   461411.197 3775712.895 430.43
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   LOCATION L0032484     VOLUME   461411.141 3775705.695 430.33
   LOCATION L0032485     VOLUME   461411.113 3775702.095 430.28
   LOCATION L0032486     VOLUME   461411.085 3775698.495 430.24
   LOCATION L0032487     VOLUME   461411.057 3775694.895 430.19
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   LOCATION L0032489     VOLUME   461411.001 3775687.695 430.10
   LOCATION L0032490     VOLUME   461410.973 3775684.096 430.06
** End of LINE VOLUME Source ID = SLINE16
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.00012
** Vertical Dimension = 6.22
** SZINIT = 2.89
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** End of LINE VOLUME Source ID = SLINE17
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - EB
** PREFIX
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** Configuration = Adjacent
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** Vertical Dimension = 6.22
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LOCATION L0033504 VOLUME 463486.223 3775673.819 420.85
LOCATION L0033505 VOLUME 463489.823 3775673.797 420.84
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LOCATION L0033535 VOLUME 463597.822 3775673.543 420.26
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LOCATION L0033542 VOLUME 463623.022 3775673.584 420.08
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LOCATION L0033547 VOLUME 463641.022 3775673.613 419.90
LOCATION L0033548 VOLUME 463644.622 3775673.619 419.87
LOCATION L0033549 VOLUME 463648.222 3775673.625 419.85
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LOCATION L0033557 VOLUME 463677.022 3775673.663 419.62

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LOCATION L0033577 VOLUME 463749.022 3775673.423 419.18
LOCATION L0033578 VOLUME 463752.622 3775673.412 419.15
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LOCATION L0033588 VOLUME 463788.621 3775673.292 418.90
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LOCATION L0033626 VOLUME 463925.421 3775672.837 418.09
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LOCATION L0033634 VOLUME 463954.220 3775672.742 417.82
LOCATION L0033635 VOLUME 463957.820 3775672.730 417.80
LOCATION L0033636 VOLUME 463961.420 3775672.718 417.79
LOCATION L0033637 VOLUME 463965.020 3775672.706 417.77
LOCATION L0033638 VOLUME 463968.620 3775672.694 417.76
LOCATION L0033639 VOLUME 463972.220 3775672.682 417.74
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LOCATION L0033642 VOLUME 463983.020 3775672.646 417.71
LOCATION L0033643 VOLUME 463986.620 3775672.634 417.70
LOCATION L0033644 VOLUME 463990.220 3775672.622 417.68
LOCATION L0033645 VOLUME 463993.820 3775672.610 417.67
LOCATION L0033646 VOLUME 463997.420 3775672.598 417.66
LOCATION L0033647 VOLUME 464001.020 3775672.586 417.64
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LOCATION L0033649 VOLUME 464008.220 3775672.562 417.61
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LOCATION L0033651 VOLUME 464015.420 3775672.538 417.58
LOCATION L0033652 VOLUME 464019.020 3775672.526 417.56
LOCATION L0033653 VOLUME 464022.620 3775672.515 417.55
LOCATION L0033654 VOLUME 464026.220 3775672.503 417.53
LOCATION L0033655 VOLUME 464029.820 3775672.491 417.52
LOCATION L0033656 VOLUME 464033.420 3775672.479 417.50
LOCATION L0033657 VOLUME 464037.020 3775672.467 417.49

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   LOCATION L0033658     VOLUME   464040.620 3775672.455 417.48
   LOCATION L0033659     VOLUME   464042.829 3775673.870 417.51
   LOCATION L0033660     VOLUME   464042.908 3775677.469 417.63
   LOCATION L0033661     VOLUME   464042.988 3775681.068 417.74
** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - WB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.000352
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
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** 463910.999, 3775681.907, 418.19, 3.70, 1.67
** 463678.230, 3775684.211, 419.60, 3.70, 1.67
** 463374.288, 3775685.703, 421.72, 3.70, 1.67
** 463032.658, 3775687.058, 423.66, 3.70, 1.67
** 462832.289, 3775689.092, 424.94, 3.70, 1.67
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   LOCATION L0033664     VOLUME   464031.602 3775681.024 417.76
   LOCATION L0033665     VOLUME   464028.002 3775681.050 417.77
   LOCATION L0033666     VOLUME   464024.402 3775681.076 417.77
   LOCATION L0033667     VOLUME   464020.802 3775681.103 417.78
   LOCATION L0033668     VOLUME   464017.202 3775681.129 417.80
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   LOCATION L0033670     VOLUME   464010.002 3775681.182 417.82
   LOCATION L0033671     VOLUME   464006.403 3775681.208 417.83
   LOCATION L0033672     VOLUME   464002.803 3775681.235 417.84
   LOCATION L0033673     VOLUME   463999.203 3775681.261 417.85
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   LOCATION L0033676     VOLUME   463988.403 3775681.340 417.87
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   LOCATION L0033678     VOLUME   463981.203 3775681.393 417.88
   LOCATION L0033679     VOLUME   463977.603 3775681.419 417.88
   LOCATION L0033680     VOLUME   463974.003 3775681.445 417.89
   LOCATION L0033681     VOLUME   463970.403 3775681.472 417.89
   LOCATION L0033682     VOLUME   463966.804 3775681.498 417.90
   LOCATION L0033683     VOLUME   463963.204 3775681.525 417.90
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LOCATION L0033684 VOLUME 463959.604 3775681.551 417.91
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** Source Parameters **
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   SRCPARAM L0034399     0.0000009385      3.70      1.67      2.89
   SRCPARAM L0034400     0.0000009385      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE6
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   SRCPARAM L0034403     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034404     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034405     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034406     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034407     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034408     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034409     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034410     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034411     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034412     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034413     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034414     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034415     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034416     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034417     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034418     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034419     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034420     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034421     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034422     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034423     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034424     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034425     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034426     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034427     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034428     0.0000002806      3.70      1.67      2.89
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   SRCPARAM L0034429     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034430     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034431     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034432     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034433     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034434     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034435     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034436     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034437     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034438     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034439     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034440     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034441     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034442     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034443     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034444     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034445     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034446     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034447     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034448     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034449     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034450     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034451     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034452     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034453     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034454     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034455     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034456     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034457     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034458     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034459     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034460     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034461     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034462     0.0000002806      3.70      1.67      2.89
   SRCPARAM L0034463     0.0000002806      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0034464     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034465     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034466     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034467     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034468     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034469     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034470     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034471     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034472     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034473     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034474     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034475     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034476     0.0000004298      3.70      1.67      2.89
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SRCPARAM L0034477     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034478     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034479     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034480     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034481     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034482     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034483     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034484     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034485     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034486     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034487     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034488     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034489     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034490     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034491     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034492     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034493     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034494     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034495     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034496     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034497     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034498     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034499     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034500     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034501     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034502     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034503     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034504     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034505     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034506     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034507     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034508     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034509     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034510     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034511     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034512     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034513     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034514     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034515     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034516     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034517     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034518     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034519     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034520     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034521     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034522     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034523     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034524     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034525     0.0000004298      3.70      1.67      2.89
SRCPARAM L0034526     0.0000004298      3.70      1.67      2.89
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   SRCPARAM L0034527     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034528     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034529     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034530     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034531     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034532     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034533     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034534     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034535     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034536     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034537     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034538     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034539     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034540     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034541     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034542     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034543     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034544     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034545     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034546     0.0000004298      3.70      1.67      2.89
   SRCPARAM L0034547     0.0000004298      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0034548     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034549     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034550     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034551     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034552     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034553     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034554     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034555     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034556     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034557     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034558     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034559     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034560     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034561     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034562     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034563     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034564     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034565     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034566     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034567     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034568     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034569     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034570     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034571     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034572     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034573     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034574     0.0000001843      3.70      1.67      2.89
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   SRCPARAM L0034575     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034576     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034577     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034578     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034579     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034580     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034581     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034582     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034583     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034584     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034585     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034586     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034587     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034588     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034589     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034590     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034591     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034592     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034593     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034594     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034595     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034596     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034597     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034598     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034599     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034600     0.0000001843      3.70      1.67      2.89
   SRCPARAM L0034601     0.0000001843      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0034602     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034603     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034604     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034605     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034606     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034607     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034608     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034609     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034610     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034611     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034612     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034613     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034614     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034615     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034616     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034617     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034618     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034619     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034620     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034621     0.0000002847      3.70      1.67      2.89
   SRCPARAM L0034622     0.0000002847      3.70      1.67      2.89
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SRCPARAM L0034623     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034624     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034625     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034626     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034627     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034628     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034629     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034630     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034631     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034632     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034633     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034634     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034635     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034636     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034637     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034638     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034639     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034640     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034641     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034642     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034643     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034644     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034645     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034646     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034647     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034648     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034649     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034650     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034651     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034652     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034653     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034654     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034655     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034656     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034657     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034658     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034659     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034660     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034661     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034662     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034663     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034664     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034665     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034666     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034667     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034668     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034669     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034670     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034671     0.0000002847      3.70      1.67      2.89
SRCPARAM L0034672     0.0000002847      3.70      1.67      2.89
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   SRCPARAM L0034673     0.0000002847      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0031545     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031546     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031547     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031548     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031549     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031550     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031551     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031552     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031553     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031554     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031555     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031556     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031557     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031562     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031565     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031566     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031567     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031568     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031569     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031570     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031571     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031572     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031573     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031574     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031575     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031576     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031577     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031578     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031579     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031580     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031581     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031582     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031583     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031584     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031585     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031588     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031589     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031591     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031596     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031598     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031600     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031601     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031602     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031603     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031604     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031605     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031606     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031607     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031608     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031609     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031610     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031611     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031612     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031613     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031614     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031615     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031616     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031618     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031619     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031620     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031621     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031622     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031623     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031625     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031627     0.0000003786      3.70      1.67      2.89
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SRCPARAM L0031629     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031630     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031631     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031632     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031633     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031634     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031635     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031636     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031637     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031638     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031639     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031640     0.0000003786      3.70      1.67      2.89
SRCPARAM L0031641     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031642     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031644     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031645     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031648     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031649     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031650     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031651     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031652     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031660     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031662     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031663     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031665     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031666     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031667     0.0000003786      3.70      1.67      2.89
   SRCPARAM L0031668     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031670     0.0000003786      3.70      1.67      2.89
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   SRCPARAM L0031674     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031675     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031676     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031677     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031678     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031679     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031680     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031681     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031682     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031683     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031684     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031685     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031686     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031687     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031688     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031689     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031690     0.000000378      3.70      1.67      2.89
SRCPARAM L0031691     0.000000378      3.70      1.67      2.89
SRCPARAM L0031692     0.000000378      3.70      1.67      2.89
SRCPARAM L0031693     0.000000378      3.70      1.67      2.89
SRCPARAM L0031694     0.000000378      3.70      1.67      2.89
SRCPARAM L0031695     0.000000378      3.70      1.67      2.89
SRCPARAM L0031696     0.000000378      3.70      1.67      2.89
SRCPARAM L0031697     0.000000378      3.70      1.67      2.89
SRCPARAM L0031698     0.000000378      3.70      1.67      2.89
SRCPARAM L0031699     0.000000378      3.70      1.67      2.89
SRCPARAM L0031700     0.000000378      3.70      1.67      2.89
SRCPARAM L0031701     0.000000378      3.70      1.67      2.89
SRCPARAM L0031702     0.000000378      3.70      1.67      2.89
SRCPARAM L0031703     0.000000378      3.70      1.67      2.89
SRCPARAM L0031704     0.000000378      3.70      1.67      2.89
SRCPARAM L0031705     0.000000378      3.70      1.67      2.89
SRCPARAM L0031706     0.000000378      3.70      1.67      2.89
SRCPARAM L0031707     0.000000378      3.70      1.67      2.89
SRCPARAM L0031708     0.000000378      3.70      1.67      2.89
SRCPARAM L0031709     0.000000378      3.70      1.67      2.89
SRCPARAM L0031710     0.000000378      3.70      1.67      2.89
SRCPARAM L0031711     0.000000378      3.70      1.67      2.89
SRCPARAM L0031712     0.000000378      3.70      1.67      2.89
SRCPARAM L0031713     0.000000378      3.70      1.67      2.89
SRCPARAM L0031714     0.000000378      3.70      1.67      2.89
SRCPARAM L0031715     0.000000378      3.70      1.67      2.89
SRCPARAM L0031716     0.000000378      3.70      1.67      2.89
SRCPARAM L0031717     0.000000378      3.70      1.67      2.89
SRCPARAM L0031718     0.000000378      3.70      1.67      2.89
SRCPARAM L0031719     0.000000378      3.70      1.67      2.89
SRCPARAM L0031720     0.000000378      3.70      1.67      2.89
SRCPARAM L0031721     0.000000378      3.70      1.67      2.89
SRCPARAM L0031722     0.000000378      3.70      1.67      2.89
SRCPARAM L0031723     0.000000378      3.70      1.67      2.89
SRCPARAM L0031724     0.000000378      3.70      1.67      2.89
SRCPARAM L0031725     0.000000378      3.70      1.67      2.89
SRCPARAM L0031726     0.000000378      3.70      1.67      2.89
SRCPARAM L0031727     0.000000378      3.70      1.67      2.89
SRCPARAM L0031728     0.000000378      3.70      1.67      2.89
SRCPARAM L0031729     0.000000378      3.70      1.67      2.89
SRCPARAM L0031730     0.000000378      3.70      1.67      2.89
SRCPARAM L0031731     0.000000378      3.70      1.67      2.89
SRCPARAM L0031732     0.000000378      3.70      1.67      2.89
SRCPARAM L0031733     0.000000378      3.70      1.67      2.89
SRCPARAM L0031734     0.000000378      3.70      1.67      2.89
SRCPARAM L0031735     0.000000378      3.70      1.67      2.89
SRCPARAM L0031736     0.000000378      3.70      1.67      2.89
SRCPARAM L0031737     0.000000378      3.70      1.67      2.89
SRCPARAM L0031738     0.000000378      3.70      1.67      2.89
SRCPARAM L0031739     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031741     0.000000378      3.70      1.67      2.89
SRCPARAM L0031742     0.000000378      3.70      1.67      2.89
SRCPARAM L0031743     0.000000378      3.70      1.67      2.89
SRCPARAM L0031744     0.000000378      3.70      1.67      2.89
SRCPARAM L0031745     0.000000378      3.70      1.67      2.89
SRCPARAM L0031746     0.000000378      3.70      1.67      2.89
SRCPARAM L0031747     0.000000378      3.70      1.67      2.89
SRCPARAM L0031748     0.000000378      3.70      1.67      2.89
SRCPARAM L0031749     0.000000378      3.70      1.67      2.89
SRCPARAM L0031750     0.000000378      3.70      1.67      2.89
SRCPARAM L0031751     0.000000378      3.70      1.67      2.89
SRCPARAM L0031752     0.000000378      3.70      1.67      2.89
SRCPARAM L0031753     0.000000378      3.70      1.67      2.89
SRCPARAM L0031754     0.000000378      3.70      1.67      2.89
SRCPARAM L0031755     0.000000378      3.70      1.67      2.89
SRCPARAM L0031756     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031761     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031763     0.000000378      3.70      1.67      2.89
SRCPARAM L0031764     0.000000378      3.70      1.67      2.89
SRCPARAM L0031765     0.000000378      3.70      1.67      2.89
SRCPARAM L0031766     0.000000378      3.70      1.67      2.89
SRCPARAM L0031767     0.000000378      3.70      1.67      2.89
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SRCPARAM L0031769     0.000000378      3.70      1.67      2.89
SRCPARAM L0031770     0.000000378      3.70      1.67      2.89
SRCPARAM L0031771     0.000000378      3.70      1.67      2.89
SRCPARAM L0031772     0.000000378      3.70      1.67      2.89
SRCPARAM L0031773     0.000000378      3.70      1.67      2.89
SRCPARAM L0031774     0.000000378      3.70      1.67      2.89
SRCPARAM L0031775     0.000000378      3.70      1.67      2.89
SRCPARAM L0031776     0.000000378      3.70      1.67      2.89
SRCPARAM L0031777     0.000000378      3.70      1.67      2.89
SRCPARAM L0031778     0.000000378      3.70      1.67      2.89
SRCPARAM L0031779     0.000000378      3.70      1.67      2.89
SRCPARAM L0031780     0.000000378      3.70      1.67      2.89
SRCPARAM L0031781     0.000000378      3.70      1.67      2.89
SRCPARAM L0031782     0.000000378      3.70      1.67      2.89
SRCPARAM L0031783     0.000000378      3.70      1.67      2.89
SRCPARAM L0031784     0.000000378      3.70      1.67      2.89
SRCPARAM L0031785     0.000000378      3.70      1.67      2.89
SRCPARAM L0031786     0.000000378      3.70      1.67      2.89
SRCPARAM L0031787     0.000000378      3.70      1.67      2.89
SRCPARAM L0031788     0.000000378      3.70      1.67      2.89
SRCPARAM L0031789     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031792     0.000000378      3.70      1.67      2.89
   SRCPARAM L0031793     0.000000378      3.70      1.67      2.89
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   SRCPARAM L0031806     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031807     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031808     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031809     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031810     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031811     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031812     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031813     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031814     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031815     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031816     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031817     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031818     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031819     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031820     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031821     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031822     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031823     0.0000002632      3.70      1.67      2.89
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   SRCPARAM L0031830     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031831     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031832     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031833     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031834     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031835     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031836     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031837     0.0000002632      3.70      1.67      2.89
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   SRCPARAM L0031842     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031843     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031844     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031845     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031846     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031847     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031848     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031849     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031850     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031851     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031852     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031853     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031854     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031855     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031856     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031857     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031858     0.0000002632      3.70      1.67      2.89
   SRCPARAM L0031859     0.0000002632      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0031860     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031861     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031862     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031863     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031864     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031865     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031866     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031867     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031868     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031869     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031870     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031871     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031872     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031873     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031874     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031875     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031876     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031877     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031878     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031879     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031880     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031881     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031882     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031883     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031884     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031885     0.0000003099      3.70      1.67      2.89
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SRCPARAM L0031886     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031887     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031888     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031889     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031890     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031891     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031892     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031893     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031894     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031895     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031896     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031897     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031898     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031899     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031900     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031901     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031902     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031903     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031904     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031905     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031906     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031907     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031908     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031909     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031910     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031911     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031912     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031913     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031914     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031915     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031916     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031917     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031918     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031919     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031920     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031921     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031922     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031923     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031924     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031925     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031926     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031927     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031928     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031929     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031930     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031931     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031932     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031933     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031934     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031935     0.0000003099      3.70      1.67      2.89
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SRCPARAM L0031936     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031937     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031938     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031939     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031940     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031941     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031942     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031943     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031944     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031945     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031946     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031947     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031948     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031949     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031950     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031951     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031952     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031953     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031954     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031955     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031956     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031957     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031958     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031959     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031960     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031961     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031962     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031963     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031964     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031965     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031966     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031967     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031968     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031969     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031970     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031971     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031972     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031973     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031974     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031975     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031976     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031977     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031978     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031979     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031980     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031981     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031982     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031983     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031984     0.0000003099      3.70      1.67      2.89
SRCPARAM L0031985     0.0000003099      3.70      1.67      2.89
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   SRCPARAM L0031986     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031987     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031988     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031989     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031990     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031991     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031992     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031993     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031994     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031995     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031996     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031997     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031998     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0031999     0.0000003099      3.70      1.67      2.89
   SRCPARAM L0032000     0.0000003099      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0032001     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032002     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032003     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032004     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032005     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032006     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032007     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032008     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032009     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032010     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032011     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032012     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032013     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032014     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032015     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032016     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032017     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032018     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032019     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032020     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032021     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032022     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032023     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032024     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032025     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032026     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032027     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032028     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032029     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032030     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032031     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032032     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032033     0.0000002627      3.70      1.67      2.89
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   SRCPARAM L0032034     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032035     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032036     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032037     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032038     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032039     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032040     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032041     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032042     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032043     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032044     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032045     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032046     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032047     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032048     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032049     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032050     0.0000002627      3.70      1.67      2.89
   SRCPARAM L0032051     0.0000002627      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0031118     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031119     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031120     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031121     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031122     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031123     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031124     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031125     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031126     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031127     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031128     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031129     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031130     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031131     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031132     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031133     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031134     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031135     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031136     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031137     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031138     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031139     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031140     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031141     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031142     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031143     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031144     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031145     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031146     0.0000003106      3.70      1.67      2.89
   SRCPARAM L0031147     0.0000003106      3.70      1.67      2.89
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SRCPARAM L0031148     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031149     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031150     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031151     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031152     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031153     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031154     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031155     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031156     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031157     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031158     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031159     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031160     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031161     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031162     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031163     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031164     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031165     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031166     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031167     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031168     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031169     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031170     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031171     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031172     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031173     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031174     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031175     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031176     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031177     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031178     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031179     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031180     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031181     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031182     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031183     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031184     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031185     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031186     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031187     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031188     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031189     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031190     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031191     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031192     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031193     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031194     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031195     0.0000003106      3.70      1.67      2.89
SRCPARAM L0031196     0.0000003106      3.70      1.67      2.89
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SRCPARAM L0034334     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034335     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034336     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034337     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034338     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034339     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034340     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034341     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034342     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034343     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034344     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034345     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034346     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034347     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034348     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034349     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034350     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034351     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034352     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034353     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034354     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034355     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034356     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034357     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034358     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034359     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034360     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034361     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034362     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034363     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034364     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034365     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034366     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034367     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034368     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034369     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034370     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034371     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034372     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034373     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034374     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034375     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034376     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034377     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034378     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034379     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034380     0.0000004842      3.70      1.67      2.89
SRCPARAM L0034381     0.0000004842      3.70      1.67      2.89
```

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   SRCPARAM L0034382     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034383     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034384     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034385     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034386     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034387     0.0000004842      3.70      1.67      2.89
   SRCPARAM L0034388     0.0000004842      3.70      1.67      2.89
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Olive Grove Rialto.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Olive Grove Rialto.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "Olive Grove Rialto.AD\PE00GALL.PLT" 32
   SUMMFILE "Olive Grove Rialto.sum"
OU FINISHED
```

```
 *** Message Summary For AERMOD Model Setup ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    6934       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187    6934       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       16:00:55

                                     PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for  3271 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
```

```
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:   3271 Source(s);       1 Source Group(s); and     610
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:   3271 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
```

```
                  Emission Units = GRAMS/SEC                                    ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.9 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Olive Grove Rialto.err

 **File for Summary of Results:   Olive Grove Rialto.sum

 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        16:00:55

                                      PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0034389         0   0.93850E-06  464043.0 3775685.3   417.9     3.70     1.67
2.89     YES
 L0034390         0   0.93850E-06  464042.9 3775688.9   418.0     3.70     1.67
2.89     YES
 L0034391         0   0.93850E-06  464042.8 3775692.5   418.1     3.70     1.67
2.89     YES
 L0034392         0   0.93850E-06  464042.8 3775696.1   418.2     3.70     1.67
2.89     YES
 L0034393         0   0.93850E-06  464042.7 3775699.7   418.3     3.70     1.67
2.89     YES
 L0034394         0   0.93850E-06  464042.6 3775703.3   418.4     3.70     1.67
2.89     YES
 L0034395         0   0.93850E-06  464042.6 3775706.9   418.5     3.70     1.67
2.89     YES
 L0034396         0   0.93850E-06  464042.5 3775710.5   418.6     3.70     1.67
```

2.89 YES
L0034397 0 0.93850E-06 464042.4 3775714.1 418.7 3.70 1.67
2.89 YES
L0034398 0 0.93850E-06 464042.3 3775717.7 418.7 3.70 1.67
2.89 YES
L0034399 0 0.93850E-06 464042.3 3775721.3 418.8 3.70 1.67
2.89 YES
L0034400 0 0.93850E-06 464042.2 3775724.9 418.9 3.70 1.67
2.89 YES
L0034401 0 0.93850E-06 464042.1 3775728.5 419.0 3.70 1.67
2.89 YES
L0034402 0 0.28060E-06 464043.8 3775729.8 419.0 3.70 1.67
2.89 YES
L0034403 0 0.28060E-06 464047.3 3775730.7 419.0 3.70 1.67
2.89 YES
L0034404 0 0.28060E-06 464050.8 3775731.7 419.0 3.70 1.67
2.89 YES
L0034405 0 0.28060E-06 464054.2 3775732.7 419.0 3.70 1.67
2.89 YES
L0034406 0 0.28060E-06 464057.5 3775734.2 419.0 3.70 1.67
2.89 YES
L0034407 0 0.28060E-06 464060.7 3775735.8 419.0 3.70 1.67
2.89 YES
L0034408 0 0.28060E-06 464063.9 3775737.4 419.0 3.70 1.67
2.89 YES
L0034409 0 0.28060E-06 464065.6 3775740.6 419.1 3.70 1.67
2.89 YES
L0034410 0 0.28060E-06 464067.3 3775743.7 419.1 3.70 1.67
2.89 YES
L0034411 0 0.28060E-06 464069.1 3775746.9 419.1 3.70 1.67
2.89 YES
L0034412 0 0.28060E-06 464070.0 3775750.3 419.1 3.70 1.67
2.89 YES
L0034413 0 0.28060E-06 464070.5 3775753.9 419.1 3.70 1.67
2.89 YES
L0034414 0 0.28060E-06 464070.9 3775757.4 419.1 3.70 1.67
2.89 YES
L0034415 0 0.28060E-06 464071.3 3775761.0 419.2 3.70 1.67
2.89 YES
L0034416 0 0.28060E-06 464071.3 3775764.6 419.1 3.70 1.67
2.89 YES
L0034417 0 0.28060E-06 464071.3 3775768.2 419.1 3.70 1.67
2.89 YES
L0034418 0 0.28060E-06 464071.3 3775771.8 419.1 3.70 1.67
2.89 YES
L0034419 0 0.28060E-06 464071.3 3775775.4 419.0 3.70 1.67
2.89 YES
L0034420 0 0.28060E-06 464071.3 3775779.0 419.0 3.70 1.67
2.89 YES
L0034421 0 0.28060E-06 464071.3 3775782.6 418.9 3.70 1.67

2.89 YES
L0034422 0 0.28060E-06 464071.3 3775786.2 418.9 3.70 1.67
2.89 YES
L0034423 0 0.28060E-06 464071.3 3775789.8 418.9 3.70 1.67
2.89 YES
L0034424 0 0.28060E-06 464071.4 3775793.4 418.9 3.70 1.67
2.89 YES
L0034425 0 0.28060E-06 464071.4 3775797.0 418.9 3.70 1.67
2.89 YES
L0034426 0 0.28060E-06 464071.4 3775800.6 418.9 3.70 1.67
2.89 YES
L0034427 0 0.28060E-06 464071.4 3775804.2 419.0 3.70 1.67
2.89 YES
L0034428 0 0.28060E-06 464071.4 3775807.8 419.0 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034429	0	0.28060E-06	464071.5	3775811.4	419.0	3.70	1.67	2.89	YES	
L0034430	0	0.28060E-06	464071.5	3775815.0	419.1	3.70	1.67	2.89	YES	
L0034431	0	0.28060E-06	464071.5	3775818.6	419.1	3.70	1.67	2.89	YES	
L0034432	0	0.28060E-06	464071.5	3775822.2	419.1	3.70	1.67	2.89	YES	
L0034433	0	0.28060E-06	464071.6	3775825.8	419.2	3.70	1.67	2.89	YES	
L0034434	0	0.28060E-06	464071.6	3775829.4	419.2	3.70	1.67	2.89	YES	
L0034435	0	0.28060E-06	464071.6	3775833.0	419.3	3.70	1.67	2.89	YES	
L0034436	0	0.28060E-06	464071.6	3775836.6	419.4	3.70	1.67			

2.89 YES
L0034437 0 0.28060E-06 464071.6 3775840.2 419.4 3.70 1.67
2.89 YES
L0034438 0 0.28060E-06 464071.7 3775843.8 419.5 3.70 1.67
2.89 YES
L0034439 0 0.28060E-06 464071.7 3775847.4 419.5 3.70 1.67
2.89 YES
L0034440 0 0.28060E-06 464071.7 3775851.0 419.6 3.70 1.67
2.89 YES
L0034441 0 0.28060E-06 464071.7 3775854.6 419.6 3.70 1.67
2.89 YES
L0034442 0 0.28060E-06 464071.7 3775858.2 419.7 3.70 1.67
2.89 YES
L0034443 0 0.28060E-06 464071.8 3775861.8 419.7 3.70 1.67
2.89 YES
L0034444 0 0.28060E-06 464071.8 3775865.4 419.8 3.70 1.67
2.89 YES
L0034445 0 0.28060E-06 464071.8 3775869.0 419.8 3.70 1.67
2.89 YES
L0034446 0 0.28060E-06 464071.8 3775872.6 419.9 3.70 1.67
2.89 YES
L0034447 0 0.28060E-06 464071.9 3775876.2 419.9 3.70 1.67
2.89 YES
L0034448 0 0.28060E-06 464071.9 3775879.8 420.0 3.70 1.67
2.89 YES
L0034449 0 0.28060E-06 464071.9 3775883.4 420.0 3.70 1.67
2.89 YES
L0034450 0 0.28060E-06 464071.9 3775887.0 420.1 3.70 1.67
2.89 YES
L0034451 0 0.28060E-06 464071.9 3775890.6 420.2 3.70 1.67
2.89 YES
L0034452 0 0.28060E-06 464072.0 3775894.2 420.4 3.70 1.67
2.89 YES
L0034453 0 0.28060E-06 464072.0 3775897.8 420.4 3.70 1.67
2.89 YES
L0034454 0 0.28060E-06 464072.0 3775901.4 420.6 3.70 1.67
2.89 YES
L0034455 0 0.28060E-06 464072.0 3775905.0 420.7 3.70 1.67
2.89 YES
L0034456 0 0.28060E-06 464072.0 3775908.6 420.8 3.70 1.67
2.89 YES
L0034457 0 0.28060E-06 464072.1 3775912.2 420.9 3.70 1.67
2.89 YES
L0034458 0 0.28060E-06 464072.1 3775915.8 421.0 3.70 1.67
2.89 YES
L0034459 0 0.28060E-06 464072.1 3775919.4 421.1 3.70 1.67
2.89 YES
L0034460 0 0.28060E-06 464072.1 3775923.0 421.2 3.70 1.67
2.89 YES
L0034461 0 0.28060E-06 464072.2 3775926.6 421.4 3.70 1.67

2.89 YES
L0034462 0 0.28060E-06 464072.2 3775930.2 421.5 3.70 1.67
2.89 YES
L0034463 0 0.28060E-06 464072.2 3775933.8 421.6 3.70 1.67
2.89 YES
L0034464 0 0.42980E-06 464039.8 3775729.3 419.0 3.70 1.67
2.89 YES
L0034465 0 0.42980E-06 464036.3 3775730.2 419.0 3.70 1.67
2.89 YES
L0034466 0 0.42980E-06 464032.8 3775731.1 419.0 3.70 1.67
2.89 YES
L0034467 0 0.42980E-06 464029.3 3775731.9 419.0 3.70 1.67
2.89 YES
L0034468 0 0.42980E-06 464025.8 3775732.8 419.0 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034469	0	0.42980E-06	464022.4	3775734.0	419.1	3.70	1.67	2.89	YES	
L0034470	0	0.42980E-06	464019.0	3775735.1	419.1	3.70	1.67	2.89	YES	
L0034471	0	0.42980E-06	464015.9	3775736.8	419.1	3.70	1.67	2.89	YES	
L0034472	0	0.42980E-06	464012.8	3775738.8	419.2	3.70	1.67	2.89	YES	
L0034473	0	0.42980E-06	464009.9	3775740.8	419.2	3.70	1.67	2.89	YES	
L0034474	0	0.42980E-06	464007.4	3775743.4	419.2	3.70	1.67	2.89	YES	
L0034475	0	0.42980E-06	464005.1	3775746.1	419.3	3.70	1.67	2.89	YES	
L0034476	0	0.42980E-06	464004.1	3775749.6	419.3	3.70	1.67			

2.89 YES
L0034477 0 0.42980E-06 464003.1 3775753.0 419.4 3.70 1.67
2.89 YES
L0034478 0 0.42980E-06 464002.8 3775756.6 419.4 3.70 1.67
2.89 YES
L0034479 0 0.42980E-06 464002.7 3775760.2 419.5 3.70 1.67
2.89 YES
L0034480 0 0.42980E-06 464002.5 3775763.8 419.5 3.70 1.67
2.89 YES
L0034481 0 0.42980E-06 464002.4 3775767.4 419.6 3.70 1.67
2.89 YES
L0034482 0 0.42980E-06 464002.3 3775771.0 419.6 3.70 1.67
2.89 YES
L0034483 0 0.42980E-06 464002.2 3775774.6 419.7 3.70 1.67
2.89 YES
L0034484 0 0.42980E-06 464002.1 3775778.2 419.7 3.70 1.67
2.89 YES
L0034485 0 0.42980E-06 464002.1 3775781.8 419.8 3.70 1.67
2.89 YES
L0034486 0 0.42980E-06 464002.1 3775785.4 419.8 3.70 1.67
2.89 YES
L0034487 0 0.42980E-06 464002.1 3775789.0 419.9 3.70 1.67
2.89 YES
L0034488 0 0.42980E-06 464002.1 3775792.6 419.9 3.70 1.67
2.89 YES
L0034489 0 0.42980E-06 464002.1 3775796.2 419.9 3.70 1.67
2.89 YES
L0034490 0 0.42980E-06 464002.1 3775799.8 420.0 3.70 1.67
2.89 YES
L0034491 0 0.42980E-06 464002.1 3775803.4 420.1 3.70 1.67
2.89 YES
L0034492 0 0.42980E-06 464002.1 3775807.0 420.1 3.70 1.67
2.89 YES
L0034493 0 0.42980E-06 464002.0 3775810.6 420.2 3.70 1.67
2.89 YES
L0034494 0 0.42980E-06 464002.0 3775814.2 420.2 3.70 1.67
2.89 YES
L0034495 0 0.42980E-06 464002.0 3775817.8 420.2 3.70 1.67
2.89 YES
L0034496 0 0.42980E-06 464002.0 3775821.4 420.3 3.70 1.67
2.89 YES
L0034497 0 0.42980E-06 464002.0 3775825.0 420.4 3.70 1.67
2.89 YES
L0034498 0 0.42980E-06 464002.0 3775828.6 420.4 3.70 1.67
2.89 YES
L0034499 0 0.42980E-06 464002.0 3775832.2 420.5 3.70 1.67
2.89 YES
L0034500 0 0.42980E-06 464002.0 3775835.8 420.5 3.70 1.67
2.89 YES
L0034501 0 0.42980E-06 464002.0 3775839.4 420.6 3.70 1.67

2.89 YES
L0034502 0 0.42980E-06 464001.9 3775843.0 420.7 3.70 1.67
2.89 YES
L0034503 0 0.42980E-06 464001.9 3775846.6 420.7 3.70 1.67
2.89 YES
L0034504 0 0.42980E-06 464001.9 3775850.2 420.8 3.70 1.67
2.89 YES
L0034505 0 0.42980E-06 464001.9 3775853.8 420.9 3.70 1.67
2.89 YES
L0034506 0 0.42980E-06 464001.9 3775857.4 420.9 3.70 1.67
2.89 YES
L0034507 0 0.42980E-06 464001.9 3775861.0 421.0 3.70 1.67
2.89 YES
L0034508 0 0.42980E-06 464001.9 3775864.6 421.0 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034509	0	0.42980E-06	464001.9	3775868.2	421.1	3.70	1.67	2.89	YES	
L0034510	0	0.42980E-06	464001.9	3775871.8	421.1	3.70	1.67	2.89	YES	
L0034511	0	0.42980E-06	464001.9	3775875.4	421.2	3.70	1.67	2.89	YES	
L0034512	0	0.42980E-06	464001.8	3775879.0	421.2	3.70	1.67	2.89	YES	
L0034513	0	0.42980E-06	464001.8	3775882.6	421.3	3.70	1.67	2.89	YES	
L0034514	0	0.42980E-06	464001.8	3775886.2	421.3	3.70	1.67	2.89	YES	
L0034515	0	0.42980E-06	464001.8	3775889.8	421.4	3.70	1.67	2.89	YES	
L0034516	0	0.42980E-06	464001.8	3775893.4	421.4	3.70	1.67			

2.89 YES
L0034517 0 0.42980E-06 464001.8 3775897.0 421.5 3.70 1.67
2.89 YES
L0034518 0 0.42980E-06 464001.8 3775900.6 421.5 3.70 1.67
2.89 YES
L0034519 0 0.42980E-06 464001.8 3775904.2 421.6 3.70 1.67
2.89 YES
L0034520 0 0.42980E-06 464001.8 3775907.8 421.6 3.70 1.67
2.89 YES
L0034521 0 0.42980E-06 464001.8 3775911.4 421.7 3.70 1.67
2.89 YES
L0034522 0 0.42980E-06 464001.7 3775915.0 421.8 3.70 1.67
2.89 YES
L0034523 0 0.42980E-06 464001.7 3775918.6 421.8 3.70 1.67
2.89 YES
L0034524 0 0.42980E-06 464001.7 3775922.2 421.9 3.70 1.67
2.89 YES
L0034525 0 0.42980E-06 464001.7 3775925.8 422.0 3.70 1.67
2.89 YES
L0034526 0 0.42980E-06 464001.7 3775929.4 422.0 3.70 1.67
2.89 YES
L0034527 0 0.42980E-06 464001.7 3775933.0 422.1 3.70 1.67
2.89 YES
L0034528 0 0.42980E-06 464001.7 3775936.6 422.2 3.70 1.67
2.89 YES
L0034529 0 0.42980E-06 464001.7 3775940.2 422.2 3.70 1.67
2.89 YES
L0034530 0 0.42980E-06 464001.7 3775943.8 422.3 3.70 1.67
2.89 YES
L0034531 0 0.42980E-06 464001.6 3775947.4 422.4 3.70 1.67
2.89 YES
L0034532 0 0.42980E-06 464001.6 3775951.0 422.5 3.70 1.67
2.89 YES
L0034533 0 0.42980E-06 464001.6 3775954.6 422.5 3.70 1.67
2.89 YES
L0034534 0 0.42980E-06 464001.6 3775958.2 422.6 3.70 1.67
2.89 YES
L0034535 0 0.42980E-06 464001.6 3775961.8 422.7 3.70 1.67
2.89 YES
L0034536 0 0.42980E-06 464001.6 3775965.4 422.8 3.70 1.67
2.89 YES
L0034537 0 0.42980E-06 464001.6 3775969.0 422.8 3.70 1.67
2.89 YES
L0034538 0 0.42980E-06 464001.6 3775972.6 422.9 3.70 1.67
2.89 YES
L0034539 0 0.42980E-06 464001.6 3775976.2 423.0 3.70 1.67
2.89 YES
L0034540 0 0.42980E-06 464001.6 3775979.8 423.0 3.70 1.67
2.89 YES
L0034541 0 0.42980E-06 464001.5 3775983.4 423.1 3.70 1.67

2.89 YES
L0034542 0 0.42980E-06 464001.5 3775987.0 423.1 3.70 1.67
2.89 YES
L0034543 0 0.42980E-06 464001.5 3775990.6 423.1 3.70 1.67
2.89 YES
L0034544 0 0.42980E-06 464001.5 3775994.2 423.1 3.70 1.67
2.89 YES
L0034545 0 0.42980E-06 464001.5 3775997.8 423.2 3.70 1.67
2.89 YES
L0034546 0 0.42980E-06 464001.5 3776001.4 423.2 3.70 1.67
2.89 YES
L0034547 0 0.42980E-06 464001.5 3776005.0 423.2 3.70 1.67
2.89 YES
L0034548 0 0.18430E-06 464091.9 3775931.2 421.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0034549	0	0.18430E-06	464091.9	3775927.6	421.7	3.70	1.67	2.89	YES	
L0034550	0	0.18430E-06	464091.8	3775924.0	421.6	3.70	1.67	2.89	YES	
L0034551	0	0.18430E-06	464091.8	3775920.4	421.5	3.70	1.67	2.89	YES	
L0034552	0	0.18430E-06	464091.8	3775916.8	421.5	3.70	1.67	2.89	YES	
L0034553	0	0.18430E-06	464091.8	3775913.2	421.4	3.70	1.67	2.89	YES	
L0034554	0	0.18430E-06	464091.7	3775909.6	421.3	3.70	1.67	2.89	YES	
L0034555	0	0.18430E-06	464091.7	3775906.0	421.2	3.70	1.67	2.89	YES	
L0034556	0	0.18430E-06	464091.7	3775902.4	421.1	3.70	1.67			

2.89 YES
L0034557 0 0.18430E-06 464091.7 3775898.8 421.0 3.70 1.67
2.89 YES
L0034558 0 0.18430E-06 464091.7 3775895.2 420.9 3.70 1.67
2.89 YES
L0034559 0 0.18430E-06 464091.6 3775891.6 420.8 3.70 1.67
2.89 YES
L0034560 0 0.18430E-06 464091.6 3775888.0 420.7 3.70 1.67
2.89 YES
L0034561 0 0.18430E-06 464091.6 3775884.4 420.6 3.70 1.67
2.89 YES
L0034562 0 0.18430E-06 464091.6 3775880.8 420.6 3.70 1.67
2.89 YES
L0034563 0 0.18430E-06 464091.5 3775877.2 420.5 3.70 1.67
2.89 YES
L0034564 0 0.18430E-06 464091.5 3775873.6 420.4 3.70 1.67
2.89 YES
L0034565 0 0.18430E-06 464091.5 3775870.0 420.3 3.70 1.67
2.89 YES
L0034566 0 0.18430E-06 464091.5 3775866.4 420.3 3.70 1.67
2.89 YES
L0034567 0 0.18430E-06 464091.5 3775862.8 420.2 3.70 1.67
2.89 YES
L0034568 0 0.18430E-06 464091.4 3775859.2 420.1 3.70 1.67
2.89 YES
L0034569 0 0.18430E-06 464091.4 3775855.6 420.0 3.70 1.67
2.89 YES
L0034570 0 0.18430E-06 464091.4 3775852.0 420.0 3.70 1.67
2.89 YES
L0034571 0 0.18430E-06 464091.4 3775848.4 419.9 3.70 1.67
2.89 YES
L0034572 0 0.18430E-06 464091.3 3775844.8 419.8 3.70 1.67
2.89 YES
L0034573 0 0.18430E-06 464091.3 3775841.2 419.7 3.70 1.67
2.89 YES
L0034574 0 0.18430E-06 464091.3 3775837.6 419.6 3.70 1.67
2.89 YES
L0034575 0 0.18430E-06 464091.3 3775834.0 419.5 3.70 1.67
2.89 YES
L0034576 0 0.18430E-06 464091.3 3775830.4 419.4 3.70 1.67
2.89 YES
L0034577 0 0.18430E-06 464091.2 3775826.8 419.4 3.70 1.67
2.89 YES
L0034578 0 0.18430E-06 464091.2 3775823.2 419.3 3.70 1.67
2.89 YES
L0034579 0 0.18430E-06 464091.2 3775819.6 419.2 3.70 1.67
2.89 YES
L0034580 0 0.18430E-06 464091.2 3775816.0 419.1 3.70 1.67
2.89 YES
L0034581 0 0.18430E-06 464091.2 3775812.4 419.0 3.70 1.67

2.89 YES
L0034582 0 0.18430E-06 464091.1 3775808.8 418.9 3.70 1.67
2.89 YES
L0034583 0 0.18430E-06 464091.1 3775805.2 418.8 3.70 1.67
2.89 YES
L0034584 0 0.18430E-06 464091.1 3775801.6 418.7 3.70 1.67
2.89 YES
L0034585 0 0.18430E-06 464091.1 3775798.0 418.6 3.70 1.67
2.89 YES
L0034586 0 0.18430E-06 464091.0 3775794.4 418.5 3.70 1.67
2.89 YES
L0034587 0 0.18430E-06 464091.0 3775790.8 418.4 3.70 1.67
2.89 YES
L0034588 0 0.18430E-06 464091.0 3775787.2 418.4 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034589	0	0.18430E-06	464091.0	3775783.6	418.5	3.70	1.67	2.89	YES	
L0034590	0	0.18430E-06	464091.0	3775780.0	418.5	3.70	1.67	2.89	YES	
L0034591	0	0.18430E-06	464090.9	3775776.4	418.5	3.70	1.67	2.89	YES	
L0034592	0	0.18430E-06	464090.9	3775772.8	418.5	3.70	1.67	2.89	YES	
L0034593	0	0.18430E-06	464090.9	3775769.2	418.6	3.70	1.67	2.89	YES	
L0034594	0	0.18430E-06	464090.9	3775765.6	418.6	3.70	1.67	2.89	YES	
L0034595	0	0.18430E-06	464090.8	3775762.0	418.6	3.70	1.67	2.89	YES	
L0034596	0	0.18430E-06	464090.8	3775758.4	418.6	3.70	1.67			

2.89 YES
L0034597 0 0.18430E-06 464090.8 3775754.8 418.6 3.70 1.67
2.89 YES
L0034598 0 0.18430E-06 464090.8 3775751.2 418.7 3.70 1.67
2.89 YES
L0034599 0 0.18430E-06 464090.8 3775747.6 418.7 3.70 1.67
2.89 YES
L0034600 0 0.18430E-06 464090.7 3775744.0 418.7 3.70 1.67
2.89 YES
L0034601 0 0.18430E-06 464090.7 3775740.4 418.7 3.70 1.67
2.89 YES
L0034602 0 0.28470E-06 463981.9 3776003.8 423.2 3.70 1.67
2.89 YES
L0034603 0 0.28470E-06 463981.9 3776000.2 423.2 3.70 1.67
2.89 YES
L0034604 0 0.28470E-06 463981.9 3775996.6 423.2 3.70 1.67
2.89 YES
L0034605 0 0.28470E-06 463981.9 3775993.0 423.1 3.70 1.67
2.89 YES
L0034606 0 0.28470E-06 463981.9 3775989.4 423.1 3.70 1.67
2.89 YES
L0034607 0 0.28470E-06 463981.9 3775985.8 423.0 3.70 1.67
2.89 YES
L0034608 0 0.28470E-06 463981.9 3775982.2 423.0 3.70 1.67
2.89 YES
L0034609 0 0.28470E-06 463981.9 3775978.6 422.9 3.70 1.67
2.89 YES
L0034610 0 0.28470E-06 463981.9 3775975.0 422.9 3.70 1.67
2.89 YES
L0034611 0 0.28470E-06 463981.9 3775971.4 422.8 3.70 1.67
2.89 YES
L0034612 0 0.28470E-06 463981.9 3775967.8 422.7 3.70 1.67
2.89 YES
L0034613 0 0.28470E-06 463981.9 3775964.2 422.7 3.70 1.67
2.89 YES
L0034614 0 0.28470E-06 463982.0 3775960.6 422.6 3.70 1.67
2.89 YES
L0034615 0 0.28470E-06 463982.0 3775957.0 422.5 3.70 1.67
2.89 YES
L0034616 0 0.28470E-06 463982.0 3775953.4 422.4 3.70 1.67
2.89 YES
L0034617 0 0.28470E-06 463982.0 3775949.8 422.4 3.70 1.67
2.89 YES
L0034618 0 0.28470E-06 463982.0 3775946.2 422.3 3.70 1.67
2.89 YES
L0034619 0 0.28470E-06 463982.0 3775942.6 422.2 3.70 1.67
2.89 YES
L0034620 0 0.28470E-06 463982.0 3775939.0 422.2 3.70 1.67
2.89 YES
L0034621 0 0.28470E-06 463982.0 3775935.4 422.1 3.70 1.67

2.89 YES
L0034622 0 0.28470E-06 463982.0 3775931.8 422.0 3.70 1.67
2.89 YES
L0034623 0 0.28470E-06 463982.0 3775928.2 422.0 3.70 1.67
2.89 YES
L0034624 0 0.28470E-06 463982.0 3775924.6 421.9 3.70 1.67
2.89 YES
L0034625 0 0.28470E-06 463982.0 3775921.0 421.8 3.70 1.67
2.89 YES
L0034626 0 0.28470E-06 463982.1 3775917.4 421.8 3.70 1.67
2.89 YES
L0034627 0 0.28470E-06 463982.1 3775913.8 421.7 3.70 1.67
2.89 YES
L0034628 0 0.28470E-06 463982.1 3775910.2 421.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0034629	0	0.28470E-06	463982.1	3775906.6	421.6	3.70	1.67	2.89	YES	
L0034630	0	0.28470E-06	463982.1	3775903.0	421.5	3.70	1.67	2.89	YES	
L0034631	0	0.28470E-06	463982.1	3775899.4	421.5	3.70	1.67	2.89	YES	
L0034632	0	0.28470E-06	463982.1	3775895.8	421.4	3.70	1.67	2.89	YES	
L0034633	0	0.28470E-06	463982.1	3775892.2	421.4	3.70	1.67	2.89	YES	
L0034634	0	0.28470E-06	463982.1	3775888.6	421.3	3.70	1.67	2.89	YES	
L0034635	0	0.28470E-06	463982.1	3775885.0	421.3	3.70	1.67	2.89	YES	
L0034636	0	0.28470E-06	463982.1	3775881.4	421.2	3.70	1.67			

2.89 YES
L0034637 0 0.28470E-06 463982.1 3775877.8 421.2 3.70 1.67
2.89 YES
L0034638 0 0.28470E-06 463982.1 3775874.2 421.1 3.70 1.67
2.89 YES
L0034639 0 0.28470E-06 463982.2 3775870.6 421.1 3.70 1.67
2.89 YES
L0034640 0 0.28470E-06 463982.2 3775867.0 421.0 3.70 1.67
2.89 YES
L0034641 0 0.28470E-06 463982.2 3775863.4 420.9 3.70 1.67
2.89 YES
L0034642 0 0.28470E-06 463982.2 3775859.8 420.9 3.70 1.67
2.89 YES
L0034643 0 0.28470E-06 463982.2 3775856.2 420.8 3.70 1.67
2.89 YES
L0034644 0 0.28470E-06 463982.2 3775852.6 420.8 3.70 1.67
2.89 YES
L0034645 0 0.28470E-06 463982.2 3775849.0 420.7 3.70 1.67
2.89 YES
L0034646 0 0.28470E-06 463982.2 3775845.4 420.6 3.70 1.67
2.89 YES
L0034647 0 0.28470E-06 463982.2 3775841.8 420.6 3.70 1.67
2.89 YES
L0034648 0 0.28470E-06 463982.2 3775838.2 420.5 3.70 1.67
2.89 YES
L0034649 0 0.28470E-06 463982.2 3775834.6 420.4 3.70 1.67
2.89 YES
L0034650 0 0.28470E-06 463982.2 3775831.0 420.4 3.70 1.67
2.89 YES
L0034651 0 0.28470E-06 463982.3 3775827.4 420.3 3.70 1.67
2.89 YES
L0034652 0 0.28470E-06 463982.3 3775823.8 420.3 3.70 1.67
2.89 YES
L0034653 0 0.28470E-06 463982.3 3775820.2 420.2 3.70 1.67
2.89 YES
L0034654 0 0.28470E-06 463982.3 3775816.6 420.1 3.70 1.67
2.89 YES
L0034655 0 0.28470E-06 463982.3 3775813.0 420.1 3.70 1.67
2.89 YES
L0034656 0 0.28470E-06 463982.3 3775809.4 420.0 3.70 1.67
2.89 YES
L0034657 0 0.28470E-06 463982.3 3775805.8 420.0 3.70 1.67
2.89 YES
L0034658 0 0.28470E-06 463982.3 3775802.2 419.9 3.70 1.67
2.89 YES
L0034659 0 0.28470E-06 463982.3 3775798.6 419.9 3.70 1.67
2.89 YES
L0034660 0 0.28470E-06 463982.3 3775795.0 419.8 3.70 1.67
2.89 YES
L0034661 0 0.28470E-06 463982.3 3775791.4 419.8 3.70 1.67

2.89 YES
L0034662 0 0.28470E-06 463982.3 3775787.8 419.7 3.70 1.67
2.89 YES
L0034663 0 0.28470E-06 463982.4 3775784.2 419.7 3.70 1.67
2.89 YES
L0034664 0 0.28470E-06 463982.4 3775780.6 419.7 3.70 1.67
2.89 YES
L0034665 0 0.28470E-06 463982.4 3775777.0 419.6 3.70 1.67
2.89 YES
L0034666 0 0.28470E-06 463982.4 3775773.4 419.6 3.70 1.67
2.89 YES
L0034667 0 0.28470E-06 463982.4 3775769.8 419.5 3.70 1.67
2.89 YES
L0034668 0 0.28470E-06 463982.4 3775766.2 419.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034669	0	0.28470E-06	463982.4	3775762.6	419.5	3.70	1.67	2.89	YES	
L0034670	0	0.28470E-06	463982.4	3775759.0	419.4	3.70	1.67	2.89	YES	
L0034671	0	0.28470E-06	463982.4	3775755.4	419.4	3.70	1.67	2.89	YES	
L0034672	0	0.28470E-06	463982.4	3775751.8	419.3	3.70	1.67	2.89	YES	
L0034673	0	0.28470E-06	463982.4	3775748.2	419.3	3.70	1.67	2.89	YES	
L0031545	0	0.37860E-06	461871.7	3777383.2	457.5	3.70	1.67	2.89	YES	
L0031546	0	0.37860E-06	461868.1	3777383.5	457.5	3.70	1.67	2.89	YES	
L0031547	0	0.37860E-06	461864.5	3777383.9	457.6	3.70	1.67			

2.89 YES
L0031548 0 0.37860E-06 461860.9 3777384.2 457.6 3.70 1.67
2.89 YES
L0031549 0 0.37860E-06 461857.3 3777384.5 457.7 3.70 1.67
2.89 YES
L0031550 0 0.37860E-06 461853.7 3777384.8 457.7 3.70 1.67
2.89 YES
L0031551 0 0.37860E-06 461850.2 3777385.2 457.8 3.70 1.67
2.89 YES
L0031552 0 0.37860E-06 461846.6 3777385.5 457.8 3.70 1.67
2.89 YES
L0031553 0 0.37860E-06 461843.0 3777385.8 457.8 3.70 1.67
2.89 YES
L0031554 0 0.37860E-06 461839.4 3777386.2 457.8 3.70 1.67
2.89 YES
L0031555 0 0.37860E-06 461835.8 3777386.5 457.8 3.70 1.67
2.89 YES
L0031556 0 0.37860E-06 461832.2 3777386.8 457.8 3.70 1.67
2.89 YES
L0031557 0 0.37860E-06 461828.6 3777387.2 457.9 3.70 1.67
2.89 YES
L0031558 0 0.37860E-06 461825.1 3777387.5 457.9 3.70 1.67
2.89 YES
L0031559 0 0.37860E-06 461821.5 3777387.8 457.8 3.70 1.67
2.89 YES
L0031560 0 0.37860E-06 461817.9 3777388.2 457.8 3.70 1.67
2.89 YES
L0031561 0 0.37860E-06 461814.3 3777388.5 457.8 3.70 1.67
2.89 YES
L0031562 0 0.37860E-06 461810.7 3777388.8 457.8 3.70 1.67
2.89 YES
L0031563 0 0.37860E-06 461807.1 3777389.2 457.8 3.70 1.67
2.89 YES
L0031564 0 0.37860E-06 461803.6 3777389.5 457.8 3.70 1.67
2.89 YES
L0031565 0 0.37860E-06 461800.0 3777389.8 457.8 3.70 1.67
2.89 YES
L0031566 0 0.37860E-06 461796.4 3777390.1 457.9 3.70 1.67
2.89 YES
L0031567 0 0.37860E-06 461792.8 3777390.5 458.0 3.70 1.67
2.89 YES
L0031568 0 0.37860E-06 461789.2 3777390.8 458.0 3.70 1.67
2.89 YES
L0031569 0 0.37860E-06 461785.6 3777391.2 458.1 3.70 1.67
2.89 YES
L0031570 0 0.37860E-06 461782.1 3777391.7 458.2 3.70 1.67
2.89 YES
L0031571 0 0.37860E-06 461778.5 3777392.2 458.3 3.70 1.67
2.89 YES
L0031572 0 0.37860E-06 461774.9 3777392.6 458.4 3.70 1.67

2.89 YES
L0031573 0 0.37860E-06 461771.4 3777393.1 458.5 3.70 1.67
2.89 YES
L0031574 0 0.37860E-06 461767.8 3777393.6 458.6 3.70 1.67
2.89 YES
L0031575 0 0.37860E-06 461764.2 3777394.1 458.6 3.70 1.67
2.89 YES
L0031576 0 0.37860E-06 461760.7 3777394.5 458.7 3.70 1.67
2.89 YES
L0031577 0 0.37860E-06 461757.1 3777395.0 458.7 3.70 1.67
2.89 YES
L0031578 0 0.37860E-06 461753.5 3777395.5 458.8 3.70 1.67
2.89 YES
L0031579 0 0.37860E-06 461750.0 3777396.0 458.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031580	0	0.37860E-06	461746.4	3777396.4	458.9	3.70	1.67	2.89	YES	
L0031581	0	0.37860E-06	461742.8	3777396.9	458.9	3.70	1.67	2.89	YES	
L0031582	0	0.37860E-06	461739.2	3777397.4	459.0	3.70	1.67	2.89	YES	
L0031583	0	0.37860E-06	461735.7	3777397.8	459.0	3.70	1.67	2.89	YES	
L0031584	0	0.37860E-06	461732.1	3777398.3	459.0	3.70	1.67	2.89	YES	
L0031585	0	0.37860E-06	461728.5	3777398.8	459.1	3.70	1.67	2.89	YES	
L0031586	0	0.37860E-06	461725.0	3777399.3	459.1	3.70	1.67	2.89	YES	
L0031587	0	0.37860E-06	461721.4	3777399.7	459.1	3.70	1.67			

2.89 YES
L0031588 0 0.37860E-06 461717.8 3777400.2 459.1 3.70 1.67
2.89 YES
L0031589 0 0.37860E-06 461714.3 3777400.7 459.1 3.70 1.67
2.89 YES
L0031590 0 0.37860E-06 461710.7 3777401.2 459.2 3.70 1.67
2.89 YES
L0031591 0 0.37860E-06 461707.1 3777401.6 459.2 3.70 1.67
2.89 YES
L0031592 0 0.37860E-06 461703.6 3777402.4 459.2 3.70 1.67
2.89 YES
L0031593 0 0.37860E-06 461700.1 3777403.3 459.2 3.70 1.67
2.89 YES
L0031594 0 0.37860E-06 461696.6 3777404.2 459.3 3.70 1.67
2.89 YES
L0031595 0 0.37860E-06 461693.2 3777405.1 459.3 3.70 1.67
2.89 YES
L0031596 0 0.37860E-06 461689.7 3777406.0 459.3 3.70 1.67
2.89 YES
L0031597 0 0.37860E-06 461686.2 3777406.9 459.3 3.70 1.67
2.89 YES
L0031598 0 0.37860E-06 461682.7 3777407.8 459.3 3.70 1.67
2.89 YES
L0031599 0 0.37860E-06 461679.2 3777408.7 459.4 3.70 1.67
2.89 YES
L0031600 0 0.37860E-06 461675.7 3777409.6 459.4 3.70 1.67
2.89 YES
L0031601 0 0.37860E-06 461672.2 3777410.5 459.4 3.70 1.67
2.89 YES
L0031602 0 0.37860E-06 461668.8 3777411.4 459.5 3.70 1.67
2.89 YES
L0031603 0 0.37860E-06 461665.3 3777412.3 459.6 3.70 1.67
2.89 YES
L0031604 0 0.37860E-06 461661.8 3777413.2 459.6 3.70 1.67
2.89 YES
L0031605 0 0.37860E-06 461658.3 3777414.1 459.7 3.70 1.67
2.89 YES
L0031606 0 0.37860E-06 461654.8 3777415.0 459.7 3.70 1.67
2.89 YES
L0031607 0 0.37860E-06 461651.3 3777415.8 459.8 3.70 1.67
2.89 YES
L0031608 0 0.37860E-06 461647.8 3777416.7 459.9 3.70 1.67
2.89 YES
L0031609 0 0.37860E-06 461644.3 3777417.6 460.0 3.70 1.67
2.89 YES
L0031610 0 0.37860E-06 461640.9 3777418.5 460.1 3.70 1.67
2.89 YES
L0031611 0 0.37860E-06 461637.4 3777419.4 460.2 3.70 1.67
2.89 YES
L0031612 0 0.37860E-06 461633.9 3777420.3 460.3 3.70 1.67

2.89   YES
 L0031613   0   0.37860E-06 461630.4 3777421.4   460.4   3.70   1.67
2.89   YES
 L0031614   0   0.37860E-06 461627.0 3777422.5   460.5   3.70   1.67
2.89   YES
 L0031615   0   0.37860E-06 461623.6 3777423.6   460.6   3.70   1.67
2.89   YES
 L0031616   0   0.37860E-06 461620.2 3777424.7   460.7   3.70   1.67
2.89   YES
 L0031617   0   0.37860E-06 461616.7 3777425.8   460.8   3.70   1.67
2.89   YES
 L0031618   0   0.37860E-06 461613.3 3777426.9   460.9   3.70   1.67
2.89   YES
 L0031619   0   0.37860E-06 461609.9 3777428.0   461.0   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0031620   0   0.37860E-06 461606.5 3777429.1   461.1   3.70   1.67
2.89   YES
 L0031621   0   0.37860E-06 461603.0 3777430.2   461.2   3.70   1.67
2.89   YES
 L0031622   0   0.37860E-06 461599.6 3777431.3   461.3   3.70   1.67
2.89   YES
 L0031623   0   0.37860E-06 461596.2 3777432.4   461.4   3.70   1.67
2.89   YES
 L0031624   0   0.37860E-06 461592.7 3777433.5   461.5   3.70   1.67
2.89   YES
 L0031625   0   0.37860E-06 461589.3 3777434.6   461.5   3.70   1.67
2.89   YES
 L0031626   0   0.37860E-06 461585.9 3777435.7   461.6   3.70   1.67
2.89   YES
 L0031627   0   0.37860E-06 461582.5 3777436.8   461.6   3.70   1.67

2.89 YES
L0031628 0 0.37860E-06 461579.0 3777437.9 461.7 3.70 1.67
2.89 YES
L0031629 0 0.37860E-06 461575.6 3777439.0 461.7 3.70 1.67
2.89 YES
L0031630 0 0.37860E-06 461572.2 3777440.1 461.8 3.70 1.67
2.89 YES
L0031631 0 0.37860E-06 461568.7 3777441.1 461.9 3.70 1.67
2.89 YES
L0031632 0 0.37860E-06 461565.2 3777442.0 462.0 3.70 1.67
2.89 YES
L0031633 0 0.37860E-06 461561.8 3777442.9 462.1 3.70 1.67
2.89 YES
L0031634 0 0.37860E-06 461558.3 3777443.9 462.2 3.70 1.67
2.89 YES
L0031635 0 0.37860E-06 461554.8 3777444.8 462.3 3.70 1.67
2.89 YES
L0031636 0 0.37860E-06 461551.3 3777445.8 462.4 3.70 1.67
2.89 YES
L0031637 0 0.37860E-06 461547.9 3777446.7 462.5 3.70 1.67
2.89 YES
L0031638 0 0.37860E-06 461544.4 3777447.7 462.6 3.70 1.67
2.89 YES
L0031639 0 0.37860E-06 461540.9 3777448.6 462.7 3.70 1.67
2.89 YES
L0031640 0 0.37860E-06 461537.4 3777449.6 462.8 3.70 1.67
2.89 YES
L0031641 0 0.37860E-06 461534.0 3777450.5 462.9 3.70 1.67
2.89 YES
L0031642 0 0.37860E-06 461530.5 3777451.5 463.0 3.70 1.67
2.89 YES
L0031643 0 0.37860E-06 461527.0 3777452.4 463.1 3.70 1.67
2.89 YES
L0031644 0 0.37860E-06 461523.5 3777453.1 463.1 3.70 1.67
2.89 YES
L0031645 0 0.37860E-06 461519.9 3777453.2 463.2 3.70 1.67
2.89 YES
L0031646 0 0.37860E-06 461516.3 3777453.3 463.2 3.70 1.67
2.89 YES
L0031647 0 0.37860E-06 461512.7 3777453.4 463.3 3.70 1.67
2.89 YES
L0031648 0 0.37860E-06 461509.1 3777453.4 463.4 3.70 1.67
2.89 YES
L0031649 0 0.37860E-06 461505.5 3777453.5 463.4 3.70 1.67
2.89 YES
L0031650 0 0.37860E-06 461501.9 3777453.6 463.5 3.70 1.67
2.89 YES
L0031651 0 0.37860E-06 461498.3 3777453.7 463.5 3.70 1.67
2.89 YES
L0031652 0 0.37860E-06 461494.7 3777453.8 463.6 3.70 1.67

2.89 YES
L0031653 0 0.37860E-06 461491.1 3777453.8 463.7 3.70 1.67
2.89 YES
L0031654 0 0.37860E-06 461487.5 3777453.9 463.7 3.70 1.67
2.89 YES
L0031655 0 0.37860E-06 461483.9 3777454.0 463.8 3.70 1.67
2.89 YES
L0031656 0 0.37860E-06 461480.3 3777454.1 463.9 3.70 1.67
2.89 YES
L0031657 0 0.37860E-06 461476.7 3777454.2 463.9 3.70 1.67
2.89 YES
L0031658 0 0.37860E-06 461473.1 3777454.2 464.0 3.70 1.67
2.89 YES
L0031659 0 0.37860E-06 461469.5 3777454.3 464.1 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031660	0	0.37860E-06	461465.9	3777454.4	464.2	3.70	1.67	2.89	YES	
L0031661	0	0.37860E-06	461462.3	3777454.5	464.3	3.70	1.67	2.89	YES	
L0031662	0	0.37860E-06	461458.7	3777454.6	464.5	3.70	1.67	2.89	YES	
L0031663	0	0.37860E-06	461455.1	3777454.6	464.6	3.70	1.67	2.89	YES	
L0031664	0	0.37860E-06	461451.5	3777454.7	464.7	3.70	1.67	2.89	YES	
L0031665	0	0.37860E-06	461447.9	3777454.8	464.9	3.70	1.67	2.89	YES	
L0031666	0	0.37860E-06	461444.3	3777454.9	465.0	3.70	1.67	2.89	YES	
L0031667	0	0.37860E-06	461440.7	3777455.0	465.1	3.70	1.67			

2.89 YES
L0031668 0 0.37860E-06 461437.1 3777455.0 465.2 3.70 1.67
2.89 YES
L0031669 0 0.37860E-06 461433.5 3777455.1 465.4 3.70 1.67
2.89 YES
L0031670 0 0.37860E-06 461429.9 3777455.2 465.5 3.70 1.67
2.89 YES
L0031671 0 0.37800E-06 460943.1 3777341.5 463.3 3.70 1.67
2.89 YES
L0031672 0 0.37800E-06 460946.7 3777341.2 463.2 3.70 1.67
2.89 YES
L0031673 0 0.37800E-06 460950.3 3777340.9 463.2 3.70 1.67
2.89 YES
L0031674 0 0.37800E-06 460953.9 3777340.6 463.2 3.70 1.67
2.89 YES
L0031675 0 0.37800E-06 460957.5 3777340.3 463.1 3.70 1.67
2.89 YES
L0031676 0 0.37800E-06 460961.1 3777340.0 463.1 3.70 1.67
2.89 YES
L0031677 0 0.37800E-06 460964.7 3777339.7 463.1 3.70 1.67
2.89 YES
L0031678 0 0.37800E-06 460968.3 3777339.5 463.0 3.70 1.67
2.89 YES
L0031679 0 0.37800E-06 460971.8 3777339.2 463.0 3.70 1.67
2.89 YES
L0031680 0 0.37800E-06 460975.4 3777338.9 463.0 3.70 1.67
2.89 YES
L0031681 0 0.37800E-06 460979.0 3777338.6 462.9 3.70 1.67
2.89 YES
L0031682 0 0.37800E-06 460982.6 3777338.3 462.9 3.70 1.67
2.89 YES
L0031683 0 0.37800E-06 460986.2 3777338.0 462.9 3.70 1.67
2.89 YES
L0031684 0 0.37800E-06 460989.8 3777337.7 462.8 3.70 1.67
2.89 YES
L0031685 0 0.37800E-06 460993.4 3777337.4 462.8 3.70 1.67
2.89 YES
L0031686 0 0.37800E-06 460997.0 3777337.1 462.8 3.70 1.67
2.89 YES
L0031687 0 0.37800E-06 461000.5 3777336.8 462.7 3.70 1.67
2.89 YES
L0031688 0 0.37800E-06 461004.1 3777336.6 462.7 3.70 1.67
2.89 YES
L0031689 0 0.37800E-06 461007.7 3777336.3 462.7 3.70 1.67
2.89 YES
L0031690 0 0.37800E-06 461011.3 3777336.0 462.6 3.70 1.67
2.89 YES
L0031691 0 0.37800E-06 461014.9 3777335.7 462.6 3.70 1.67
2.89 YES
L0031692 0 0.37800E-06 461018.5 3777335.3 462.5 3.70 1.67

2.89 YES
L0031693 0 0.37800E-06 461022.1 3777334.9 462.5 3.70 1.67
2.89 YES
L0031694 0 0.37800E-06 461025.6 3777334.5 462.5 3.70 1.67
2.89 YES
L0031695 0 0.37800E-06 461029.2 3777334.2 462.4 3.70 1.67
2.89 YES
L0031696 0 0.37800E-06 461032.8 3777333.8 462.4 3.70 1.67
2.89 YES
L0031697 0 0.37800E-06 461036.4 3777333.4 462.3 3.70 1.67
2.89 YES
L0031698 0 0.37800E-06 461040.0 3777333.0 462.3 3.70 1.67
2.89 YES
L0031699 0 0.37800E-06 461043.5 3777332.6 462.3 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031700	0	0.37800E-06	461047.1	3777332.3	462.2	3.70	1.67	2.89	YES	
L0031701	0	0.37800E-06	461050.7	3777331.9	462.2	3.70	1.67	2.89	YES	
L0031702	0	0.37800E-06	461054.3	3777331.5	462.1	3.70	1.67	2.89	YES	
L0031703	0	0.37800E-06	461057.9	3777331.1	462.1	3.70	1.67	2.89	YES	
L0031704	0	0.37800E-06	461061.4	3777330.7	462.1	3.70	1.67	2.89	YES	
L0031705	0	0.37800E-06	461065.0	3777330.4	462.0	3.70	1.67	2.89	YES	
L0031706	0	0.37800E-06	461068.6	3777330.0	462.0	3.70	1.67	2.89	YES	
L0031707	0	0.37800E-06	461072.2	3777329.6	461.9	3.70	1.67			

2.89 YES
L0031708 0 0.37800E-06 461075.8 3777329.2 461.9 3.70 1.67
2.89 YES
L0031709 0 0.37800E-06 461079.3 3777328.7 461.8 3.70 1.67
2.89 YES
L0031710 0 0.37800E-06 461082.9 3777328.2 461.8 3.70 1.67
2.89 YES
L0031711 0 0.37800E-06 461086.4 3777327.6 461.7 3.70 1.67
2.89 YES
L0031712 0 0.37800E-06 461090.0 3777327.0 461.7 3.70 1.67
2.89 YES
L0031713 0 0.37800E-06 461093.5 3777326.5 461.6 3.70 1.67
2.89 YES
L0031714 0 0.37800E-06 461097.1 3777325.9 461.6 3.70 1.67
2.89 YES
L0031715 0 0.37800E-06 461100.7 3777325.3 461.5 3.70 1.67
2.89 YES
L0031716 0 0.37800E-06 461104.2 3777324.8 461.5 3.70 1.67
2.89 YES
L0031717 0 0.37800E-06 461107.8 3777324.2 461.4 3.70 1.67
2.89 YES
L0031718 0 0.37800E-06 461111.3 3777323.6 461.4 3.70 1.67
2.89 YES
L0031719 0 0.37800E-06 461114.9 3777323.1 461.3 3.70 1.67
2.89 YES
L0031720 0 0.37800E-06 461118.4 3777322.5 461.3 3.70 1.67
2.89 YES
L0031721 0 0.37800E-06 461122.0 3777321.9 461.2 3.70 1.67
2.89 YES
L0031722 0 0.37800E-06 461125.5 3777321.4 461.2 3.70 1.67
2.89 YES
L0031723 0 0.37800E-06 461129.1 3777320.8 461.1 3.70 1.67
2.89 YES
L0031724 0 0.37800E-06 461132.7 3777320.2 461.1 3.70 1.67
2.89 YES
L0031725 0 0.37800E-06 461136.2 3777319.7 461.0 3.70 1.67
2.89 YES
L0031726 0 0.37800E-06 461139.8 3777319.1 460.9 3.70 1.67
2.89 YES
L0031727 0 0.37800E-06 461143.3 3777318.4 460.9 3.70 1.67
2.89 YES
L0031728 0 0.37800E-06 461146.7 3777317.4 460.9 3.70 1.67
2.89 YES
L0031729 0 0.37800E-06 461150.2 3777316.3 460.8 3.70 1.67
2.89 YES
L0031730 0 0.37800E-06 461153.6 3777315.3 460.8 3.70 1.67
2.89 YES
L0031731 0 0.37800E-06 461157.1 3777314.3 460.7 3.70 1.67
2.89 YES
L0031732 0 0.37800E-06 461160.5 3777313.2 460.7 3.70 1.67

2.89 YES
L0031733 0 0.37800E-06 461164.0 3777312.2 460.7 3.70 1.67
2.89 YES
L0031734 0 0.37800E-06 461167.4 3777311.2 460.7 3.70 1.67
2.89 YES
L0031735 0 0.37800E-06 461170.9 3777310.1 460.7 3.70 1.67
2.89 YES
L0031736 0 0.37800E-06 461174.3 3777309.1 460.8 3.70 1.67
2.89 YES
L0031737 0 0.37800E-06 461177.8 3777308.1 460.8 3.70 1.67
2.89 YES
L0031738 0 0.37800E-06 461181.2 3777307.1 460.8 3.70 1.67
2.89 YES
L0031739 0 0.37800E-06 461184.7 3777306.0 460.8 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031740	0	0.37800E-06	461188.1	3777305.0	460.8	3.70	1.67	2.89	YES	
L0031741	0	0.37800E-06	461191.6	3777304.0	460.9	3.70	1.67	2.89	YES	
L0031742	0	0.37800E-06	461194.9	3777302.7	460.9	3.70	1.67	2.89	YES	
L0031743	0	0.37800E-06	461198.3	3777301.4	460.9	3.70	1.67	2.89	YES	
L0031744	0	0.37800E-06	461201.7	3777300.1	460.9	3.70	1.67	2.89	YES	
L0031745	0	0.37800E-06	461205.0	3777298.9	460.9	3.70	1.67	2.89	YES	
L0031746	0	0.37800E-06	461208.4	3777297.6	460.9	3.70	1.67	2.89	YES	
L0031747	0	0.37800E-06	461211.8	3777296.3	460.9	3.70	1.67			

2.89 YES
L0031748 0 0.37800E-06 461215.1 3777295.1 461.0 3.70 1.67
2.89 YES
L0031749 0 0.37800E-06 461218.5 3777293.8 461.0 3.70 1.67
2.89 YES
L0031750 0 0.37800E-06 461221.9 3777292.5 461.0 3.70 1.67
2.89 YES
L0031751 0 0.37800E-06 461225.2 3777291.2 461.0 3.70 1.67
2.89 YES
L0031752 0 0.37800E-06 461228.6 3777290.0 461.0 3.70 1.67
2.89 YES
L0031753 0 0.37800E-06 461232.0 3777288.7 461.0 3.70 1.67
2.89 YES
L0031754 0 0.37800E-06 461235.4 3777287.4 461.0 3.70 1.67
2.89 YES
L0031755 0 0.37800E-06 461238.7 3777286.1 461.0 3.70 1.67
2.89 YES
L0031756 0 0.37800E-06 461242.1 3777284.9 461.0 3.70 1.67
2.89 YES
L0031757 0 0.37800E-06 461245.5 3777283.6 461.1 3.70 1.67
2.89 YES
L0031758 0 0.37800E-06 461248.8 3777282.3 461.1 3.70 1.67
2.89 YES
L0031759 0 0.37800E-06 461252.2 3777281.1 461.1 3.70 1.67
2.89 YES
L0031760 0 0.37800E-06 461255.6 3777279.8 461.1 3.70 1.67
2.89 YES
L0031761 0 0.37800E-06 461259.0 3777278.7 461.1 3.70 1.67
2.89 YES
L0031762 0 0.37800E-06 461262.5 3777277.8 461.1 3.70 1.67
2.89 YES
L0031763 0 0.37800E-06 461266.0 3777277.0 461.2 3.70 1.67
2.89 YES
L0031764 0 0.37800E-06 461269.5 3777276.2 461.2 3.70 1.67
2.89 YES
L0031765 0 0.37800E-06 461273.0 3777275.4 461.2 3.70 1.67
2.89 YES
L0031766 0 0.37800E-06 461276.5 3777274.6 461.2 3.70 1.67
2.89 YES
L0031767 0 0.37800E-06 461280.0 3777273.8 461.2 3.70 1.67
2.89 YES
L0031768 0 0.37800E-06 461283.5 3777273.0 461.3 3.70 1.67
2.89 YES
L0031769 0 0.37800E-06 461287.0 3777272.1 461.3 3.70 1.67
2.89 YES
L0031770 0 0.37800E-06 461290.5 3777271.3 461.3 3.70 1.67
2.89 YES
L0031771 0 0.37800E-06 461294.0 3777270.5 461.3 3.70 1.67
2.89 YES
L0031772 0 0.37800E-06 461297.5 3777269.7 461.4 3.70 1.67

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031780	0	0.37800E-06	461326.2	3777267.0	461.4	3.70	1.67	2.89	YES	
L0031781	0	0.37800E-06	461329.8	3777266.7	461.4	3.70	1.67	2.89	YES	
L0031782	0	0.37800E-06	461333.4	3777266.4	461.5	3.70	1.67	2.89	YES	
L0031783	0	0.37800E-06	461337.0	3777266.1	461.5	3.70	1.67	2.89	YES	
L0031784	0	0.37800E-06	461340.5	3777265.7	461.5	3.70	1.67	2.89	YES	
L0031785	0	0.37800E-06	461344.1	3777265.4	461.5	3.70	1.67	2.89	YES	
L0031786	0	0.37800E-06	461347.7	3777265.1	461.6	3.70	1.67	2.89	YES	
L0031787	0	0.37800E-06	461351.3	3777264.8	461.6	3.70	1.67			

2.89 YES
L0031788 0 0.37800E-06 461354.9 3777264.5 461.7 3.70 1.67
2.89 YES
L0031789 0 0.37800E-06 461358.5 3777264.2 461.7 3.70 1.67
2.89 YES
L0031790 0 0.37800E-06 461362.1 3777264.1 461.7 3.70 1.67
2.89 YES
L0031791 0 0.37800E-06 461365.7 3777264.0 461.8 3.70 1.67
2.89 YES
L0031792 0 0.37800E-06 461369.3 3777264.0 461.9 3.70 1.67
2.89 YES
L0031793 0 0.37800E-06 461372.9 3777263.9 462.0 3.70 1.67
2.89 YES
L0031794 0 0.37800E-06 461376.5 3777263.9 462.1 3.70 1.67
2.89 YES
L0031795 0 0.37800E-06 461380.1 3777263.8 462.2 3.70 1.67
2.89 YES
L0031796 0 0.37800E-06 461383.7 3777263.7 462.3 3.70 1.67
2.89 YES
L0031797 0 0.37800E-06 461387.3 3777263.7 462.4 3.70 1.67
2.89 YES
L0031798 0 0.37800E-06 461390.9 3777263.6 462.5 3.70 1.67
2.89 YES
L0031799 0 0.37800E-06 461394.5 3777263.6 462.6 3.70 1.67
2.89 YES
L0031800 0 0.37800E-06 461398.1 3777263.5 462.6 3.70 1.67
2.89 YES
L0031801 0 0.37800E-06 461401.7 3777263.4 462.7 3.70 1.67
2.89 YES
L0031802 0 0.37800E-06 461405.3 3777263.4 462.7 3.70 1.67
2.89 YES
L0031803 0 0.26320E-06 461426.5 3777454.9 465.6 3.70 1.67
2.89 YES
L0031804 0 0.26320E-06 461423.0 3777454.1 465.7 3.70 1.67
2.89 YES
L0031805 0 0.26320E-06 461419.5 3777453.3 465.9 3.70 1.67
2.89 YES
L0031806 0 0.26320E-06 461416.0 3777452.5 465.9 3.70 1.67
2.89 YES
L0031807 0 0.26320E-06 461414.1 3777449.5 465.9 3.70 1.67
2.89 YES
L0031808 0 0.26320E-06 461412.4 3777446.3 465.8 3.70 1.67
2.89 YES
L0031809 0 0.26320E-06 461410.6 3777443.2 465.7 3.70 1.67
2.89 YES
L0031810 0 0.26320E-06 461409.3 3777439.9 465.7 3.70 1.67
2.89 YES
L0031811 0 0.26320E-06 461409.3 3777436.3 465.7 3.70 1.67
2.89 YES
L0031812 0 0.26320E-06 461409.3 3777432.7 465.6 3.70 1.67

2.89 YES
L0031813 0 0.26320E-06 461409.2 3777429.1 465.4 3.70 1.67
2.89 YES
L0031814 0 0.26320E-06 461409.2 3777425.5 465.3 3.70 1.67
2.89 YES
L0031815 0 0.26320E-06 461409.2 3777421.9 465.1 3.70 1.67
2.89 YES
L0031816 0 0.26320E-06 461409.2 3777418.3 465.0 3.70 1.67
2.89 YES
L0031817 0 0.26320E-06 461409.1 3777414.7 464.8 3.70 1.67
2.89 YES
L0031818 0 0.26320E-06 461409.1 3777411.1 464.7 3.70 1.67
2.89 YES
L0031819 0 0.26320E-06 461409.1 3777407.5 464.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031820	0	0.26320E-06	461409.1	3777403.9	464.4	3.70	1.67	2.89	YES	
L0031821	0	0.26320E-06	461409.0	3777400.3	463.7	3.70	1.67	2.89	YES	
L0031822	0	0.26320E-06	461409.0	3777396.7	463.1	3.70	1.67	2.89	YES	
L0031823	0	0.26320E-06	461409.0	3777393.1	462.4	3.70	1.67	2.89	YES	
L0031824	0	0.26320E-06	461409.0	3777389.5	461.8	3.70	1.67	2.89	YES	
L0031825	0	0.26320E-06	461408.9	3777385.9	461.2	3.70	1.67	2.89	YES	
L0031826	0	0.26320E-06	461408.9	3777382.3	460.5	3.70	1.67	2.89	YES	
L0031827	0	0.26320E-06	461408.9	3777378.7	459.9	3.70	1.67			

2.89 YES
L0031828 0 0.26320E-06 461408.9 3777375.1 459.2 3.70 1.67
2.89 YES
L0031829 0 0.26320E-06 461408.8 3777371.5 458.8 3.70 1.67
2.89 YES
L0031830 0 0.26320E-06 461408.8 3777367.9 458.6 3.70 1.67
2.89 YES
L0031831 0 0.26320E-06 461408.8 3777364.3 458.5 3.70 1.67
2.89 YES
L0031832 0 0.26320E-06 461408.8 3777360.7 458.3 3.70 1.67
2.89 YES
L0031833 0 0.26320E-06 461408.7 3777357.1 458.1 3.70 1.67
2.89 YES
L0031834 0 0.26320E-06 461408.7 3777353.5 458.0 3.70 1.67
2.89 YES
L0031835 0 0.26320E-06 461408.7 3777349.9 457.8 3.70 1.67
2.89 YES
L0031836 0 0.26320E-06 461408.7 3777346.3 457.6 3.70 1.67
2.89 YES
L0031837 0 0.26320E-06 461408.6 3777342.7 457.4 3.70 1.67
2.89 YES
L0031838 0 0.26320E-06 461408.6 3777339.1 457.8 3.70 1.67
2.89 YES
L0031839 0 0.26320E-06 461408.6 3777335.5 458.2 3.70 1.67
2.89 YES
L0031840 0 0.26320E-06 461408.6 3777331.9 458.6 3.70 1.67
2.89 YES
L0031841 0 0.26320E-06 461408.5 3777328.3 459.1 3.70 1.67
2.89 YES
L0031842 0 0.26320E-06 461408.5 3777324.7 459.5 3.70 1.67
2.89 YES
L0031843 0 0.26320E-06 461408.5 3777321.1 459.9 3.70 1.67
2.89 YES
L0031844 0 0.26320E-06 461408.5 3777317.5 460.3 3.70 1.67
2.89 YES
L0031845 0 0.26320E-06 461408.4 3777313.9 460.7 3.70 1.67
2.89 YES
L0031846 0 0.26320E-06 461408.4 3777310.3 461.1 3.70 1.67
2.89 YES
L0031847 0 0.26320E-06 461408.4 3777306.7 461.3 3.70 1.67
2.89 YES
L0031848 0 0.26320E-06 461408.4 3777303.1 461.5 3.70 1.67
2.89 YES
L0031849 0 0.26320E-06 461408.4 3777299.5 461.8 3.70 1.67
2.89 YES
L0031850 0 0.26320E-06 461408.3 3777295.9 462.0 3.70 1.67
2.89 YES
L0031851 0 0.26320E-06 461408.3 3777292.3 462.2 3.70 1.67
2.89 YES
L0031852 0 0.26320E-06 461408.3 3777288.7 462.5 3.70 1.67

2.89 YES
L0031853 0 0.26320E-06 461408.3 3777285.1 462.7 3.70 1.67
2.89 YES
L0031854 0 0.26320E-06 461408.2 3777281.5 462.9 3.70 1.67
2.89 YES
L0031855 0 0.26320E-06 461408.2 3777277.9 463.0 3.70 1.67
2.89 YES
L0031856 0 0.26320E-06 461408.2 3777274.3 462.9 3.70 1.67
2.89 YES
L0031857 0 0.26320E-06 461408.2 3777270.7 462.9 3.70 1.67
2.89 YES
L0031858 0 0.26320E-06 461408.1 3777267.1 462.8 3.70 1.67
2.89 YES
L0031859 0 0.26320E-06 461408.1 3777263.5 462.8 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031860	0	0.30990E-06	461422.3	3777263.0	462.7	3.70	1.67	2.89	YES	
L0031861	0	0.30990E-06	461425.9	3777263.0	462.6	3.70	1.67	2.89	YES	
L0031862	0	0.30990E-06	461429.5	3777263.0	462.4	3.70	1.67	2.89	YES	
L0031863	0	0.30990E-06	461433.1	3777263.0	462.3	3.70	1.67	2.89	YES	
L0031864	0	0.30990E-06	461436.7	3777263.0	462.2	3.70	1.67	2.89	YES	
L0031865	0	0.30990E-06	461440.3	3777263.0	462.1	3.70	1.67	2.89	YES	
L0031866	0	0.30990E-06	461443.9	3777263.1	461.9	3.70	1.67	2.89	YES	
L0031867	0	0.30990E-06	461447.5	3777263.1	461.8	3.70	1.67			

2.89 YES
L0031868 0 0.30990E-06 461451.1 3777263.1 461.7 3.70 1.67
2.89 YES
L0031869 0 0.30990E-06 461454.7 3777263.1 461.5 3.70 1.67
2.89 YES
L0031870 0 0.30990E-06 461458.3 3777263.1 461.4 3.70 1.67
2.89 YES
L0031871 0 0.30990E-06 461461.9 3777263.1 461.2 3.70 1.67
2.89 YES
L0031872 0 0.30990E-06 461465.5 3777263.1 461.1 3.70 1.67
2.89 YES
L0031873 0 0.30990E-06 461469.1 3777263.1 461.0 3.70 1.67
2.89 YES
L0031874 0 0.30990E-06 461472.7 3777263.2 460.9 3.70 1.67
2.89 YES
L0031875 0 0.30990E-06 461476.3 3777263.2 460.9 3.70 1.67
2.89 YES
L0031876 0 0.30990E-06 461479.9 3777263.2 460.8 3.70 1.67
2.89 YES
L0031877 0 0.30990E-06 461483.5 3777263.2 460.7 3.70 1.67
2.89 YES
L0031878 0 0.30990E-06 461487.1 3777263.2 460.7 3.70 1.67
2.89 YES
L0031879 0 0.30990E-06 461490.7 3777263.4 460.6 3.70 1.67
2.89 YES
L0031880 0 0.30990E-06 461494.3 3777263.7 460.5 3.70 1.67
2.89 YES
L0031881 0 0.30990E-06 461497.8 3777264.0 460.4 3.70 1.67
2.89 YES
L0031882 0 0.30990E-06 461501.4 3777264.2 460.4 3.70 1.67
2.89 YES
L0031883 0 0.30990E-06 461505.0 3777264.5 460.3 3.70 1.67
2.89 YES
L0031884 0 0.30990E-06 461508.6 3777264.8 460.2 3.70 1.67
2.89 YES
L0031885 0 0.30990E-06 461512.2 3777265.0 460.1 3.70 1.67
2.89 YES
L0031886 0 0.30990E-06 461515.8 3777265.3 460.0 3.70 1.67
2.89 YES
L0031887 0 0.30990E-06 461519.4 3777265.5 460.0 3.70 1.67
2.89 YES
L0031888 0 0.30990E-06 461523.0 3777265.8 459.9 3.70 1.67
2.89 YES
L0031889 0 0.30990E-06 461526.6 3777266.1 459.8 3.70 1.67
2.89 YES
L0031890 0 0.30990E-06 461530.2 3777266.3 459.8 3.70 1.67
2.89 YES
L0031891 0 0.30990E-06 461533.8 3777266.6 459.7 3.70 1.67
2.89 YES
L0031892 0 0.30990E-06 461537.3 3777266.8 459.6 3.70 1.67

2.89 YES
L0031893 0 0.30990E-06 461540.9 3777267.1 459.5 3.70 1.67
2.89 YES
L0031894 0 0.30990E-06 461544.5 3777267.4 459.5 3.70 1.67
2.89 YES
L0031895 0 0.30990E-06 461548.0 3777268.5 459.4 3.70 1.67
2.89 YES
L0031896 0 0.30990E-06 461551.4 3777269.5 459.3 3.70 1.67
2.89 YES
L0031897 0 0.30990E-06 461554.8 3777270.6 459.2 3.70 1.67
2.89 YES
L0031898 0 0.30990E-06 461558.3 3777271.6 459.1 3.70 1.67
2.89 YES
L0031899 0 0.30990E-06 461561.7 3777272.7 459.0 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031900	0	0.30990E-06	461565.2	3777273.7	458.9	3.70	1.67	2.89	YES	
L0031901	0	0.30990E-06	461568.6	3777274.8	458.8	3.70	1.67	2.89	YES	
L0031902	0	0.30990E-06	461572.0	3777275.9	458.7	3.70	1.67	2.89	YES	
L0031903	0	0.30990E-06	461575.5	3777276.9	458.6	3.70	1.67	2.89	YES	
L0031904	0	0.30990E-06	461578.9	3777278.0	458.5	3.70	1.67	2.89	YES	
L0031905	0	0.30990E-06	461582.4	3777279.0	458.4	3.70	1.67	2.89	YES	
L0031906	0	0.30990E-06	461585.8	3777280.1	458.3	3.70	1.67	2.89	YES	
L0031907	0	0.30990E-06	461589.3	3777281.1	458.1	3.70	1.67			

2.89 YES
L0031908 0 0.30990E-06 461592.7 3777282.2 458.0 3.70 1.67
2.89 YES
L0031909 0 0.30990E-06 461596.1 3777283.2 457.9 3.70 1.67
2.89 YES
L0031910 0 0.30990E-06 461599.6 3777284.3 457.8 3.70 1.67
2.89 YES
L0031911 0 0.30990E-06 461603.0 3777285.4 457.7 3.70 1.67
2.89 YES
L0031912 0 0.30990E-06 461606.5 3777286.4 457.6 3.70 1.67
2.89 YES
L0031913 0 0.30990E-06 461609.9 3777287.5 457.5 3.70 1.67
2.89 YES
L0031914 0 0.30990E-06 461613.3 3777288.5 457.4 3.70 1.67
2.89 YES
L0031915 0 0.30990E-06 461616.8 3777289.6 457.3 3.70 1.67
2.89 YES
L0031916 0 0.30990E-06 461620.2 3777290.6 457.2 3.70 1.67
2.89 YES
L0031917 0 0.30990E-06 461623.7 3777291.7 457.1 3.70 1.67
2.89 YES
L0031918 0 0.30990E-06 461627.1 3777292.8 457.1 3.70 1.67
2.89 YES
L0031919 0 0.30990E-06 461630.6 3777293.7 457.0 3.70 1.67
2.89 YES
L0031920 0 0.30990E-06 461634.1 3777294.6 457.0 3.70 1.67
2.89 YES
L0031921 0 0.30990E-06 461637.6 3777295.5 456.9 3.70 1.67
2.89 YES
L0031922 0 0.30990E-06 461641.0 3777296.4 456.8 3.70 1.67
2.89 YES
L0031923 0 0.30990E-06 461644.5 3777297.3 456.8 3.70 1.67
2.89 YES
L0031924 0 0.30990E-06 461648.0 3777298.2 456.7 3.70 1.67
2.89 YES
L0031925 0 0.30990E-06 461651.5 3777299.1 456.6 3.70 1.67
2.89 YES
L0031926 0 0.30990E-06 461655.0 3777300.0 456.6 3.70 1.67
2.89 YES
L0031927 0 0.30990E-06 461658.5 3777300.9 456.5 3.70 1.67
2.89 YES
L0031928 0 0.30990E-06 461661.9 3777301.9 456.4 3.70 1.67
2.89 YES
L0031929 0 0.30990E-06 461665.4 3777302.8 456.3 3.70 1.67
2.89 YES
L0031930 0 0.30990E-06 461668.9 3777303.7 456.2 3.70 1.67
2.89 YES
L0031931 0 0.30990E-06 461672.4 3777304.6 456.1 3.70 1.67
2.89 YES
L0031932 0 0.30990E-06 461675.9 3777305.5 456.0 3.70 1.67

2.89 YES
L0031933 0 0.30990E-06 461679.4 3777306.4 455.9 3.70 1.67
2.89 YES
L0031934 0 0.30990E-06 461682.8 3777307.3 455.8 3.70 1.67
2.89 YES
L0031935 0 0.30990E-06 461686.3 3777308.2 455.7 3.70 1.67
2.89 YES
L0031936 0 0.30990E-06 461689.8 3777309.1 455.6 3.70 1.67
2.89 YES
L0031937 0 0.30990E-06 461693.3 3777310.0 455.4 3.70 1.67
2.89 YES
L0031938 0 0.30990E-06 461696.8 3777310.9 455.4 3.70 1.67
2.89 YES
L0031939 0 0.30990E-06 461700.3 3777311.9 455.3 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0031940	0	0.30990E-06	461703.7	3777312.8	455.3	3.70	1.67	2.89	YES	
L0031941	0	0.30990E-06	461707.2	3777313.7	455.3	3.70	1.67	2.89	YES	
L0031942	0	0.30990E-06	461710.7	3777314.6	455.3	3.70	1.67	2.89	YES	
L0031943	0	0.30990E-06	461714.2	3777315.5	455.3	3.70	1.67	2.89	YES	
L0031944	0	0.30990E-06	461717.7	3777316.4	455.2	3.70	1.67	2.89	YES	
L0031945	0	0.30990E-06	461721.2	3777317.3	455.2	3.70	1.67	2.89	YES	
L0031946	0	0.30990E-06	461724.7	3777317.9	455.2	3.70	1.67	2.89	YES	
L0031947	0	0.30990E-06	461728.3	3777318.4	455.2	3.70	1.67			

2.89 YES
L0031948 0 0.30990E-06 461731.8 3777318.9 455.2 3.70 1.67
2.89 YES
L0031949 0 0.30990E-06 461735.4 3777319.4 455.2 3.70 1.67
2.89 YES
L0031950 0 0.30990E-06 461739.0 3777319.9 455.2 3.70 1.67
2.89 YES
L0031951 0 0.30990E-06 461742.5 3777320.3 455.2 3.70 1.67
2.89 YES
L0031952 0 0.30990E-06 461746.1 3777320.8 455.1 3.70 1.67
2.89 YES
L0031953 0 0.30990E-06 461749.7 3777321.3 455.1 3.70 1.67
2.89 YES
L0031954 0 0.30990E-06 461753.2 3777321.8 455.1 3.70 1.67
2.89 YES
L0031955 0 0.30990E-06 461756.8 3777322.2 455.1 3.70 1.67
2.89 YES
L0031956 0 0.30990E-06 461760.4 3777322.7 455.1 3.70 1.67
2.89 YES
L0031957 0 0.30990E-06 461763.9 3777323.2 455.1 3.70 1.67
2.89 YES
L0031958 0 0.30990E-06 461767.5 3777323.7 455.0 3.70 1.67
2.89 YES
L0031959 0 0.30990E-06 461771.1 3777324.2 455.0 3.70 1.67
2.89 YES
L0031960 0 0.30990E-06 461774.7 3777324.6 455.0 3.70 1.67
2.89 YES
L0031961 0 0.30990E-06 461778.2 3777325.1 455.0 3.70 1.67
2.89 YES
L0031962 0 0.30990E-06 461781.8 3777325.6 455.0 3.70 1.67
2.89 YES
L0031963 0 0.30990E-06 461785.4 3777326.1 455.0 3.70 1.67
2.89 YES
L0031964 0 0.30990E-06 461788.9 3777326.5 455.0 3.70 1.67
2.89 YES
L0031965 0 0.30990E-06 461792.5 3777326.8 455.0 3.70 1.67
2.89 YES
L0031966 0 0.30990E-06 461796.1 3777327.1 455.0 3.70 1.67
2.89 YES
L0031967 0 0.30990E-06 461799.7 3777327.4 455.0 3.70 1.67
2.89 YES
L0031968 0 0.30990E-06 461803.3 3777327.7 455.0 3.70 1.67
2.89 YES
L0031969 0 0.30990E-06 461806.9 3777328.0 455.0 3.70 1.67
2.89 YES
L0031970 0 0.30990E-06 461810.5 3777328.3 455.1 3.70 1.67
2.89 YES
L0031971 0 0.30990E-06 461814.0 3777328.6 455.1 3.70 1.67
2.89 YES
L0031972 0 0.30990E-06 461817.6 3777328.9 455.1 3.70 1.67

2.89 YES
L0031973 0 0.30990E-06 461821.2 3777329.2 455.1 3.70 1.67
2.89 YES
L0031974 0 0.30990E-06 461824.8 3777329.5 455.1 3.70 1.67
2.89 YES
L0031975 0 0.30990E-06 461828.4 3777329.7 455.0 3.70 1.67
2.89 YES
L0031976 0 0.30990E-06 461832.0 3777330.0 455.0 3.70 1.67
2.89 YES
L0031977 0 0.30990E-06 461835.6 3777330.1 455.0 3.70 1.67
2.89 YES
L0031978 0 0.30990E-06 461839.2 3777330.1 455.0 3.70 1.67
2.89 YES
L0031979 0 0.30990E-06 461842.8 3777330.2 455.0 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031980	0	0.30990E-06	461846.4	3777330.2	455.0	3.70	1.67	2.89	YES	
L0031981	0	0.30990E-06	461850.0	3777330.2	455.0	3.70	1.67	2.89	YES	
L0031982	0	0.30990E-06	461853.6	3777330.2	454.9	3.70	1.67	2.89	YES	
L0031983	0	0.30990E-06	461857.2	3777330.3	454.9	3.70	1.67	2.89	YES	
L0031984	0	0.30990E-06	461860.8	3777330.3	454.9	3.70	1.67	2.89	YES	
L0031985	0	0.30990E-06	461864.4	3777330.3	454.9	3.70	1.67	2.89	YES	
L0031986	0	0.30990E-06	461868.0	3777330.3	454.8	3.70	1.67	2.89	YES	
L0031987	0	0.30990E-06	461871.6	3777330.3	454.8	3.70	1.67			

2.89 YES
L0031988 0 0.30990E-06 461875.2 3777330.4 454.8 3.70 1.67
2.89 YES
L0031989 0 0.30990E-06 461878.8 3777330.4 454.8 3.70 1.67
2.89 YES
L0031990 0 0.30990E-06 461882.4 3777330.4 454.7 3.70 1.67
2.89 YES
L0031991 0 0.30990E-06 461886.0 3777330.4 454.7 3.70 1.67
2.89 YES
L0031992 0 0.30990E-06 461889.6 3777330.5 454.7 3.70 1.67
2.89 YES
L0031993 0 0.30990E-06 461893.2 3777330.5 454.6 3.70 1.67
2.89 YES
L0031994 0 0.30990E-06 461896.8 3777330.5 454.6 3.70 1.67
2.89 YES
L0031995 0 0.30990E-06 461900.4 3777330.5 454.6 3.70 1.67
2.89 YES
L0031996 0 0.30990E-06 461904.0 3777330.6 454.5 3.70 1.67
2.89 YES
L0031997 0 0.30990E-06 461907.6 3777330.6 454.5 3.70 1.67
2.89 YES
L0031998 0 0.30990E-06 461911.2 3777330.6 454.5 3.70 1.67
2.89 YES
L0031999 0 0.30990E-06 461914.8 3777330.6 454.4 3.70 1.67
2.89 YES
L0032000 0 0.30990E-06 461918.4 3777330.7 454.4 3.70 1.67
2.89 YES
L0032001 0 0.26270E-06 461420.7 3777267.1 462.8 3.70 1.67
2.89 YES
L0032002 0 0.26270E-06 461420.7 3777270.7 462.8 3.70 1.67
2.89 YES
L0032003 0 0.26270E-06 461420.7 3777274.3 462.9 3.70 1.67
2.89 YES
L0032004 0 0.26270E-06 461420.7 3777277.9 462.9 3.70 1.67
2.89 YES
L0032005 0 0.26270E-06 461420.7 3777281.5 462.9 3.70 1.67
2.89 YES
L0032006 0 0.26270E-06 461420.7 3777285.1 462.7 3.70 1.67
2.89 YES
L0032007 0 0.26270E-06 461420.7 3777288.7 462.4 3.70 1.67
2.89 YES
L0032008 0 0.26270E-06 461420.7 3777292.3 462.2 3.70 1.67
2.89 YES
L0032009 0 0.26270E-06 461420.7 3777295.9 462.0 3.70 1.67
2.89 YES
L0032010 0 0.26270E-06 461420.7 3777299.5 461.7 3.70 1.67
2.89 YES
L0032011 0 0.26270E-06 461420.7 3777303.1 461.5 3.70 1.67
2.89 YES
L0032012 0 0.26270E-06 461420.7 3777306.7 461.2 3.70 1.67

2.89 YES
L0032013 0 0.26270E-06 461420.7 3777310.3 461.0 3.70 1.67
2.89 YES
L0032014 0 0.26270E-06 461420.7 3777313.9 460.7 3.70 1.67
2.89 YES
L0032015 0 0.26270E-06 461420.7 3777317.5 460.2 3.70 1.67
2.89 YES
L0032016 0 0.26270E-06 461420.7 3777321.1 459.8 3.70 1.67
2.89 YES
L0032017 0 0.26270E-06 461420.7 3777324.7 459.4 3.70 1.67
2.89 YES
L0032018 0 0.26270E-06 461420.7 3777328.3 459.0 3.70 1.67
2.89 YES
L0032019 0 0.26270E-06 461420.7 3777331.9 458.5 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032020	0	0.26270E-06	461420.7	3777335.5	458.1	3.70	1.67	2.89	YES	
L0032021	0	0.26270E-06	461420.7	3777339.1	457.7	3.70	1.67	2.89	YES	
L0032022	0	0.26270E-06	461420.7	3777342.7	457.3	3.70	1.67	2.89	YES	
L0032023	0	0.26270E-06	461420.7	3777346.3	457.5	3.70	1.67	2.89	YES	
L0032024	0	0.26270E-06	461420.7	3777349.9	457.7	3.70	1.67	2.89	YES	
L0032025	0	0.26270E-06	461420.7	3777353.5	457.9	3.70	1.67	2.89	YES	
L0032026	0	0.26270E-06	461420.7	3777357.1	458.1	3.70	1.67	2.89	YES	
L0032027	0	0.26270E-06	461420.7	3777360.7	458.2	3.70	1.67			

2.89 YES
L0032028 0 0.26270E-06 461420.7 3777364.3 458.4 3.70 1.67
2.89 YES
L0032029 0 0.26270E-06 461420.7 3777367.9 458.6 3.70 1.67
2.89 YES
L0032030 0 0.26270E-06 461420.7 3777371.5 458.8 3.70 1.67
2.89 YES
L0032031 0 0.26270E-06 461420.7 3777375.1 459.2 3.70 1.67
2.89 YES
L0032032 0 0.26270E-06 461420.7 3777378.7 459.9 3.70 1.67
2.89 YES
L0032033 0 0.26270E-06 461420.7 3777382.3 460.5 3.70 1.67
2.89 YES
L0032034 0 0.26270E-06 461420.7 3777385.9 461.2 3.70 1.67
2.89 YES
L0032035 0 0.26270E-06 461420.7 3777389.5 461.8 3.70 1.67
2.89 YES
L0032036 0 0.26270E-06 461420.7 3777393.1 462.5 3.70 1.67
2.89 YES
L0032037 0 0.26270E-06 461420.7 3777396.7 463.2 3.70 1.67
2.89 YES
L0032038 0 0.26270E-06 461420.7 3777400.3 463.8 3.70 1.67
2.89 YES
L0032039 0 0.26270E-06 461420.7 3777403.9 464.5 3.70 1.67
2.89 YES
L0032040 0 0.26270E-06 461420.7 3777407.5 464.6 3.70 1.67
2.89 YES
L0032041 0 0.26270E-06 461420.7 3777411.1 464.8 3.70 1.67
2.89 YES
L0032042 0 0.26270E-06 461420.7 3777414.7 464.9 3.70 1.67
2.89 YES
L0032043 0 0.26270E-06 461420.7 3777418.3 465.1 3.70 1.67
2.89 YES
L0032044 0 0.26270E-06 461420.7 3777421.9 465.2 3.70 1.67
2.89 YES
L0032045 0 0.26270E-06 461420.7 3777425.5 465.3 3.70 1.67
2.89 YES
L0032046 0 0.26270E-06 461420.7 3777429.1 465.5 3.70 1.67
2.89 YES
L0032047 0 0.26270E-06 461420.7 3777432.7 465.6 3.70 1.67
2.89 YES
L0032048 0 0.26270E-06 461420.7 3777436.3 465.7 3.70 1.67
2.89 YES
L0032049 0 0.26270E-06 461420.7 3777439.9 465.7 3.70 1.67
2.89 YES
L0032050 0 0.26270E-06 461420.7 3777443.5 465.8 3.70 1.67
2.89 YES
L0032051 0 0.26270E-06 461420.7 3777447.1 465.8 3.70 1.67
2.89 YES
L0031118 0 0.31060E-06 461401.0 3777456.1 465.6 3.70 1.67

2.89 YES
L0031119 0 0.31060E-06 461397.4 3777456.1 465.5 3.70 1.67
2.89 YES
L0031120 0 0.31060E-06 461393.8 3777456.1 465.4 3.70 1.67
2.89 YES
L0031121 0 0.31060E-06 461390.2 3777456.1 465.3 3.70 1.67
2.89 YES
L0031122 0 0.31060E-06 461386.6 3777456.1 465.2 3.70 1.67
2.89 YES
L0031123 0 0.31060E-06 461383.0 3777456.1 465.2 3.70 1.67
2.89 YES
L0031124 0 0.31060E-06 461379.4 3777456.1 465.1 3.70 1.67
2.89 YES
L0031125 0 0.31060E-06 461375.8 3777456.0 465.0 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031126	0	0.31060E-06	461372.2	3777456.0	464.9	3.70	1.67	2.89	YES	
L0031127	0	0.31060E-06	461368.6	3777456.0	464.9	3.70	1.67	2.89	YES	
L0031128	0	0.31060E-06	461365.0	3777456.0	464.8	3.70	1.67	2.89	YES	
L0031129	0	0.31060E-06	461361.4	3777455.9	464.8	3.70	1.67	2.89	YES	
L0031130	0	0.31060E-06	461357.8	3777455.7	464.8	3.70	1.67	2.89	YES	
L0031131	0	0.31060E-06	461354.3	3777455.5	464.7	3.70	1.67	2.89	YES	
L0031132	0	0.31060E-06	461350.7	3777455.2	464.7	3.70	1.67	2.89	YES	
L0031133	0	0.31060E-06	461347.1	3777455.0	464.7	3.70	1.67			

2.89 YES
L0031134 0 0.31060E-06 461343.5 3777454.7 464.7 3.70 1.67
2.89 YES
L0031135 0 0.31060E-06 461339.9 3777454.5 464.6 3.70 1.67
2.89 YES
L0031136 0 0.31060E-06 461336.3 3777454.2 464.6 3.70 1.67
2.89 YES
L0031137 0 0.31060E-06 461332.7 3777454.0 464.6 3.70 1.67
2.89 YES
L0031138 0 0.31060E-06 461329.1 3777453.8 464.6 3.70 1.67
2.89 YES
L0031139 0 0.31060E-06 461325.5 3777453.5 464.6 3.70 1.67
2.89 YES
L0031140 0 0.31060E-06 461321.9 3777453.3 464.5 3.70 1.67
2.89 YES
L0031141 0 0.31060E-06 461318.3 3777453.0 464.5 3.70 1.67
2.89 YES
L0031142 0 0.31060E-06 461314.7 3777452.8 464.5 3.70 1.67
2.89 YES
L0031143 0 0.31060E-06 461311.2 3777452.1 464.5 3.70 1.67
2.89 YES
L0031144 0 0.31060E-06 461307.7 3777451.4 464.5 3.70 1.67
2.89 YES
L0031145 0 0.31060E-06 461304.1 3777450.7 464.4 3.70 1.67
2.89 YES
L0031146 0 0.31060E-06 461300.6 3777450.0 464.4 3.70 1.67
2.89 YES
L0031147 0 0.31060E-06 461297.1 3777449.3 464.4 3.70 1.67
2.89 YES
L0031148 0 0.31060E-06 461293.5 3777448.6 464.4 3.70 1.67
2.89 YES
L0031149 0 0.31060E-06 461290.0 3777447.9 464.3 3.70 1.67
2.89 YES
L0031150 0 0.31060E-06 461286.5 3777447.2 464.3 3.70 1.67
2.89 YES
L0031151 0 0.31060E-06 461283.0 3777446.5 464.3 3.70 1.67
2.89 YES
L0031152 0 0.31060E-06 461279.5 3777445.6 464.3 3.70 1.67
2.89 YES
L0031153 0 0.31060E-06 461276.0 3777444.5 464.2 3.70 1.67
2.89 YES
L0031154 0 0.31060E-06 461272.6 3777443.5 464.2 3.70 1.67
2.89 YES
L0031155 0 0.31060E-06 461269.2 3777442.4 464.1 3.70 1.67
2.89 YES
L0031156 0 0.31060E-06 461265.7 3777441.3 464.1 3.70 1.67
2.89 YES
L0031157 0 0.31060E-06 461262.3 3777440.2 464.0 3.70 1.67
2.89 YES
L0031158 0 0.31060E-06 461258.9 3777439.2 464.0 3.70 1.67

2.89 YES
L0031159 0 0.31060E-06 461255.4 3777438.1 463.9 3.70 1.67
2.89 YES
L0031160 0 0.31060E-06 461252.0 3777437.0 463.9 3.70 1.67
2.89 YES
L0031161 0 0.31060E-06 461248.6 3777436.0 463.9 3.70 1.67
2.89 YES
L0031162 0 0.31060E-06 461245.1 3777434.9 463.8 3.70 1.67
2.89 YES
L0031163 0 0.31060E-06 461241.7 3777433.8 463.8 3.70 1.67
2.89 YES
L0031164 0 0.31060E-06 461238.2 3777432.7 463.8 3.70 1.67
2.89 YES
L0031165 0 0.31060E-06 461234.8 3777431.7 463.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031166	0	0.31060E-06	461231.4	3777430.6	463.7	3.70	1.67	2.89	YES	
L0031167	0	0.31060E-06	461227.9	3777429.5	463.7	3.70	1.67	2.89	YES	
L0031168	0	0.31060E-06	461224.5	3777428.5	463.7	3.70	1.67	2.89	YES	
L0031169	0	0.31060E-06	461221.0	3777427.4	463.7	3.70	1.67	2.89	YES	
L0031170	0	0.31060E-06	461217.6	3777426.4	463.6	3.70	1.67	2.89	YES	
L0031171	0	0.31060E-06	461214.1	3777425.4	463.6	3.70	1.67	2.89	YES	
L0031172	0	0.31060E-06	461210.7	3777424.4	463.6	3.70	1.67	2.89	YES	
L0031173	0	0.31060E-06	461207.2	3777423.4	463.5	3.70	1.67			

2.89 YES
L0031174 0 0.31060E-06 461203.8 3777422.4 463.5 3.70 1.67
2.89 YES
L0031175 0 0.31060E-06 461200.3 3777421.4 463.5 3.70 1.67
2.89 YES
L0031176 0 0.31060E-06 461196.9 3777420.3 463.4 3.70 1.67
2.89 YES
L0031177 0 0.31060E-06 461193.4 3777419.3 463.4 3.70 1.67
2.89 YES
L0031178 0 0.31060E-06 461190.0 3777418.3 463.4 3.70 1.67
2.89 YES
L0031179 0 0.31060E-06 461186.5 3777417.3 463.3 3.70 1.67
2.89 YES
L0031180 0 0.31060E-06 461183.0 3777416.3 463.3 3.70 1.67
2.89 YES
L0031181 0 0.31060E-06 461179.6 3777415.3 463.3 3.70 1.67
2.89 YES
L0031182 0 0.31060E-06 461176.1 3777414.3 463.2 3.70 1.67
2.89 YES
L0031183 0 0.31060E-06 461172.7 3777413.3 463.2 3.70 1.67
2.89 YES
L0031184 0 0.31060E-06 461169.2 3777412.3 463.2 3.70 1.67
2.89 YES
L0031185 0 0.31060E-06 461165.7 3777411.7 463.2 3.70 1.67
2.89 YES
L0031186 0 0.31060E-06 461162.1 3777411.0 463.2 3.70 1.67
2.89 YES
L0031187 0 0.31060E-06 461158.6 3777410.3 463.2 3.70 1.67
2.89 YES
L0031188 0 0.31060E-06 461155.1 3777409.6 463.2 3.70 1.67
2.89 YES
L0031189 0 0.31060E-06 461151.5 3777409.0 463.2 3.70 1.67
2.89 YES
L0031190 0 0.31060E-06 461148.0 3777408.3 463.2 3.70 1.67
2.89 YES
L0031191 0 0.31060E-06 461144.5 3777407.6 463.1 3.70 1.67
2.89 YES
L0031192 0 0.31060E-06 461140.9 3777406.9 463.1 3.70 1.67
2.89 YES
L0031193 0 0.31060E-06 461137.4 3777406.2 463.1 3.70 1.67
2.89 YES
L0031194 0 0.31060E-06 461133.8 3777405.6 463.1 3.70 1.67
2.89 YES
L0031195 0 0.31060E-06 461130.3 3777404.9 463.1 3.70 1.67
2.89 YES
L0031196 0 0.31060E-06 461126.8 3777404.2 463.2 3.70 1.67
2.89 YES
L0031197 0 0.31060E-06 461123.2 3777403.5 463.2 3.70 1.67
2.89 YES
L0031198 0 0.31060E-06 461119.7 3777402.8 463.2 3.70 1.67

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2.89     YES
 L0031199         0   0.31060E-06  461116.2 3777402.2   463.3     3.70     1.67
2.89     YES
 L0031200         0   0.31060E-06  461112.6 3777401.5   463.3     3.70     1.67
2.89     YES
 L0031201         0   0.31060E-06  461109.1 3777400.8   463.3     3.70     1.67
2.89     YES
 L0031202         0   0.31060E-06  461105.6 3777400.1   463.4     3.70     1.67
2.89     YES
 L0031203         0   0.31060E-06  461102.0 3777399.4   463.4     3.70     1.67
2.89     YES
 L0031204         0   0.31060E-06  461098.5 3777398.8   463.5     3.70     1.67
2.89     YES
 L0031205         0   0.31060E-06  461095.0 3777398.1   463.5     3.70     1.67
2.89     YES
```



```
                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0031206         0   0.31060E-06  461091.4 3777397.5   463.6     3.70     1.67
2.89     YES
 L0031207         0   0.31060E-06  461087.8 3777397.0   463.7     3.70     1.67
2.89     YES
 L0031208         0   0.31060E-06  461084.3 3777396.5   463.7     3.70     1.67
2.89     YES
 L0031209         0   0.31060E-06  461080.7 3777396.1   463.8     3.70     1.67
2.89     YES
 L0031210         0   0.31060E-06  461077.1 3777395.6   463.8     3.70     1.67
2.89     YES
 L0031211         0   0.31060E-06  461073.6 3777395.1   463.9     3.70     1.67
2.89     YES
 L0031212         0   0.31060E-06  461070.0 3777394.6   463.9     3.70     1.67
2.89     YES
 L0031213         0   0.31060E-06  461066.4 3777394.1   463.9     3.70     1.67
```

2.89 YES
L0031214 0 0.31060E-06 461062.9 3777393.7 464.0 3.70 1.67
2.89 YES
L0031215 0 0.31060E-06 461059.3 3777393.2 464.0 3.70 1.67
2.89 YES
L0031216 0 0.31060E-06 461055.7 3777392.7 464.0 3.70 1.67
2.89 YES
L0031217 0 0.31060E-06 461052.2 3777392.2 464.1 3.70 1.67
2.89 YES
L0031218 0 0.31060E-06 461048.6 3777392.0 464.1 3.70 1.67
2.89 YES
L0031219 0 0.31060E-06 461045.0 3777391.9 464.2 3.70 1.67
2.89 YES
L0031220 0 0.31060E-06 461041.4 3777391.9 464.2 3.70 1.67
2.89 YES
L0031221 0 0.31060E-06 461037.8 3777391.8 464.3 3.70 1.67
2.89 YES
L0031222 0 0.31060E-06 461034.2 3777391.7 464.3 3.70 1.67
2.89 YES
L0031223 0 0.31060E-06 461030.6 3777391.6 464.4 3.70 1.67
2.89 YES
L0031224 0 0.31060E-06 461027.0 3777391.5 464.4 3.70 1.67
2.89 YES
L0031225 0 0.31060E-06 461023.4 3777391.5 464.5 3.70 1.67
2.89 YES
L0031226 0 0.31060E-06 461019.8 3777391.4 464.5 3.70 1.67
2.89 YES
L0031227 0 0.31060E-06 461016.2 3777391.3 464.5 3.70 1.67
2.89 YES
L0031228 0 0.31060E-06 461012.6 3777391.2 464.6 3.70 1.67
2.89 YES
L0031229 0 0.31060E-06 461009.0 3777391.1 464.6 3.70 1.67
2.89 YES
L0031230 0 0.31060E-06 461005.4 3777391.0 464.7 3.70 1.67
2.89 YES
L0031231 0 0.31060E-06 461001.8 3777391.0 464.7 3.70 1.67
2.89 YES
L0031232 0 0.31060E-06 460998.2 3777390.9 464.7 3.70 1.67
2.89 YES
L0031233 0 0.31060E-06 460994.6 3777390.8 464.7 3.70 1.67
2.89 YES
L0031234 0 0.31060E-06 460991.0 3777390.7 464.7 3.70 1.67
2.89 YES
L0031235 0 0.31060E-06 460987.4 3777390.6 464.8 3.70 1.67
2.89 YES
L0031236 0 0.31060E-06 460983.8 3777390.6 464.8 3.70 1.67
2.89 YES
L0031237 0 0.31060E-06 460980.2 3777390.5 464.8 3.70 1.67
2.89 YES
L0031238 0 0.31060E-06 460976.6 3777390.4 464.8 3.70 1.67

2.89 YES
L0031239 0 0.31060E-06 460973.0 3777390.3 464.8 3.70 1.67
2.89 YES
L0031240 0 0.31060E-06 460969.4 3777390.2 464.8 3.70 1.67
2.89 YES
L0031241 0 0.31060E-06 460965.8 3777390.2 464.8 3.70 1.67
2.89 YES
L0031242 0 0.31060E-06 460962.2 3777390.1 464.9 3.70 1.67
2.89 YES
L0031243 0 0.31060E-06 460958.6 3777390.0 464.9 3.70 1.67
2.89 YES
L0031244 0 0.31060E-06 460955.0 3777389.9 464.9 3.70 1.67
2.89 YES
L0031245 0 0.31060E-06 460951.4 3777389.8 464.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031246	0	0.31060E-06	460947.8	3777389.8	464.9	3.70	1.67	2.89	YES	
L0031247	0	0.31060E-06	460944.2	3777389.7	464.9	3.70	1.67	2.89	YES	
L0031248	0	0.31060E-06	460940.6	3777389.6	465.0	3.70	1.67	2.89	YES	
L0031249	0	0.31060E-06	460937.0	3777389.5	465.0	3.70	1.67	2.89	YES	
L0031250	0	0.31060E-06	460933.4	3777389.4	465.0	3.70	1.67	2.89	YES	
L0031251	0	0.31060E-06	460929.8	3777389.4	465.0	3.70	1.67	2.89	YES	
L0031252	0	0.31060E-06	460926.2	3777389.3	465.1	3.70	1.67	2.89	YES	
L0031253	0	0.31060E-06	460922.6	3777389.2	465.1	3.70	1.67			

2.89 YES
L0031254 0 0.31060E-06 460919.0 3777389.1 465.1 3.70 1.67
2.89 YES
L0031255 0 0.31060E-06 460915.4 3777389.0 465.1 3.70 1.67
2.89 YES
L0031256 0 0.31060E-06 460911.8 3777388.9 465.2 3.70 1.67
2.89 YES
L0031257 0 0.31060E-06 460908.2 3777388.9 465.2 3.70 1.67
2.89 YES
L0031258 0 0.31060E-06 460904.6 3777388.8 465.2 3.70 1.67
2.89 YES
L0031259 0 0.31060E-06 460901.0 3777388.7 465.2 3.70 1.67
2.89 YES
L0032052 0 0.27330E-06 461407.7 3777260.3 462.7 3.70 1.67
2.89 YES
L0032053 0 0.27330E-06 461407.7 3777256.7 462.7 3.70 1.67
2.89 YES
L0032054 0 0.27330E-06 461407.8 3777253.1 462.6 3.70 1.67
2.89 YES
L0032055 0 0.27330E-06 461407.8 3777249.5 462.6 3.70 1.67
2.89 YES
L0032056 0 0.27330E-06 461407.9 3777245.9 462.5 3.70 1.67
2.89 YES
L0032057 0 0.27330E-06 461407.9 3777242.3 462.4 3.70 1.67
2.89 YES
L0032058 0 0.27330E-06 461408.0 3777238.7 462.4 3.70 1.67
2.89 YES
L0032059 0 0.27330E-06 461408.0 3777235.1 462.3 3.70 1.67
2.89 YES
L0032060 0 0.27330E-06 461408.1 3777231.5 462.2 3.70 1.67
2.89 YES
L0032061 0 0.27330E-06 461408.1 3777227.9 462.1 3.70 1.67
2.89 YES
L0032062 0 0.27330E-06 461408.2 3777224.3 462.1 3.70 1.67
2.89 YES
L0032063 0 0.27330E-06 461408.2 3777220.7 462.0 3.70 1.67
2.89 YES
L0032064 0 0.27330E-06 461408.3 3777217.1 461.9 3.70 1.67
2.89 YES
L0032065 0 0.27330E-06 461408.3 3777213.5 461.8 3.70 1.67
2.89 YES
L0032066 0 0.27330E-06 461408.4 3777209.9 461.7 3.70 1.67
2.89 YES
L0032067 0 0.27330E-06 461408.4 3777206.3 461.7 3.70 1.67
2.89 YES
L0032068 0 0.27330E-06 461408.5 3777202.7 461.6 3.70 1.67
2.89 YES
L0032069 0 0.27330E-06 461408.5 3777199.1 461.5 3.70 1.67
2.89 YES
L0032070 0 0.27330E-06 461408.6 3777195.5 461.4 3.70 1.67

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032071	0	0.27330E-06	461408.6	3777191.9	461.3	3.70	1.67	2.89	YES	
L0032072	0	0.27330E-06	461408.7	3777188.3	461.2	3.70	1.67	2.89	YES	
L0032073	0	0.27330E-06	461408.7	3777184.7	461.2	3.70	1.67	2.89	YES	
L0032074	0	0.27330E-06	461408.8	3777181.1	461.1	3.70	1.67	2.89	YES	
L0032075	0	0.27330E-06	461408.8	3777177.5	461.0	3.70	1.67	2.89	YES	
L0032076	0	0.27330E-06	461408.9	3777173.9	460.9	3.70	1.67	2.89	YES	
L0032077	0	0.27330E-06	461408.9	3777170.3	460.9	3.70	1.67	2.89	YES	
L0032078	0	0.27330E-06	461409.0	3777166.7	460.8	3.70	1.67	2.89	YES	
L0032079	0	0.27330E-06	461409.0	3777163.1	460.7	3.70	1.67	2.89	YES	
L0032080	0	0.27330E-06	461409.1	3777159.5	460.6	3.70	1.67	2.89	YES	
L0032081	0	0.27330E-06	461409.1	3777155.9	460.6	3.70	1.67	2.89	YES	
L0032082	0	0.27330E-06	461409.2	3777152.3	460.5	3.70	1.67	2.89	YES	
L0032083	0	0.27330E-06	461409.2	3777148.7	460.4	3.70	1.67	2.89	YES	
L0032084	0	0.27330E-06	461409.3	3777145.1	460.3	3.70	1.67	2.89	YES	
L0032085	0	0.27330E-06	461409.2	3777141.5	460.2	3.70	1.67			

2.89 YES
L0032086 0 0.27330E-06 461409.1 3777137.9 460.1 3.70 1.67
2.89 YES
L0032087 0 0.27330E-06 461408.9 3777134.3 460.1 3.70 1.67
2.89 YES
L0032088 0 0.27330E-06 461408.8 3777130.7 460.0 3.70 1.67
2.89 YES
L0032089 0 0.27330E-06 461408.7 3777127.1 459.9 3.70 1.67
2.89 YES
L0032090 0 0.27330E-06 461408.6 3777123.5 459.8 3.70 1.67
2.89 YES
L0032091 0 0.27330E-06 461408.5 3777119.9 459.7 3.70 1.67
2.89 YES
L0032092 0 0.27330E-06 461408.4 3777116.3 459.7 3.70 1.67
2.89 YES
L0032093 0 0.27330E-06 461408.3 3777112.7 459.6 3.70 1.67
2.89 YES
L0032094 0 0.27330E-06 461408.2 3777109.1 459.5 3.70 1.67
2.89 YES
L0032095 0 0.27330E-06 461408.1 3777105.5 459.5 3.70 1.67
2.89 YES
L0032096 0 0.27330E-06 461408.0 3777101.9 459.4 3.70 1.67
2.89 YES
L0032097 0 0.27330E-06 461407.8 3777098.3 459.3 3.70 1.67
2.89 YES
L0032098 0 0.27330E-06 461407.7 3777094.7 459.2 3.70 1.67
2.89 YES
L0032099 0 0.27330E-06 461407.6 3777091.1 459.2 3.70 1.67
2.89 YES
L0032100 0 0.27330E-06 461407.5 3777087.5 459.0 3.70 1.67
2.89 YES
L0032101 0 0.27330E-06 461407.4 3777083.9 458.9 3.70 1.67
2.89 YES
L0032102 0 0.27330E-06 461407.3 3777080.3 458.8 3.70 1.67
2.89 YES
L0032103 0 0.27330E-06 461407.2 3777076.7 458.7 3.70 1.67
2.89 YES
L0032104 0 0.27330E-06 461407.1 3777073.1 458.6 3.70 1.67
2.89 YES
L0032105 0 0.27330E-06 461407.0 3777069.5 458.5 3.70 1.67
2.89 YES
L0032106 0 0.27330E-06 461406.9 3777065.9 458.4 3.70 1.67
2.89 YES
L0032107 0 0.27330E-06 461406.8 3777062.3 458.3 3.70 1.67
2.89 YES
L0032108 0 0.27330E-06 461406.8 3777058.7 458.2 3.70 1.67
2.89 YES
L0032109 0 0.27330E-06 461406.8 3777055.1 458.2 3.70 1.67
2.89 YES
L0032110 0 0.27330E-06 461406.7 3777051.5 458.1 3.70 1.67

2.89 YES
L0032111 0 0.27330E-06 461406.7 3777047.9 458.0 3.70 1.67
2.89 YES
L0032112 0 0.27330E-06 461406.7 3777044.3 457.9 3.70 1.67
2.89 YES
L0032113 0 0.27330E-06 461406.7 3777040.7 457.8 3.70 1.67
2.89 YES
L0032114 0 0.27330E-06 461406.7 3777037.1 457.7 3.70 1.67
2.89 YES
L0032115 0 0.27330E-06 461406.6 3777033.5 457.7 3.70 1.67
2.89 YES
L0032116 0 0.27330E-06 461406.6 3777029.9 457.6 3.70 1.67
2.89 YES
L0032117 0 0.27330E-06 461406.6 3777026.3 457.5 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032118	0	0.27330E-06	461406.6	3777022.7	457.4	3.70	1.67	2.89	YES	
L0032119	0	0.27330E-06	461406.5	3777019.1	457.4	3.70	1.67	2.89	YES	
L0032120	0	0.27330E-06	461406.5	3777015.5	457.3	3.70	1.67	2.89	YES	
L0032121	0	0.27330E-06	461406.5	3777011.9	457.2	3.70	1.67	2.89	YES	
L0032122	0	0.27330E-06	461406.5	3777008.3	457.2	3.70	1.67	2.89	YES	
L0032123	0	0.27330E-06	461406.5	3777004.7	457.1	3.70	1.67	2.89	YES	
L0032124	0	0.27330E-06	461406.5	3777001.1	457.0	3.70	1.67	2.89	YES	
L0032125	0	0.27330E-06	461406.4	3776997.5	457.0	3.70	1.67			

2.89 YES
L0032126 0 0.27330E-06 461406.4 3776993.9 456.9 3.70 1.67
2.89 YES
L0032127 0 0.27330E-06 461406.4 3776990.3 456.8 3.70 1.67
2.89 YES
L0032128 0 0.27330E-06 461406.4 3776986.7 456.8 3.70 1.67
2.89 YES
L0032129 0 0.27330E-06 461406.3 3776983.1 456.7 3.70 1.67
2.89 YES
L0032130 0 0.27330E-06 461406.3 3776979.5 456.6 3.70 1.67
2.89 YES
L0032131 0 0.27330E-06 461406.3 3776975.9 456.6 3.70 1.67
2.89 YES
L0032132 0 0.27330E-06 461406.3 3776972.3 456.5 3.70 1.67
2.89 YES
L0032133 0 0.27330E-06 461406.3 3776968.7 456.4 3.70 1.67
2.89 YES
L0032134 0 0.27330E-06 461406.2 3776965.1 456.3 3.70 1.67
2.89 YES
L0032135 0 0.27330E-06 461406.2 3776961.5 456.2 3.70 1.67
2.89 YES
L0032136 0 0.27330E-06 461406.2 3776957.9 456.2 3.70 1.67
2.89 YES
L0032137 0 0.27330E-06 461406.2 3776954.3 456.1 3.70 1.67
2.89 YES
L0032138 0 0.27330E-06 461406.2 3776950.7 456.0 3.70 1.67
2.89 YES
L0032139 0 0.27330E-06 461406.1 3776947.1 455.9 3.70 1.67
2.89 YES
L0032140 0 0.27330E-06 461406.1 3776943.5 455.9 3.70 1.67
2.89 YES
L0032141 0 0.27330E-06 461406.1 3776939.9 455.8 3.70 1.67
2.89 YES
L0032142 0 0.27330E-06 461406.1 3776936.3 455.7 3.70 1.67
2.89 YES
L0032143 0 0.27330E-06 461406.1 3776932.7 455.6 3.70 1.67
2.89 YES
L0032144 0 0.27330E-06 461406.0 3776929.1 455.6 3.70 1.67
2.89 YES
L0032145 0 0.27330E-06 461406.0 3776925.5 455.5 3.70 1.67
2.89 YES
L0032146 0 0.27330E-06 461406.0 3776921.9 455.4 3.70 1.67
2.89 YES
L0032147 0 0.27330E-06 461406.0 3776918.3 455.3 3.70 1.67
2.89 YES
L0032148 0 0.27330E-06 461406.0 3776914.7 455.2 3.70 1.67
2.89 YES
L0032149 0 0.27330E-06 461405.9 3776911.1 455.2 3.70 1.67
2.89 YES
L0032150 0 0.27330E-06 461405.9 3776907.5 455.1 3.70 1.67

2.89 YES
L0032151 0 0.27330E-06 461405.9 3776903.9 455.0 3.70 1.67
2.89 YES
L0032152 0 0.27330E-06 461405.9 3776900.3 454.9 3.70 1.67
2.89 YES
L0032153 0 0.27330E-06 461405.9 3776896.7 454.9 3.70 1.67
2.89 YES
L0032154 0 0.27330E-06 461405.8 3776893.1 454.8 3.70 1.67
2.89 YES
L0032155 0 0.27330E-06 461405.8 3776889.5 454.7 3.70 1.67
2.89 YES
L0032156 0 0.27330E-06 461405.8 3776885.9 454.7 3.70 1.67
2.89 YES
L0032157 0 0.27330E-06 461405.8 3776882.3 454.6 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032158	0	0.27330E-06	461405.8	3776878.7	454.5	3.70	1.67	2.89	YES	
L0032159	0	0.27330E-06	461405.7	3776875.1	454.4	3.70	1.67	2.89	YES	
L0032160	0	0.27330E-06	461405.7	3776871.5	454.4	3.70	1.67	2.89	YES	
L0032161	0	0.27330E-06	461405.7	3776867.9	454.3	3.70	1.67	2.89	YES	
L0032162	0	0.27330E-06	461405.7	3776864.3	454.2	3.70	1.67	2.89	YES	
L0032163	0	0.27330E-06	461405.7	3776860.7	454.2	3.70	1.67	2.89	YES	
L0032164	0	0.27330E-06	461405.6	3776857.1	454.1	3.70	1.67	2.89	YES	
L0032165	0	0.27330E-06	461405.6	3776853.5	454.0	3.70	1.67			

2.89 YES
L0032166 0 0.27330E-06 461405.6 3776849.9 454.0 3.70 1.67
2.89 YES
L0032167 0 0.27330E-06 461405.6 3776846.3 453.9 3.70 1.67
2.89 YES
L0032168 0 0.27330E-06 461405.6 3776842.7 453.8 3.70 1.67
2.89 YES
L0032169 0 0.27330E-06 461405.5 3776839.1 453.8 3.70 1.67
2.89 YES
L0032170 0 0.27330E-06 461405.5 3776835.5 453.7 3.70 1.67
2.89 YES
L0032171 0 0.27330E-06 461405.5 3776831.9 453.6 3.70 1.67
2.89 YES
L0032172 0 0.27330E-06 461405.5 3776828.3 453.6 3.70 1.67
2.89 YES
L0032173 0 0.27330E-06 461405.5 3776824.7 453.5 3.70 1.67
2.89 YES
L0032174 0 0.27330E-06 461405.4 3776821.1 453.4 3.70 1.67
2.89 YES
L0032175 0 0.27330E-06 461405.4 3776817.5 453.4 3.70 1.67
2.89 YES
L0032176 0 0.27330E-06 461405.4 3776813.9 453.3 3.70 1.67
2.89 YES
L0032177 0 0.27330E-06 461405.4 3776810.3 453.2 3.70 1.67
2.89 YES
L0032178 0 0.27330E-06 461405.4 3776806.7 453.1 3.70 1.67
2.89 YES
L0032179 0 0.27330E-06 461405.3 3776803.1 453.1 3.70 1.67
2.89 YES
L0032180 0 0.27330E-06 461405.3 3776799.5 453.0 3.70 1.67
2.89 YES
L0032181 0 0.27330E-06 461405.3 3776795.9 452.9 3.70 1.67
2.89 YES
L0032182 0 0.27330E-06 461405.3 3776792.3 452.9 3.70 1.67
2.89 YES
L0032183 0 0.27330E-06 461405.3 3776788.7 452.8 3.70 1.67
2.89 YES
L0032184 0 0.27330E-06 461405.2 3776785.1 452.7 3.70 1.67
2.89 YES
L0032185 0 0.27330E-06 461405.2 3776781.5 452.6 3.70 1.67
2.89 YES
L0032186 0 0.27330E-06 461405.2 3776777.9 452.6 3.70 1.67
2.89 YES
L0032187 0 0.27330E-06 461405.2 3776774.3 452.5 3.70 1.67
2.89 YES
L0032188 0 0.27330E-06 461405.2 3776770.7 452.4 3.70 1.67
2.89 YES
L0032189 0 0.27330E-06 461405.1 3776767.1 452.4 3.70 1.67
2.89 YES
L0032190 0 0.27330E-06 461405.1 3776763.5 452.3 3.70 1.67

2.89 YES
L0032191 0 0.27330E-06 461405.1 3776759.9 452.2 3.70 1.67
2.89 YES
L0032192 0 0.27330E-06 461405.1 3776756.3 452.2 3.70 1.67
2.89 YES
L0032193 0 0.27330E-06 461405.1 3776752.7 452.1 3.70 1.67
2.89 YES
L0032194 0 0.27330E-06 461405.0 3776749.1 452.0 3.70 1.67
2.89 YES
L0032195 0 0.27330E-06 461405.0 3776745.5 451.9 3.70 1.67
2.89 YES
L0032196 0 0.27330E-06 461405.0 3776741.9 451.9 3.70 1.67
2.89 YES
L0032197 0 0.27330E-06 461405.0 3776738.3 451.8 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032198	0	0.27330E-06	461405.0	3776734.7	451.7	3.70	1.67	2.89	YES	
L0032199	0	0.27330E-06	461404.9	3776731.1	451.6	3.70	1.67	2.89	YES	
L0032200	0	0.27330E-06	461404.9	3776727.5	451.6	3.70	1.67	2.89	YES	
L0032201	0	0.27330E-06	461404.9	3776723.9	451.5	3.70	1.67	2.89	YES	
L0032202	0	0.27330E-06	461404.9	3776720.3	451.4	3.70	1.67	2.89	YES	
L0032203	0	0.27330E-06	461404.9	3776716.7	451.3	3.70	1.67	2.89	YES	
L0032204	0	0.27330E-06	461404.8	3776713.1	451.2	3.70	1.67	2.89	YES	
L0032205	0	0.27330E-06	461404.8	3776709.5	451.1	3.70	1.67			

2.89 YES
L0032206 0 0.27330E-06 461404.8 3776705.9 451.0 3.70 1.67
2.89 YES
L0032207 0 0.27330E-06 461404.8 3776702.3 450.9 3.70 1.67
2.89 YES
L0032208 0 0.27330E-06 461404.8 3776698.8 450.9 3.70 1.67
2.89 YES
L0032209 0 0.27330E-06 461404.7 3776695.1 450.8 3.70 1.67
2.89 YES
L0032210 0 0.27330E-06 461404.7 3776691.5 450.7 3.70 1.67
2.89 YES
L0032211 0 0.27330E-06 461404.7 3776687.9 450.6 3.70 1.67
2.89 YES
L0032212 0 0.27330E-06 461404.7 3776684.3 450.4 3.70 1.67
2.89 YES
L0032213 0 0.27330E-06 461404.7 3776680.8 450.3 3.70 1.67
2.89 YES
L0032214 0 0.27330E-06 461404.6 3776677.1 450.2 3.70 1.67
2.89 YES
L0032215 0 0.27330E-06 461404.6 3776673.5 450.1 3.70 1.67
2.89 YES
L0032216 0 0.27330E-06 461404.6 3776669.9 450.0 3.70 1.67
2.89 YES
L0032217 0 0.27330E-06 461404.6 3776666.3 449.9 3.70 1.67
2.89 YES
L0032218 0 0.27330E-06 461404.6 3776662.8 449.8 3.70 1.67
2.89 YES
L0032219 0 0.27330E-06 461404.5 3776659.1 449.8 3.70 1.67
2.89 YES
L0032220 0 0.27330E-06 461404.5 3776655.5 449.7 3.70 1.67
2.89 YES
L0032221 0 0.27330E-06 461404.5 3776651.9 449.6 3.70 1.67
2.89 YES
L0032222 0 0.27330E-06 461404.5 3776648.3 449.5 3.70 1.67
2.89 YES
L0032223 0 0.27330E-06 461404.5 3776644.8 449.4 3.70 1.67
2.89 YES
L0032224 0 0.27330E-06 461404.4 3776641.1 449.4 3.70 1.67
2.89 YES
L0032225 0 0.27330E-06 461404.4 3776637.6 449.3 3.70 1.67
2.89 YES
L0032226 0 0.27330E-06 461404.4 3776634.0 449.2 3.70 1.67
2.89 YES
L0032227 0 0.27330E-06 461404.4 3776630.4 449.2 3.70 1.67
2.89 YES
L0032228 0 0.27330E-06 461404.4 3776626.8 449.1 3.70 1.67
2.89 YES
L0032229 0 0.27330E-06 461404.3 3776623.2 449.0 3.70 1.67
2.89 YES
L0032230 0 0.27330E-06 461404.3 3776619.6 449.0 3.70 1.67

2.89 YES
L0032231 0 0.27330E-06 461404.3 3776616.0 448.9 3.70 1.67
2.89 YES
L0032232 0 0.27330E-06 461404.3 3776612.4 448.8 3.70 1.67
2.89 YES
L0032233 0 0.27330E-06 461404.3 3776608.8 448.8 3.70 1.67
2.89 YES
L0032234 0 0.27330E-06 461404.2 3776605.2 448.7 3.70 1.67
2.89 YES
L0032235 0 0.27330E-06 461404.2 3776601.6 448.7 3.70 1.67
2.89 YES
L0032236 0 0.27330E-06 461404.2 3776598.0 448.6 3.70 1.67
2.89 YES
L0032237 0 0.27330E-06 461404.2 3776594.4 448.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032238	0	0.27330E-06	461404.2	3776590.8	448.5	3.70	1.67	2.89	YES	
L0032239	0	0.27330E-06	461404.1	3776587.2	448.4	3.70	1.67	2.89	YES	
L0032240	0	0.27330E-06	461404.1	3776583.6	448.4	3.70	1.67	2.89	YES	
L0032241	0	0.27330E-06	461404.1	3776580.0	448.3	3.70	1.67	2.89	YES	
L0032242	0	0.27330E-06	461404.1	3776576.4	448.2	3.70	1.67	2.89	YES	
L0032243	0	0.27330E-06	461404.1	3776572.8	448.2	3.70	1.67	2.89	YES	
L0032244	0	0.27330E-06	461404.0	3776569.2	448.1	3.70	1.67	2.89	YES	
L0032245	0	0.27330E-06	461404.0	3776565.6	448.1	3.70	1.67			

2.89 YES
L0032246 0 0.27330E-06 461404.0 3776562.0 448.0 3.70 1.67
2.89 YES
L0032247 0 0.27330E-06 461404.0 3776558.4 447.9 3.70 1.67
2.89 YES
L0032248 0 0.27330E-06 461404.0 3776554.8 447.9 3.70 1.67
2.89 YES
L0032249 0 0.27330E-06 461403.9 3776551.2 447.8 3.70 1.67
2.89 YES
L0032250 0 0.27330E-06 461403.9 3776547.6 447.7 3.70 1.67
2.89 YES
L0032251 0 0.27330E-06 461403.9 3776544.0 447.7 3.70 1.67
2.89 YES
L0032252 0 0.27330E-06 461403.9 3776540.4 447.6 3.70 1.67
2.89 YES
L0032253 0 0.27330E-06 461403.9 3776536.8 447.5 3.70 1.67
2.89 YES
L0032254 0 0.27330E-06 461403.8 3776533.2 447.5 3.70 1.67
2.89 YES
L0032255 0 0.27330E-06 461403.8 3776529.6 447.4 3.70 1.67
2.89 YES
L0032256 0 0.27330E-06 461403.8 3776526.0 447.3 3.70 1.67
2.89 YES
L0032257 0 0.27330E-06 461403.8 3776522.4 447.3 3.70 1.67
2.89 YES
L0032258 0 0.27330E-06 461403.8 3776518.8 447.2 3.70 1.67
2.89 YES
L0032259 0 0.27330E-06 461403.7 3776515.2 447.1 3.70 1.67
2.89 YES
L0032260 0 0.27330E-06 461403.7 3776511.6 447.1 3.70 1.67
2.89 YES
L0032261 0 0.27330E-06 461403.7 3776508.0 447.0 3.70 1.67
2.89 YES
L0032262 0 0.27330E-06 461403.7 3776504.4 446.9 3.70 1.67
2.89 YES
L0032263 0 0.27330E-06 461403.7 3776500.8 446.8 3.70 1.67
2.89 YES
L0032264 0 0.27330E-06 461403.6 3776497.2 446.7 3.70 1.67
2.89 YES
L0032265 0 0.27330E-06 461403.6 3776493.6 446.6 3.70 1.67
2.89 YES
L0032266 0 0.27330E-06 461403.6 3776490.0 446.5 3.70 1.67
2.89 YES
L0032267 0 0.27330E-06 461403.6 3776486.4 446.4 3.70 1.67
2.89 YES
L0032268 0 0.27330E-06 461403.6 3776482.8 446.3 3.70 1.67
2.89 YES
L0032269 0 0.27330E-06 461403.5 3776479.2 446.2 3.70 1.67
2.89 YES
L0032270 0 0.27330E-06 461403.5 3776475.6 446.2 3.70 1.67

2.89 YES
L0032271 0 0.27330E-06 461403.5 3776472.0 446.1 3.70 1.67
2.89 YES
L0032272 0 0.27330E-06 461403.5 3776468.4 446.1 3.70 1.67
2.89 YES
L0032273 0 0.27330E-06 461403.5 3776464.8 446.0 3.70 1.67
2.89 YES
L0032274 0 0.27330E-06 461403.4 3776461.2 446.0 3.70 1.67
2.89 YES
L0032275 0 0.27330E-06 461403.4 3776457.6 445.9 3.70 1.67
2.89 YES
L0032276 0 0.27330E-06 461403.4 3776454.0 445.9 3.70 1.67
2.89 YES
L0032277 0 0.27330E-06 461403.4 3776450.4 445.8 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032278	0	0.27330E-06	461403.4	3776446.8	445.8	3.70	1.67	2.89	YES	
L0032279	0	0.27330E-06	461403.4	3776443.2	445.7	3.70	1.67	2.89	YES	
L0032280	0	0.27330E-06	461403.3	3776439.6	445.7	3.70	1.67	2.89	YES	
L0032281	0	0.27330E-06	461403.3	3776436.0	445.6	3.70	1.67	2.89	YES	
L0032282	0	0.27330E-06	461403.3	3776432.4	445.5	3.70	1.67	2.89	YES	
L0032283	0	0.27330E-06	461403.3	3776428.8	445.5	3.70	1.67	2.89	YES	
L0032284	0	0.27330E-06	461403.3	3776425.2	445.4	3.70	1.67	2.89	YES	
L0032285	0	0.27330E-06	461403.3	3776421.6	445.4	3.70	1.67			

2.89 YES
L0032286 0 0.27330E-06 461403.3 3776418.0 445.3 3.70 1.67
2.89 YES
L0032287 0 0.27330E-06 461403.3 3776414.4 445.2 3.70 1.67
2.89 YES
L0032288 0 0.27330E-06 461403.3 3776410.8 445.1 3.70 1.67
2.89 YES
L0032289 0 0.27330E-06 461403.3 3776407.2 445.0 3.70 1.67
2.89 YES
L0032290 0 0.27330E-06 461403.3 3776403.6 444.9 3.70 1.67
2.89 YES
L0032291 0 0.27330E-06 461403.3 3776400.0 444.8 3.70 1.67
2.89 YES
L0032292 0 0.27330E-06 461403.3 3776396.4 444.7 3.70 1.67
2.89 YES
L0032293 0 0.27330E-06 461403.2 3776392.8 444.6 3.70 1.67
2.89 YES
L0032294 0 0.27330E-06 461403.2 3776389.2 444.5 3.70 1.67
2.89 YES
L0032295 0 0.27330E-06 461403.2 3776385.6 444.4 3.70 1.67
2.89 YES
L0032296 0 0.27330E-06 461403.2 3776382.0 444.3 3.70 1.67
2.89 YES
L0032297 0 0.27330E-06 461403.2 3776378.4 444.2 3.70 1.67
2.89 YES
L0032298 0 0.27330E-06 461403.2 3776374.8 444.2 3.70 1.67
2.89 YES
L0032299 0 0.27330E-06 461403.2 3776371.2 444.1 3.70 1.67
2.89 YES
L0032300 0 0.27330E-06 461403.2 3776367.6 444.0 3.70 1.67
2.89 YES
L0032301 0 0.27330E-06 461403.2 3776364.0 443.9 3.70 1.67
2.89 YES
L0032302 0 0.27330E-06 461403.2 3776360.4 443.9 3.70 1.67
2.89 YES
L0032303 0 0.27330E-06 461403.2 3776356.8 443.8 3.70 1.67
2.89 YES
L0032304 0 0.27330E-06 461403.2 3776353.2 443.7 3.70 1.67
2.89 YES
L0032305 0 0.27330E-06 461403.1 3776349.6 443.6 3.70 1.67
2.89 YES
L0032306 0 0.27330E-06 461403.1 3776346.0 443.6 3.70 1.67
2.89 YES
L0032307 0 0.27330E-06 461403.1 3776342.4 443.5 3.70 1.67
2.89 YES
L0032308 0 0.27330E-06 461403.1 3776338.8 443.4 3.70 1.67
2.89 YES
L0032309 0 0.27330E-06 461403.1 3776335.2 443.3 3.70 1.67
2.89 YES
L0032310 0 0.27330E-06 461403.1 3776331.6 443.2 3.70 1.67

2.89 YES
L0032311 0 0.27330E-06 461403.1 3776328.0 443.2 3.70 1.67
2.89 YES
L0032312 0 0.27330E-06 461403.1 3776324.4 443.1 3.70 1.67
2.89 YES
L0032313 0 0.27330E-06 461403.1 3776320.8 443.0 3.70 1.67
2.89 YES
L0032314 0 0.27330E-06 461403.1 3776317.2 442.9 3.70 1.67
2.89 YES
L0032315 0 0.27330E-06 461403.1 3776313.6 442.8 3.70 1.67
2.89 YES
L0032316 0 0.27330E-06 461403.1 3776310.0 442.8 3.70 1.67
2.89 YES
L0032317 0 0.27330E-06 461403.1 3776306.4 442.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032318	0	0.27330E-06	461403.0	3776302.8	442.6	3.70	1.67	2.89	YES	
L0032319	0	0.27330E-06	461403.0	3776299.2	442.5	3.70	1.67	2.89	YES	
L0032320	0	0.27330E-06	461403.0	3776295.6	442.4	3.70	1.67	2.89	YES	
L0032321	0	0.27330E-06	461403.0	3776292.0	442.3	3.70	1.67	2.89	YES	
L0032322	0	0.27330E-06	461403.0	3776288.4	442.2	3.70	1.67	2.89	YES	
L0032323	0	0.27330E-06	461403.0	3776284.8	442.1	3.70	1.67	2.89	YES	
L0032324	0	0.27330E-06	461403.0	3776281.2	442.0	3.70	1.67	2.89	YES	
L0032325	0	0.27330E-06	461403.0	3776277.6	441.9	3.70	1.67			

2.89 YES
L0032326 0 0.27330E-06 461403.0 3776274.0 441.9 3.70 1.67
2.89 YES
L0032327 0 0.27330E-06 461403.0 3776270.4 441.8 3.70 1.67
2.89 YES
L0032328 0 0.27330E-06 461403.0 3776266.8 441.7 3.70 1.67
2.89 YES
L0032329 0 0.27330E-06 461403.0 3776263.2 441.6 3.70 1.67
2.89 YES
L0032330 0 0.27330E-06 461402.9 3776259.6 441.5 3.70 1.67
2.89 YES
L0032331 0 0.27330E-06 461402.9 3776256.0 441.4 3.70 1.67
2.89 YES
L0032332 0 0.27330E-06 461402.9 3776252.4 441.3 3.70 1.67
2.89 YES
L0032333 0 0.27330E-06 461402.9 3776248.8 441.2 3.70 1.67
2.89 YES
L0032334 0 0.27330E-06 461402.9 3776245.2 441.1 3.70 1.67
2.89 YES
L0032335 0 0.27330E-06 461402.9 3776241.6 441.0 3.70 1.67
2.89 YES
L0032336 0 0.27330E-06 461402.9 3776238.0 440.9 3.70 1.67
2.89 YES
L0032337 0 0.27330E-06 461402.9 3776234.4 440.8 3.70 1.67
2.89 YES
L0032338 0 0.27330E-06 461402.9 3776230.8 440.7 3.70 1.67
2.89 YES
L0032339 0 0.27330E-06 461402.9 3776227.2 440.7 3.70 1.67
2.89 YES
L0032340 0 0.27330E-06 461402.9 3776223.6 440.6 3.70 1.67
2.89 YES
L0032341 0 0.27330E-06 461402.9 3776220.0 440.5 3.70 1.67
2.89 YES
L0032342 0 0.27330E-06 461402.9 3776216.4 440.4 3.70 1.67
2.89 YES
L0032343 0 0.27330E-06 461402.8 3776212.8 440.3 3.70 1.67
2.89 YES
L0032344 0 0.27330E-06 461402.8 3776209.2 440.2 3.70 1.67
2.89 YES
L0032345 0 0.27330E-06 461402.8 3776205.6 440.2 3.70 1.67
2.89 YES
L0032346 0 0.27330E-06 461402.8 3776202.0 440.1 3.70 1.67
2.89 YES
L0032347 0 0.27330E-06 461402.8 3776198.4 440.0 3.70 1.67
2.89 YES
L0032348 0 0.27330E-06 461402.8 3776194.8 439.9 3.70 1.67
2.89 YES
L0032349 0 0.27330E-06 461402.8 3776191.2 439.8 3.70 1.67
2.89 YES
L0032350 0 0.27330E-06 461402.8 3776187.6 439.7 3.70 1.67

2.89 YES
L0032351 0 0.27330E-06 461402.8 3776184.0 439.6 3.70 1.67
2.89 YES
L0032352 0 0.27330E-06 461402.8 3776180.4 439.5 3.70 1.67
2.89 YES
L0032353 0 0.27330E-06 461402.8 3776176.8 439.4 3.70 1.67
2.89 YES
L0032354 0 0.27330E-06 461402.8 3776173.2 439.4 3.70 1.67
2.89 YES
L0032355 0 0.27330E-06 461402.7 3776169.6 439.3 3.70 1.67
2.89 YES
L0032356 0 0.27330E-06 461402.7 3776166.0 439.2 3.70 1.67
2.89 YES
L0032357 0 0.27330E-06 461402.7 3776162.4 439.1 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032358	0	0.27330E-06	461402.7	3776158.8	439.1	3.70	1.67	2.89	YES	
L0032359	0	0.27330E-06	461402.7	3776155.2	439.0	3.70	1.67	2.89	YES	
L0032360	0	0.27330E-06	461402.7	3776151.6	438.9	3.70	1.67	2.89	YES	
L0032361	0	0.27330E-06	461402.7	3776148.0	438.8	3.70	1.67	2.89	YES	
L0032362	0	0.27330E-06	461402.7	3776144.4	438.8	3.70	1.67	2.89	YES	
L0032363	0	0.27330E-06	461402.7	3776140.8	438.7	3.70	1.67	2.89	YES	
L0032364	0	0.27330E-06	461402.7	3776137.2	438.6	3.70	1.67	2.89	YES	
L0032365	0	0.27330E-06	461402.7	3776133.6	438.6	3.70	1.67			

2.89 YES
L0032366 0 0.27330E-06 461402.7 3776130.0 438.5 3.70 1.67
2.89 YES
L0032367 0 0.27330E-06 461402.7 3776126.4 438.4 3.70 1.67
2.89 YES
L0032368 0 0.27330E-06 461402.6 3776122.8 438.4 3.70 1.67
2.89 YES
L0032369 0 0.27330E-06 461402.6 3776119.2 438.3 3.70 1.67
2.89 YES
L0032370 0 0.27330E-06 461402.6 3776115.6 438.2 3.70 1.67
2.89 YES
L0032371 0 0.27330E-06 461402.6 3776112.0 438.2 3.70 1.67
2.89 YES
L0032372 0 0.27330E-06 461402.6 3776108.4 438.1 3.70 1.67
2.89 YES
L0032373 0 0.27330E-06 461402.6 3776104.8 438.0 3.70 1.67
2.89 YES
L0032374 0 0.27330E-06 461402.6 3776101.2 437.9 3.70 1.67
2.89 YES
L0032375 0 0.27330E-06 461402.6 3776097.6 437.9 3.70 1.67
2.89 YES
L0032376 0 0.27330E-06 461402.6 3776094.0 437.8 3.70 1.67
2.89 YES
L0032377 0 0.27330E-06 461402.6 3776090.4 437.7 3.70 1.67
2.89 YES
L0032378 0 0.27330E-06 461402.6 3776086.8 437.7 3.70 1.67
2.89 YES
L0032379 0 0.27330E-06 461402.6 3776083.2 437.6 3.70 1.67
2.89 YES
L0032380 0 0.27330E-06 461402.5 3776079.6 437.5 3.70 1.67
2.89 YES
L0032381 0 0.27330E-06 461402.5 3776076.0 437.4 3.70 1.67
2.89 YES
L0032382 0 0.27330E-06 461402.5 3776072.4 437.4 3.70 1.67
2.89 YES
L0032383 0 0.27330E-06 461402.5 3776068.8 437.3 3.70 1.67
2.89 YES
L0032384 0 0.27330E-06 461402.5 3776065.2 437.2 3.70 1.67
2.89 YES
L0032385 0 0.27330E-06 461402.5 3776061.6 437.2 3.70 1.67
2.89 YES
L0032386 0 0.27330E-06 461402.5 3776058.0 437.1 3.70 1.67
2.89 YES
L0032387 0 0.27330E-06 461402.5 3776054.4 437.0 3.70 1.67
2.89 YES
L0032388 0 0.27330E-06 461402.5 3776050.8 437.0 3.70 1.67
2.89 YES
L0032389 0 0.27330E-06 461402.5 3776047.2 436.9 3.70 1.67
2.89 YES
L0032390 0 0.27330E-06 461402.5 3776043.6 436.9 3.70 1.67

2.89   YES
 L0032391   0   0.27330E-06 461402.5 3776040.0   436.8   3.70   1.67
2.89   YES
 L0032392   0   0.27330E-06 461402.5 3776036.4   436.8   3.70   1.67
2.89   YES
 L0032393   0   0.27330E-06 461402.4 3776032.8   436.8   3.70   1.67
2.89   YES
 L0032394   0   0.27330E-06 461402.4 3776029.2   436.7   3.70   1.67
2.89   YES
 L0032395   0   0.27330E-06 461402.4 3776025.6   436.7   3.70   1.67
2.89   YES
 L0032396   0   0.27330E-06 461402.4 3776022.0   436.6   3.70   1.67
2.89   YES
 L0032397   0   0.27330E-06 461402.4 3776018.4   436.6   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0032398   0   0.27330E-06 461402.4 3776014.8   436.5   3.70   1.67
2.89   YES
 L0032399   0   0.27330E-06 461402.4 3776011.2   436.4   3.70   1.67
2.89   YES
 L0032400   0   0.27330E-06 461402.4 3776007.6   436.4   3.70   1.67
2.89   YES
 L0032401   0   0.27330E-06 461402.4 3776004.0   436.3   3.70   1.67
2.89   YES
 L0032402   0   0.27330E-06 461402.4 3776000.4   436.2   3.70   1.67
2.89   YES
 L0032403   0   0.27330E-06 461402.4 3775996.8   436.2   3.70   1.67
2.89   YES
 L0032404   0   0.27330E-06 461402.4 3775993.2   436.1   3.70   1.67
2.89   YES
 L0032405   0   0.27330E-06 461402.4 3775989.6   436.0   3.70   1.67

2.89 YES
L0032406 0 0.27330E-06 461402.3 3775986.0 436.0 3.70 1.67
2.89 YES
L0032407 0 0.27330E-06 461402.3 3775982.4 435.9 3.70 1.67
2.89 YES
L0032408 0 0.27330E-06 461402.3 3775978.8 435.9 3.70 1.67
2.89 YES
L0032409 0 0.27330E-06 461402.3 3775975.2 435.8 3.70 1.67
2.89 YES
L0032410 0 0.27330E-06 461402.3 3775971.6 435.7 3.70 1.67
2.89 YES
L0032411 0 0.27330E-06 461402.3 3775968.0 435.7 3.70 1.67
2.89 YES
L0032412 0 0.27330E-06 461402.3 3775964.4 435.6 3.70 1.67
2.89 YES
L0032413 0 0.27330E-06 461402.3 3775960.8 435.5 3.70 1.67
2.89 YES
L0032414 0 0.27330E-06 461402.3 3775957.2 435.5 3.70 1.67
2.89 YES
L0032415 0 0.27330E-06 461402.3 3775953.6 435.4 3.70 1.67
2.89 YES
L0032416 0 0.27330E-06 461402.3 3775950.0 435.3 3.70 1.67
2.89 YES
L0032417 0 0.27330E-06 461402.3 3775946.4 435.3 3.70 1.67
2.89 YES
L0032418 0 0.27330E-06 461402.2 3775942.8 435.2 3.70 1.67
2.89 YES
L0032419 0 0.27330E-06 461402.2 3775939.2 435.1 3.70 1.67
2.89 YES
L0032420 0 0.27330E-06 461402.2 3775935.6 435.1 3.70 1.67
2.89 YES
L0032421 0 0.27330E-06 461402.2 3775932.0 435.0 3.70 1.67
2.89 YES
L0032422 0 0.27330E-06 461402.2 3775928.4 434.9 3.70 1.67
2.89 YES
L0032423 0 0.27330E-06 461402.2 3775924.8 434.9 3.70 1.67
2.89 YES
L0032424 0 0.27330E-06 461402.2 3775921.2 434.8 3.70 1.67
2.89 YES
L0032425 0 0.27330E-06 461402.2 3775917.6 434.7 3.70 1.67
2.89 YES
L0032426 0 0.27330E-06 461402.2 3775914.0 434.7 3.70 1.67
2.89 YES
L0032427 0 0.27330E-06 461402.2 3775910.4 434.6 3.70 1.67
2.89 YES
L0032428 0 0.27330E-06 461402.2 3775906.8 434.5 3.70 1.67
2.89 YES
L0032429 0 0.27330E-06 461402.2 3775903.2 434.4 3.70 1.67
2.89 YES
L0032430 0 0.27330E-06 461402.2 3775899.6 434.4 3.70 1.67

2.89 YES
L0032431 0 0.27330E-06 461402.1 3775896.0 434.3 3.70 1.67
2.89 YES
L0032432 0 0.27330E-06 461402.1 3775892.4 434.2 3.70 1.67
2.89 YES
L0032433 0 0.27330E-06 461402.1 3775888.8 434.2 3.70 1.67
2.89 YES
L0032434 0 0.27330E-06 461402.1 3775885.2 434.1 3.70 1.67
2.89 YES
L0032435 0 0.27330E-06 461402.1 3775881.6 434.1 3.70 1.67
2.89 YES
L0032436 0 0.27330E-06 461402.1 3775878.0 434.0 3.70 1.67
2.89 YES
L0032437 0 0.27330E-06 461402.1 3775874.4 433.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032438	0	0.27330E-06	461402.1	3775870.8	433.9	3.70	1.67	2.89	YES	
L0032439	0	0.27330E-06	461402.1	3775867.2	433.8	3.70	1.67	2.89	YES	
L0032440	0	0.27330E-06	461402.1	3775863.6	433.8	3.70	1.67	2.89	YES	
L0032441	0	0.27330E-06	461402.1	3775860.0	433.7	3.70	1.67	2.89	YES	
L0032442	0	0.27330E-06	461402.1	3775856.4	433.6	3.70	1.67	2.89	YES	
L0032443	0	0.27330E-06	461402.0	3775852.8	433.5	3.70	1.67	2.89	YES	
L0032444	0	0.27330E-06	461402.0	3775849.2	433.5	3.70	1.67	2.89	YES	
L0032445	0	0.27330E-06	461402.0	3775845.6	433.4	3.70	1.67			

2.89 YES
L0032446 0 0.27330E-06 461402.0 3775842.0 433.3 3.70 1.67
2.89 YES
L0032447 0 0.27330E-06 461402.0 3775838.4 433.2 3.70 1.67
2.89 YES
L0032448 0 0.27330E-06 461402.0 3775834.8 433.2 3.70 1.67
2.89 YES
L0032449 0 0.27330E-06 461402.0 3775831.2 433.1 3.70 1.67
2.89 YES
L0032450 0 0.27330E-06 461402.2 3775827.6 433.0 3.70 1.67
2.89 YES
L0032451 0 0.27330E-06 461402.4 3775824.0 432.9 3.70 1.67
2.89 YES
L0032452 0 0.27330E-06 461402.6 3775820.4 432.8 3.70 1.67
2.89 YES
L0032453 0 0.27330E-06 461402.8 3775816.8 432.7 3.70 1.67
2.89 YES
L0032454 0 0.27330E-06 461403.1 3775813.2 432.7 3.70 1.67
2.89 YES
L0032455 0 0.27330E-06 461403.3 3775809.6 432.6 3.70 1.67
2.89 YES
L0032456 0 0.27330E-06 461403.5 3775806.0 432.5 3.70 1.67
2.89 YES
L0032457 0 0.27330E-06 461403.8 3775802.4 432.4 3.70 1.67
2.89 YES
L0032458 0 0.27330E-06 461404.0 3775798.8 432.3 3.70 1.67
2.89 YES
L0032459 0 0.27330E-06 461404.2 3775795.2 432.2 3.70 1.67
2.89 YES
L0032460 0 0.27330E-06 461404.5 3775791.6 432.1 3.70 1.67
2.89 YES
L0032461 0 0.27330E-06 461404.7 3775788.0 432.0 3.70 1.67
2.89 YES
L0032462 0 0.27330E-06 461405.3 3775784.5 431.9 3.70 1.67
2.89 YES
L0032463 0 0.27330E-06 461405.9 3775780.9 431.8 3.70 1.67
2.89 YES
L0032464 0 0.27330E-06 461406.5 3775777.4 431.7 3.70 1.67
2.89 YES
L0032465 0 0.27330E-06 461407.2 3775773.9 431.6 3.70 1.67
2.89 YES
L0032466 0 0.27330E-06 461407.8 3775770.3 431.6 3.70 1.67
2.89 YES
L0032467 0 0.27330E-06 461408.4 3775766.8 431.5 3.70 1.67
2.89 YES
L0032468 0 0.27330E-06 461408.7 3775763.2 431.4 3.70 1.67
2.89 YES
L0032469 0 0.27330E-06 461409.0 3775759.6 431.3 3.70 1.67
2.89 YES
L0032470 0 0.27330E-06 461409.3 3775756.0 431.2 3.70 1.67

2.89   YES
 L0032471   0   0.27330E-06 461409.6 3775752.4   431.2   3.70   1.67
2.89   YES
 L0032472   0   0.27330E-06 461409.9 3775748.8   431.1   3.70   1.67
2.89   YES
 L0032473   0   0.27330E-06 461410.2 3775745.2   431.0   3.70   1.67
2.89   YES
 L0032474   0   0.27330E-06 461410.6 3775741.7   430.9   3.70   1.67
2.89   YES
 L0032475   0   0.27330E-06 461410.9 3775738.1   430.9   3.70   1.67
2.89   YES
 L0032476   0   0.27330E-06 461411.2 3775734.5   430.8   3.70   1.67
2.89   YES
 L0032477   0   0.27330E-06 461411.3 3775730.9   430.8   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0032478   0   0.27330E-06 461411.3 3775727.3   430.7   3.70   1.67
2.89   YES
 L0032479   0   0.27330E-06 461411.3 3775723.7   430.6   3.70   1.67
2.89   YES
 L0032480   0   0.27330E-06 461411.3 3775720.1   430.6   3.70   1.67
2.89   YES
 L0032481   0   0.27330E-06 461411.2 3775716.5   430.5   3.70   1.67
2.89   YES
 L0032482   0   0.27330E-06 461411.2 3775712.9   430.4   3.70   1.67
2.89   YES
 L0032483   0   0.27330E-06 461411.2 3775709.3   430.4   3.70   1.67
2.89   YES
 L0032484   0   0.27330E-06 461411.1 3775705.7   430.3   3.70   1.67
2.89   YES
 L0032485   0   0.27330E-06 461411.1 3775702.1   430.3   3.70   1.67

2.89 YES
L0032486 0 0.27330E-06 461411.1 3775698.5 430.2 3.70 1.67
2.89 YES
L0032487 0 0.27330E-06 461411.1 3775694.9 430.2 3.70 1.67
2.89 YES
L0032488 0 0.27330E-06 461411.0 3775691.3 430.2 3.70 1.67
2.89 YES
L0032489 0 0.27330E-06 461411.0 3775687.7 430.1 3.70 1.67
2.89 YES
L0032490 0 0.27330E-06 461411.0 3775684.1 430.1 3.70 1.67
2.89 YES
L0032491 0 0.27460E-06 461420.6 3777260.5 462.7 3.70 1.67
2.89 YES
L0032492 0 0.27460E-06 461420.6 3777256.9 462.7 3.70 1.67
2.89 YES
L0032493 0 0.27460E-06 461420.6 3777253.3 462.6 3.70 1.67
2.89 YES
L0032494 0 0.27460E-06 461420.6 3777249.7 462.6 3.70 1.67
2.89 YES
L0032495 0 0.27460E-06 461420.6 3777246.1 462.5 3.70 1.67
2.89 YES
L0032496 0 0.27460E-06 461420.6 3777242.5 462.4 3.70 1.67
2.89 YES
L0032497 0 0.27460E-06 461420.6 3777238.9 462.4 3.70 1.67
2.89 YES
L0032498 0 0.27460E-06 461420.6 3777235.3 462.3 3.70 1.67
2.89 YES
L0032499 0 0.27460E-06 461420.6 3777231.7 462.2 3.70 1.67
2.89 YES
L0032500 0 0.27460E-06 461420.6 3777228.1 462.1 3.70 1.67
2.89 YES
L0032501 0 0.27460E-06 461420.5 3777224.5 462.1 3.70 1.67
2.89 YES
L0032502 0 0.27460E-06 461420.5 3777220.9 462.0 3.70 1.67
2.89 YES
L0032503 0 0.27460E-06 461420.4 3777217.3 461.9 3.70 1.67
2.89 YES
L0032504 0 0.27460E-06 461420.4 3777213.7 461.8 3.70 1.67
2.89 YES
L0032505 0 0.27460E-06 461420.3 3777210.1 461.7 3.70 1.67
2.89 YES
L0032506 0 0.27460E-06 461420.3 3777206.5 461.7 3.70 1.67
2.89 YES
L0032507 0 0.27460E-06 461420.3 3777202.9 461.6 3.70 1.67
2.89 YES
L0032508 0 0.27460E-06 461420.2 3777199.3 461.5 3.70 1.67
2.89 YES
L0032509 0 0.27460E-06 461420.2 3777195.7 461.4 3.70 1.67
2.89 YES
L0032510 0 0.27460E-06 461420.1 3777192.1 461.3 3.70 1.67

2.89 YES
L0032511 0 0.27460E-06 461420.1 3777188.5 461.3 3.70 1.67
2.89 YES
L0032512 0 0.27460E-06 461420.0 3777184.9 461.2 3.70 1.67
2.89 YES
L0032513 0 0.27460E-06 461420.0 3777181.3 461.1 3.70 1.67
2.89 YES
L0032514 0 0.27460E-06 461419.9 3777177.7 461.0 3.70 1.67
2.89 YES
L0032515 0 0.27460E-06 461419.9 3777174.1 460.9 3.70 1.67
2.89 YES
L0032516 0 0.27460E-06 461419.8 3777170.5 460.9 3.70 1.67
2.89 YES
L0032517 0 0.27460E-06 461419.8 3777166.9 460.8 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032518	0	0.27460E-06	461419.8	3777163.3	460.7	3.70	1.67	2.89	YES	
L0032519	0	0.27460E-06	461419.7	3777159.7	460.6	3.70	1.67	2.89	YES	
L0032520	0	0.27460E-06	461419.7	3777156.1	460.5	3.70	1.67	2.89	YES	
L0032521	0	0.27460E-06	461419.6	3777152.5	460.4	3.70	1.67	2.89	YES	
L0032522	0	0.27460E-06	461419.6	3777148.9	460.4	3.70	1.67	2.89	YES	
L0032523	0	0.27460E-06	461419.5	3777145.3	460.3	3.70	1.67	2.89	YES	
L0032524	0	0.27460E-06	461419.5	3777141.7	460.2	3.70	1.67	2.89	YES	
L0032525	0	0.27460E-06	461419.4	3777138.1	460.1	3.70	1.67			

2.89 YES
L0032526 0 0.27460E-06 461419.4 3777134.5 460.0 3.70 1.67
2.89 YES
L0032527 0 0.27460E-06 461419.3 3777130.9 459.9 3.70 1.67
2.89 YES
L0032528 0 0.27460E-06 461419.3 3777127.3 459.9 3.70 1.67
2.89 YES
L0032529 0 0.27460E-06 461419.3 3777123.7 459.8 3.70 1.67
2.89 YES
L0032530 0 0.27460E-06 461419.2 3777120.1 459.7 3.70 1.67
2.89 YES
L0032531 0 0.27460E-06 461419.2 3777116.5 459.6 3.70 1.67
2.89 YES
L0032532 0 0.27460E-06 461419.1 3777112.9 459.6 3.70 1.67
2.89 YES
L0032533 0 0.27460E-06 461419.1 3777109.3 459.5 3.70 1.67
2.89 YES
L0032534 0 0.27460E-06 461419.0 3777105.7 459.4 3.70 1.67
2.89 YES
L0032535 0 0.27460E-06 461419.0 3777102.1 459.4 3.70 1.67
2.89 YES
L0032536 0 0.27460E-06 461418.9 3777098.5 459.3 3.70 1.67
2.89 YES
L0032537 0 0.27460E-06 461418.9 3777094.9 459.2 3.70 1.67
2.89 YES
L0032538 0 0.27460E-06 461418.9 3777091.3 459.1 3.70 1.67
2.89 YES
L0032539 0 0.27460E-06 461418.9 3777087.7 459.0 3.70 1.67
2.89 YES
L0032540 0 0.27460E-06 461419.0 3777084.1 458.9 3.70 1.67
2.89 YES
L0032541 0 0.27460E-06 461419.0 3777080.5 458.8 3.70 1.67
2.89 YES
L0032542 0 0.27460E-06 461419.1 3777076.9 458.7 3.70 1.67
2.89 YES
L0032543 0 0.27460E-06 461419.1 3777073.3 458.6 3.70 1.67
2.89 YES
L0032544 0 0.27460E-06 461419.2 3777069.7 458.5 3.70 1.67
2.89 YES
L0032545 0 0.27460E-06 461419.2 3777066.1 458.4 3.70 1.67
2.89 YES
L0032546 0 0.27460E-06 461419.3 3777062.5 458.3 3.70 1.67
2.89 YES
L0032547 0 0.27460E-06 461419.3 3777058.9 458.2 3.70 1.67
2.89 YES
L0032548 0 0.27460E-06 461419.4 3777055.3 458.1 3.70 1.67
2.89 YES
L0032549 0 0.27460E-06 461419.4 3777051.7 458.0 3.70 1.67
2.89 YES
L0032550 0 0.27460E-06 461419.4 3777048.1 457.9 3.70 1.67

2.89 YES
L0032551 0 0.27460E-06 461419.5 3777044.5 457.9 3.70 1.67
2.89 YES
L0032552 0 0.27460E-06 461419.5 3777040.9 457.8 3.70 1.67
2.89 YES
L0032553 0 0.27460E-06 461419.6 3777037.3 457.7 3.70 1.67
2.89 YES
L0032554 0 0.27460E-06 461419.7 3777033.7 457.6 3.70 1.67
2.89 YES
L0032555 0 0.27460E-06 461419.8 3777030.1 457.5 3.70 1.67
2.89 YES
L0032556 0 0.27460E-06 461419.9 3777026.5 457.4 3.70 1.67
2.89 YES
L0032557 0 0.27460E-06 461420.1 3777022.9 457.4 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032558	0	0.27460E-06	461420.2	3777019.3	457.3	3.70	1.67	2.89	YES	
L0032559	0	0.27460E-06	461420.3	3777015.7	457.2	3.70	1.67	2.89	YES	
L0032560	0	0.27460E-06	461420.4	3777012.1	457.2	3.70	1.67	2.89	YES	
L0032561	0	0.27460E-06	461420.5	3777008.5	457.1	3.70	1.67	2.89	YES	
L0032562	0	0.27460E-06	461420.6	3777004.9	457.0	3.70	1.67	2.89	YES	
L0032563	0	0.27460E-06	461420.7	3777001.3	456.9	3.70	1.67	2.89	YES	
L0032564	0	0.27460E-06	461420.8	3776997.7	456.9	3.70	1.67	2.89	YES	
L0032565	0	0.27460E-06	461420.8	3776994.1	456.8	3.70	1.67			

2.89 YES
L0032566 0 0.27460E-06 461420.7 3776990.5 456.7 3.70 1.67
2.89 YES
L0032567 0 0.27460E-06 461420.7 3776986.9 456.6 3.70 1.67
2.89 YES
L0032568 0 0.27460E-06 461420.7 3776983.3 456.6 3.70 1.67
2.89 YES
L0032569 0 0.27460E-06 461420.7 3776979.7 456.5 3.70 1.67
2.89 YES
L0032570 0 0.27460E-06 461420.7 3776976.1 456.4 3.70 1.67
2.89 YES
L0032571 0 0.27460E-06 461420.7 3776972.5 456.3 3.70 1.67
2.89 YES
L0032572 0 0.27460E-06 461420.7 3776968.9 456.3 3.70 1.67
2.89 YES
L0032573 0 0.27460E-06 461420.7 3776965.3 456.2 3.70 1.67
2.89 YES
L0032574 0 0.27460E-06 461420.7 3776961.7 456.1 3.70 1.67
2.89 YES
L0032575 0 0.27460E-06 461420.7 3776958.1 456.0 3.70 1.67
2.89 YES
L0032576 0 0.27460E-06 461420.7 3776954.5 455.9 3.70 1.67
2.89 YES
L0032577 0 0.27460E-06 461420.6 3776950.9 455.9 3.70 1.67
2.89 YES
L0032578 0 0.27460E-06 461420.6 3776947.3 455.8 3.70 1.67
2.89 YES
L0032579 0 0.27460E-06 461420.6 3776943.7 455.7 3.70 1.67
2.89 YES
L0032580 0 0.27460E-06 461420.6 3776940.1 455.7 3.70 1.67
2.89 YES
L0032581 0 0.27460E-06 461420.6 3776936.5 455.6 3.70 1.67
2.89 YES
L0032582 0 0.27460E-06 461420.6 3776932.9 455.5 3.70 1.67
2.89 YES
L0032583 0 0.27460E-06 461420.6 3776929.3 455.4 3.70 1.67
2.89 YES
L0032584 0 0.27460E-06 461420.6 3776925.7 455.4 3.70 1.67
2.89 YES
L0032585 0 0.27460E-06 461420.6 3776922.1 455.3 3.70 1.67
2.89 YES
L0032586 0 0.27460E-06 461420.6 3776918.5 455.2 3.70 1.67
2.89 YES
L0032587 0 0.27460E-06 461420.6 3776914.9 455.1 3.70 1.67
2.89 YES
L0032588 0 0.27460E-06 461420.6 3776911.3 455.1 3.70 1.67
2.89 YES
L0032589 0 0.27460E-06 461420.5 3776907.7 455.0 3.70 1.67
2.89 YES
L0032590 0 0.27460E-06 461420.5 3776904.1 454.9 3.70 1.67

2.89 YES
L0032591 0 0.27460E-06 461420.5 3776900.5 454.9 3.70 1.67
2.89 YES
L0032592 0 0.27460E-06 461420.5 3776896.9 454.8 3.70 1.67
2.89 YES
L0032593 0 0.27460E-06 461420.5 3776893.3 454.7 3.70 1.67
2.89 YES
L0032594 0 0.27460E-06 461420.5 3776889.7 454.7 3.70 1.67
2.89 YES
L0032595 0 0.27460E-06 461420.5 3776886.1 454.6 3.70 1.67
2.89 YES
L0032596 0 0.27460E-06 461420.5 3776882.5 454.5 3.70 1.67
2.89 YES
L0032597 0 0.27460E-06 461420.5 3776878.9 454.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032598	0	0.27460E-06	461420.5	3776875.3	454.4	3.70	1.67	2.89	YES	
L0032599	0	0.27460E-06	461420.5	3776871.7	454.3	3.70	1.67	2.89	YES	
L0032600	0	0.27460E-06	461420.5	3776868.1	454.3	3.70	1.67	2.89	YES	
L0032601	0	0.27460E-06	461420.4	3776864.5	454.2	3.70	1.67	2.89	YES	
L0032602	0	0.27460E-06	461420.4	3776860.9	454.1	3.70	1.67	2.89	YES	
L0032603	0	0.27460E-06	461420.4	3776857.3	454.1	3.70	1.67	2.89	YES	
L0032604	0	0.27460E-06	461420.4	3776853.7	454.0	3.70	1.67	2.89	YES	
L0032605	0	0.27460E-06	461420.4	3776850.1	453.9	3.70	1.67			

2.89 YES
L0032606 0 0.27460E-06 461420.4 3776846.5 453.9 3.70 1.67
2.89 YES
L0032607 0 0.27460E-06 461420.4 3776842.9 453.8 3.70 1.67
2.89 YES
L0032608 0 0.27460E-06 461420.4 3776839.3 453.8 3.70 1.67
2.89 YES
L0032609 0 0.27460E-06 461420.4 3776835.7 453.7 3.70 1.67
2.89 YES
L0032610 0 0.27460E-06 461420.4 3776832.1 453.6 3.70 1.67
2.89 YES
L0032611 0 0.27460E-06 461420.4 3776828.5 453.6 3.70 1.67
2.89 YES
L0032612 0 0.27460E-06 461420.4 3776824.9 453.5 3.70 1.67
2.89 YES
L0032613 0 0.27460E-06 461420.3 3776821.3 453.4 3.70 1.67
2.89 YES
L0032614 0 0.27460E-06 461420.3 3776817.7 453.4 3.70 1.67
2.89 YES
L0032615 0 0.27460E-06 461420.3 3776814.1 453.3 3.70 1.67
2.89 YES
L0032616 0 0.27460E-06 461420.3 3776810.5 453.2 3.70 1.67
2.89 YES
L0032617 0 0.27460E-06 461420.3 3776806.9 453.2 3.70 1.67
2.89 YES
L0032618 0 0.27460E-06 461420.3 3776803.3 453.1 3.70 1.67
2.89 YES
L0032619 0 0.27460E-06 461420.3 3776799.7 453.0 3.70 1.67
2.89 YES
L0032620 0 0.27460E-06 461420.3 3776796.1 453.0 3.70 1.67
2.89 YES
L0032621 0 0.27460E-06 461420.2 3776792.5 452.9 3.70 1.67
2.89 YES
L0032622 0 0.27460E-06 461420.2 3776788.9 452.8 3.70 1.67
2.89 YES
L0032623 0 0.27460E-06 461420.2 3776785.3 452.8 3.70 1.67
2.89 YES
L0032624 0 0.27460E-06 461420.2 3776781.7 452.7 3.70 1.67
2.89 YES
L0032625 0 0.27460E-06 461420.1 3776778.1 452.6 3.70 1.67
2.89 YES
L0032626 0 0.27460E-06 461420.1 3776774.5 452.6 3.70 1.67
2.89 YES
L0032627 0 0.27460E-06 461420.1 3776770.9 452.5 3.70 1.67
2.89 YES
L0032628 0 0.27460E-06 461420.0 3776767.3 452.4 3.70 1.67
2.89 YES
L0032629 0 0.27460E-06 461420.0 3776763.8 452.3 3.70 1.67
2.89 YES
L0032630 0 0.27460E-06 461420.0 3776760.1 452.3 3.70 1.67

2.89 YES
L0032631 0 0.27460E-06 461420.0 3776756.5 452.2 3.70 1.67
2.89 YES
L0032632 0 0.27460E-06 461419.9 3776752.9 452.1 3.70 1.67
2.89 YES
L0032633 0 0.27460E-06 461419.9 3776749.3 452.1 3.70 1.67
2.89 YES
L0032634 0 0.27460E-06 461419.9 3776745.8 452.0 3.70 1.67
2.89 YES
L0032635 0 0.27460E-06 461419.9 3776742.1 451.9 3.70 1.67
2.89 YES
L0032636 0 0.27460E-06 461419.8 3776738.6 451.9 3.70 1.67
2.89 YES
L0032637 0 0.27460E-06 461419.8 3776735.0 451.8 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032638	0	0.27460E-06	461419.8	3776731.4	451.7	3.70	1.67	2.89	YES	
L0032639	0	0.27460E-06	461419.7	3776727.8	451.7	3.70	1.67	2.89	YES	
L0032640	0	0.27460E-06	461419.7	3776724.2	451.6	3.70	1.67	2.89	YES	
L0032641	0	0.27460E-06	461419.7	3776720.6	451.5	3.70	1.67	2.89	YES	
L0032642	0	0.27460E-06	461419.7	3776717.0	451.4	3.70	1.67	2.89	YES	
L0032643	0	0.27460E-06	461419.6	3776713.4	451.3	3.70	1.67	2.89	YES	
L0032644	0	0.27460E-06	461419.6	3776709.8	451.2	3.70	1.67	2.89	YES	
L0032645	0	0.27460E-06	461419.6	3776706.2	451.1	3.70	1.67			

2.89 YES
L0032646 0 0.27460E-06 461419.5 3776702.6 451.1 3.70 1.67
2.89 YES
L0032647 0 0.27460E-06 461419.5 3776699.0 451.0 3.70 1.67
2.89 YES
L0032648 0 0.27460E-06 461419.5 3776695.4 450.9 3.70 1.67
2.89 YES
L0032649 0 0.27460E-06 461419.5 3776691.8 450.8 3.70 1.67
2.89 YES
L0032650 0 0.27460E-06 461419.4 3776688.2 450.6 3.70 1.67
2.89 YES
L0032651 0 0.27460E-06 461419.4 3776684.6 450.5 3.70 1.67
2.89 YES
L0032652 0 0.27460E-06 461419.4 3776681.0 450.4 3.70 1.67
2.89 YES
L0032653 0 0.27460E-06 461419.3 3776677.4 450.3 3.70 1.67
2.89 YES
L0032654 0 0.27460E-06 461419.3 3776673.8 450.2 3.70 1.67
2.89 YES
L0032655 0 0.27460E-06 461419.3 3776670.2 450.0 3.70 1.67
2.89 YES
L0032656 0 0.27460E-06 461419.3 3776666.6 449.9 3.70 1.67
2.89 YES
L0032657 0 0.27460E-06 461419.2 3776663.0 449.8 3.70 1.67
2.89 YES
L0032658 0 0.27460E-06 461419.2 3776659.4 449.7 3.70 1.67
2.89 YES
L0032659 0 0.27460E-06 461419.2 3776655.8 449.6 3.70 1.67
2.89 YES
L0032660 0 0.27460E-06 461419.1 3776652.2 449.5 3.70 1.67
2.89 YES
L0032661 0 0.27460E-06 461419.1 3776648.6 449.4 3.70 1.67
2.89 YES
L0032662 0 0.27460E-06 461419.1 3776645.0 449.4 3.70 1.67
2.89 YES
L0032663 0 0.27460E-06 461419.1 3776641.4 449.3 3.70 1.67
2.89 YES
L0032664 0 0.27460E-06 461419.0 3776637.8 449.2 3.70 1.67
2.89 YES
L0032665 0 0.27460E-06 461419.0 3776634.2 449.1 3.70 1.67
2.89 YES
L0032666 0 0.27460E-06 461419.0 3776630.6 449.0 3.70 1.67
2.89 YES
L0032667 0 0.27460E-06 461419.0 3776627.0 448.9 3.70 1.67
2.89 YES
L0032668 0 0.27460E-06 461418.9 3776623.4 448.9 3.70 1.67
2.89 YES
L0032669 0 0.27460E-06 461418.9 3776619.8 448.8 3.70 1.67
2.89 YES
L0032670 0 0.27460E-06 461418.9 3776616.2 448.7 3.70 1.67

2.89 YES
L0032671 0 0.27460E-06 461418.8 3776612.6 448.7 3.70 1.67
2.89 YES
L0032672 0 0.27460E-06 461418.8 3776609.0 448.6 3.70 1.67
2.89 YES
L0032673 0 0.27460E-06 461418.8 3776605.4 448.5 3.70 1.67
2.89 YES
L0032674 0 0.27460E-06 461418.8 3776601.8 448.5 3.70 1.67
2.89 YES
L0032675 0 0.27460E-06 461418.7 3776598.2 448.4 3.70 1.67
2.89 YES
L0032676 0 0.27460E-06 461418.7 3776594.6 448.4 3.70 1.67
2.89 YES
L0032677 0 0.27460E-06 461418.7 3776591.0 448.3 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032678	0	0.27460E-06	461418.6	3776587.4	448.2	3.70	1.67	2.89	YES	
L0032679	0	0.27460E-06	461418.6	3776583.8	448.2	3.70	1.67	2.89	YES	
L0032680	0	0.27460E-06	461418.6	3776580.2	448.1	3.70	1.67	2.89	YES	
L0032681	0	0.27460E-06	461418.6	3776576.6	448.1	3.70	1.67	2.89	YES	
L0032682	0	0.27460E-06	461418.5	3776573.0	448.0	3.70	1.67	2.89	YES	
L0032683	0	0.27460E-06	461418.5	3776569.4	447.9	3.70	1.67	2.89	YES	
L0032684	0	0.27460E-06	461418.5	3776565.8	447.9	3.70	1.67	2.89	YES	
L0032685	0	0.27460E-06	461418.4	3776562.2	447.8	3.70	1.67			

2.89 YES
L0032686 0 0.27460E-06 461418.4 3776558.6 447.7 3.70 1.67
2.89 YES
L0032687 0 0.27460E-06 461418.4 3776555.0 447.7 3.70 1.67
2.89 YES
L0032688 0 0.27460E-06 461418.4 3776551.4 447.6 3.70 1.67
2.89 YES
L0032689 0 0.27460E-06 461418.3 3776547.8 447.5 3.70 1.67
2.89 YES
L0032690 0 0.27460E-06 461418.3 3776544.2 447.4 3.70 1.67
2.89 YES
L0032691 0 0.27460E-06 461418.3 3776540.6 447.4 3.70 1.67
2.89 YES
L0032692 0 0.27460E-06 461418.2 3776537.0 447.3 3.70 1.67
2.89 YES
L0032693 0 0.27460E-06 461418.2 3776533.4 447.2 3.70 1.67
2.89 YES
L0032694 0 0.27460E-06 461418.2 3776529.8 447.2 3.70 1.67
2.89 YES
L0032695 0 0.27460E-06 461418.2 3776526.2 447.1 3.70 1.67
2.89 YES
L0032696 0 0.27460E-06 461418.1 3776522.6 447.0 3.70 1.67
2.89 YES
L0032697 0 0.27460E-06 461418.1 3776519.0 447.0 3.70 1.67
2.89 YES
L0032698 0 0.27460E-06 461418.1 3776515.4 446.9 3.70 1.67
2.89 YES
L0032699 0 0.27460E-06 461418.0 3776511.8 446.8 3.70 1.67
2.89 YES
L0032700 0 0.27460E-06 461418.0 3776508.2 446.8 3.70 1.67
2.89 YES
L0032701 0 0.27460E-06 461418.0 3776504.6 446.7 3.70 1.67
2.89 YES
L0032702 0 0.27460E-06 461418.0 3776501.0 446.6 3.70 1.67
2.89 YES
L0032703 0 0.27460E-06 461417.9 3776497.4 446.6 3.70 1.67
2.89 YES
L0032704 0 0.27460E-06 461417.9 3776493.8 446.5 3.70 1.67
2.89 YES
L0032705 0 0.27460E-06 461417.9 3776490.2 446.4 3.70 1.67
2.89 YES
L0032706 0 0.27460E-06 461417.8 3776486.6 446.3 3.70 1.67
2.89 YES
L0032707 0 0.27460E-06 461417.8 3776483.0 446.3 3.70 1.67
2.89 YES
L0032708 0 0.27460E-06 461417.8 3776479.4 446.2 3.70 1.67
2.89 YES
L0032709 0 0.27460E-06 461417.8 3776475.8 446.1 3.70 1.67
2.89 YES
L0032710 0 0.27460E-06 461417.7 3776472.2 446.0 3.70 1.67

2.89 YES
L0032711 0 0.27460E-06 461417.7 3776468.6 446.0 3.70 1.67
2.89 YES
L0032712 0 0.27460E-06 461417.7 3776465.0 445.9 3.70 1.67
2.89 YES
L0032713 0 0.27460E-06 461417.7 3776461.4 445.8 3.70 1.67
2.89 YES
L0032714 0 0.27460E-06 461417.6 3776457.8 445.7 3.70 1.67
2.89 YES
L0032715 0 0.27460E-06 461417.6 3776454.2 445.7 3.70 1.67
2.89 YES
L0032716 0 0.27460E-06 461417.6 3776450.6 445.6 3.70 1.67
2.89 YES
L0032717 0 0.27460E-06 461417.5 3776447.0 445.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032718	0	0.27460E-06	461417.5	3776443.4	445.4	3.70	1.67	2.89	YES	
L0032719	0	0.27460E-06	461417.5	3776439.8	445.3	3.70	1.67	2.89	YES	
L0032720	0	0.27460E-06	461417.5	3776436.2	445.3	3.70	1.67	2.89	YES	
L0032721	0	0.27460E-06	461417.4	3776432.6	445.2	3.70	1.67	2.89	YES	
L0032722	0	0.27460E-06	461417.4	3776429.0	445.1	3.70	1.67	2.89	YES	
L0032723	0	0.27460E-06	461417.4	3776425.4	445.0	3.70	1.67	2.89	YES	
L0032724	0	0.27460E-06	461417.3	3776421.8	444.9	3.70	1.67	2.89	YES	
L0032725	0	0.27460E-06	461417.3	3776418.2	444.9	3.70	1.67			

2.89 YES
L0032726 0 0.27460E-06 461417.3 3776414.6 444.8 3.70 1.67
2.89 YES
L0032727 0 0.27460E-06 461417.3 3776411.0 444.7 3.70 1.67
2.89 YES
L0032728 0 0.27460E-06 461417.2 3776407.4 444.7 3.70 1.67
2.89 YES
L0032729 0 0.27460E-06 461417.2 3776403.8 444.6 3.70 1.67
2.89 YES
L0032730 0 0.27460E-06 461417.2 3776400.2 444.5 3.70 1.67
2.89 YES
L0032731 0 0.27460E-06 461417.1 3776396.6 444.4 3.70 1.67
2.89 YES
L0032732 0 0.27460E-06 461417.1 3776393.0 444.4 3.70 1.67
2.89 YES
L0032733 0 0.27460E-06 461417.1 3776389.4 444.3 3.70 1.67
2.89 YES
L0032734 0 0.27460E-06 461417.1 3776385.8 444.2 3.70 1.67
2.89 YES
L0032735 0 0.27460E-06 461417.0 3776382.2 444.2 3.70 1.67
2.89 YES
L0032736 0 0.27460E-06 461417.0 3776378.6 444.1 3.70 1.67
2.89 YES
L0032737 0 0.27460E-06 461417.0 3776375.0 444.0 3.70 1.67
2.89 YES
L0032738 0 0.27460E-06 461416.9 3776371.4 444.0 3.70 1.67
2.89 YES
L0032739 0 0.27460E-06 461416.9 3776367.8 443.9 3.70 1.67
2.89 YES
L0032740 0 0.27460E-06 461416.9 3776364.2 443.8 3.70 1.67
2.89 YES
L0032741 0 0.27460E-06 461416.9 3776360.6 443.8 3.70 1.67
2.89 YES
L0032742 0 0.27460E-06 461416.8 3776357.0 443.7 3.70 1.67
2.89 YES
L0032743 0 0.27460E-06 461416.8 3776353.4 443.6 3.70 1.67
2.89 YES
L0032744 0 0.27460E-06 461416.8 3776349.8 443.5 3.70 1.67
2.89 YES
L0032745 0 0.27460E-06 461416.8 3776346.2 443.5 3.70 1.67
2.89 YES
L0032746 0 0.27460E-06 461416.7 3776342.6 443.4 3.70 1.67
2.89 YES
L0032747 0 0.27460E-06 461416.7 3776339.0 443.3 3.70 1.67
2.89 YES
L0032748 0 0.27460E-06 461416.7 3776335.4 443.2 3.70 1.67
2.89 YES
L0032749 0 0.27460E-06 461416.6 3776331.8 443.2 3.70 1.67
2.89 YES
L0032750 0 0.27460E-06 461416.6 3776328.2 443.1 3.70 1.67

2.89 YES
L0032751 0 0.27460E-06 461416.6 3776324.6 443.0 3.70 1.67
2.89 YES
L0032752 0 0.27460E-06 461416.6 3776321.0 442.9 3.70 1.67
2.89 YES
L0032753 0 0.27460E-06 461416.5 3776317.4 442.9 3.70 1.67
2.89 YES
L0032754 0 0.27460E-06 461416.5 3776313.8 442.8 3.70 1.67
2.89 YES
L0032755 0 0.27460E-06 461416.5 3776310.2 442.7 3.70 1.67
2.89 YES
L0032756 0 0.27460E-06 461416.4 3776306.6 442.6 3.70 1.67
2.89 YES
L0032757 0 0.27460E-06 461416.4 3776303.0 442.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032758	0	0.27460E-06	461416.4	3776299.4	442.4	3.70	1.67	2.89	YES	
L0032759	0	0.27460E-06	461416.4	3776295.8	442.4	3.70	1.67	2.89	YES	
L0032760	0	0.27460E-06	461416.3	3776292.2	442.3	3.70	1.67	2.89	YES	
L0032761	0	0.27460E-06	461416.3	3776288.6	442.2	3.70	1.67	2.89	YES	
L0032762	0	0.27460E-06	461416.3	3776285.0	442.1	3.70	1.67	2.89	YES	
L0032763	0	0.27460E-06	461416.2	3776281.4	442.0	3.70	1.67	2.89	YES	
L0032764	0	0.27460E-06	461416.2	3776277.8	441.9	3.70	1.67	2.89	YES	
L0032765	0	0.27460E-06	461416.2	3776274.2	441.8	3.70	1.67			

2.89 YES
L0032766 0 0.27460E-06 461416.2 3776270.6 441.7 3.70 1.67
2.89 YES
L0032767 0 0.27460E-06 461416.1 3776267.0 441.6 3.70 1.67
2.89 YES
L0032768 0 0.27460E-06 461416.1 3776263.4 441.5 3.70 1.67
2.89 YES
L0032769 0 0.27460E-06 461416.1 3776259.8 441.5 3.70 1.67
2.89 YES
L0032770 0 0.27460E-06 461416.0 3776256.2 441.4 3.70 1.67
2.89 YES
L0032771 0 0.27460E-06 461416.0 3776252.6 441.3 3.70 1.67
2.89 YES
L0032772 0 0.27460E-06 461416.0 3776249.0 441.2 3.70 1.67
2.89 YES
L0032773 0 0.27460E-06 461416.0 3776245.4 441.1 3.70 1.67
2.89 YES
L0032774 0 0.27460E-06 461415.9 3776241.8 441.1 3.70 1.67
2.89 YES
L0032775 0 0.27460E-06 461415.9 3776238.2 441.0 3.70 1.67
2.89 YES
L0032776 0 0.27460E-06 461415.9 3776234.6 440.9 3.70 1.67
2.89 YES
L0032777 0 0.27460E-06 461415.8 3776231.0 440.8 3.70 1.67
2.89 YES
L0032778 0 0.27460E-06 461415.8 3776227.4 440.7 3.70 1.67
2.89 YES
L0032779 0 0.27460E-06 461415.8 3776223.8 440.6 3.70 1.67
2.89 YES
L0032780 0 0.27460E-06 461415.8 3776220.2 440.6 3.70 1.67
2.89 YES
L0032781 0 0.27460E-06 461415.7 3776216.6 440.5 3.70 1.67
2.89 YES
L0032782 0 0.27460E-06 461415.7 3776213.0 440.4 3.70 1.67
2.89 YES
L0032783 0 0.27460E-06 461415.7 3776209.4 440.3 3.70 1.67
2.89 YES
L0032784 0 0.27460E-06 461415.7 3776205.8 440.2 3.70 1.67
2.89 YES
L0032785 0 0.27460E-06 461415.6 3776202.2 440.1 3.70 1.67
2.89 YES
L0032786 0 0.27460E-06 461415.6 3776198.6 440.0 3.70 1.67
2.89 YES
L0032787 0 0.27460E-06 461415.6 3776195.0 440.0 3.70 1.67
2.89 YES
L0032788 0 0.27460E-06 461415.5 3776191.4 439.9 3.70 1.67
2.89 YES
L0032789 0 0.27460E-06 461415.5 3776187.8 439.8 3.70 1.67
2.89 YES
L0032790 0 0.27460E-06 461415.5 3776184.2 439.7 3.70 1.67

```
2.89     YES
 L0032791         0   0.27460E-06  461415.5 3776180.6   439.6     3.70     1.67
2.89     YES
 L0032792         0   0.27460E-06  461415.4 3776177.0   439.5     3.70     1.67
2.89     YES
 L0032793         0   0.27460E-06  461415.4 3776173.4   439.4     3.70     1.67
2.89     YES
 L0032794         0   0.27460E-06  461415.4 3776169.8   439.4     3.70     1.67
2.89     YES
 L0032795         0   0.27460E-06  461415.3 3776166.2   439.3     3.70     1.67
2.89     YES
 L0032796         0   0.27460E-06  461415.3 3776162.6   439.2     3.70     1.67
2.89     YES
 L0032797         0   0.27460E-06  461415.3 3776159.0   439.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0032798         0   0.27460E-06  461415.3 3776155.4   439.1     3.70     1.67
2.89     YES
 L0032799         0   0.27460E-06  461415.2 3776151.8   439.0     3.70     1.67
2.89     YES
 L0032800         0   0.27460E-06  461415.2 3776148.2   438.9     3.70     1.67
2.89     YES
 L0032801         0   0.27460E-06  461415.2 3776144.6   438.8     3.70     1.67
2.89     YES
 L0032802         0   0.27460E-06  461415.1 3776141.0   438.7     3.70     1.67
2.89     YES
 L0032803         0   0.27460E-06  461415.1 3776137.4   438.7     3.70     1.67
2.89     YES
 L0032804         0   0.27460E-06  461415.1 3776133.8   438.6     3.70     1.67
2.89     YES
 L0032805         0   0.27460E-06  461415.1 3776130.2   438.5     3.70     1.67
```

2.89 YES
L0032806 0 0.27460E-06 461415.0 3776126.6 438.4 3.70 1.67
2.89 YES
L0032807 0 0.27460E-06 461415.0 3776123.0 438.4 3.70 1.67
2.89 YES
L0032808 0 0.27460E-06 461415.0 3776119.4 438.3 3.70 1.67
2.89 YES
L0032809 0 0.27460E-06 461414.9 3776115.8 438.2 3.70 1.67
2.89 YES
L0032810 0 0.27460E-06 461414.9 3776112.2 438.1 3.70 1.67
2.89 YES
L0032811 0 0.27460E-06 461414.9 3776108.6 438.1 3.70 1.67
2.89 YES
L0032812 0 0.27460E-06 461414.9 3776105.0 438.0 3.70 1.67
2.89 YES
L0032813 0 0.27460E-06 461414.8 3776101.4 437.9 3.70 1.67
2.89 YES
L0032814 0 0.27460E-06 461414.8 3776097.8 437.8 3.70 1.67
2.89 YES
L0032815 0 0.27460E-06 461414.8 3776094.2 437.8 3.70 1.67
2.89 YES
L0032816 0 0.27460E-06 461414.7 3776090.6 437.7 3.70 1.67
2.89 YES
L0032817 0 0.27460E-06 461414.7 3776087.0 437.6 3.70 1.67
2.89 YES
L0032818 0 0.27460E-06 461414.7 3776083.4 437.6 3.70 1.67
2.89 YES
L0032819 0 0.27460E-06 461414.7 3776079.8 437.5 3.70 1.67
2.89 YES
L0032820 0 0.27460E-06 461414.6 3776076.2 437.4 3.70 1.67
2.89 YES
L0032821 0 0.27460E-06 461414.6 3776072.6 437.3 3.70 1.67
2.89 YES
L0032822 0 0.27460E-06 461414.6 3776069.0 437.2 3.70 1.67
2.89 YES
L0032823 0 0.27460E-06 461414.6 3776065.4 437.1 3.70 1.67
2.89 YES
L0032824 0 0.27460E-06 461414.5 3776061.8 437.0 3.70 1.67
2.89 YES
L0032825 0 0.27460E-06 461414.5 3776058.2 436.9 3.70 1.67
2.89 YES
L0032826 0 0.27460E-06 461414.5 3776054.6 436.9 3.70 1.67
2.89 YES
L0032827 0 0.27460E-06 461414.4 3776051.0 436.8 3.70 1.67
2.89 YES
L0032828 0 0.27460E-06 461414.4 3776047.4 436.7 3.70 1.67
2.89 YES
L0032829 0 0.27460E-06 461414.4 3776043.8 436.6 3.70 1.67
2.89 YES
L0032830 0 0.27460E-06 461414.4 3776040.2 436.6 3.70 1.67

2.89 YES
L0032831 0 0.27460E-06 461414.3 3776036.6 436.5 3.70 1.67
2.89 YES
L0032832 0 0.27460E-06 461414.3 3776033.0 436.4 3.70 1.67
2.89 YES
L0032833 0 0.27460E-06 461414.3 3776029.4 436.4 3.70 1.67
2.89 YES
L0032834 0 0.27460E-06 461414.2 3776025.8 436.3 3.70 1.67
2.89 YES
L0032835 0 0.27460E-06 461414.2 3776022.2 436.2 3.70 1.67
2.89 YES
L0032836 0 0.27460E-06 461414.2 3776018.6 436.2 3.70 1.67
2.89 YES
L0032837 0 0.27460E-06 461414.2 3776015.0 436.1 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032838	0	0.27460E-06	461414.1	3776011.4	436.1	3.70	1.67	2.89	YES	
L0032839	0	0.27460E-06	461414.1	3776007.8	436.0	3.70	1.67	2.89	YES	
L0032840	0	0.27460E-06	461414.1	3776004.2	436.0	3.70	1.67	2.89	YES	
L0032841	0	0.27460E-06	461414.0	3776000.6	435.9	3.70	1.67	2.89	YES	
L0032842	0	0.27460E-06	461414.0	3775997.0	435.9	3.70	1.67	2.89	YES	
L0032843	0	0.27460E-06	461413.9	3775993.4	435.8	3.70	1.67	2.89	YES	
L0032844	0	0.27460E-06	461413.9	3775989.8	435.7	3.70	1.67	2.89	YES	
L0032845	0	0.27460E-06	461413.9	3775986.2	435.7	3.70	1.67			

2.89 YES
L0032846 0 0.27460E-06 461413.8 3775982.6 435.6 3.70 1.67
2.89 YES
L0032847 0 0.27460E-06 461413.8 3775979.0 435.6 3.70 1.67
2.89 YES
L0032848 0 0.27460E-06 461413.7 3775975.4 435.5 3.70 1.67
2.89 YES
L0032849 0 0.27460E-06 461413.7 3775971.8 435.5 3.70 1.67
2.89 YES
L0032850 0 0.27460E-06 461413.7 3775968.2 435.4 3.70 1.67
2.89 YES
L0032851 0 0.27460E-06 461413.6 3775964.6 435.4 3.70 1.67
2.89 YES
L0032852 0 0.27460E-06 461413.6 3775961.0 435.3 3.70 1.67
2.89 YES
L0032853 0 0.27460E-06 461413.6 3775957.4 435.2 3.70 1.67
2.89 YES
L0032854 0 0.27460E-06 461413.5 3775953.8 435.2 3.70 1.67
2.89 YES
L0032855 0 0.27460E-06 461413.5 3775950.2 435.1 3.70 1.67
2.89 YES
L0032856 0 0.27460E-06 461413.4 3775946.6 435.1 3.70 1.67
2.89 YES
L0032857 0 0.27460E-06 461413.4 3775943.0 435.0 3.70 1.67
2.89 YES
L0032858 0 0.27460E-06 461413.4 3775939.4 434.9 3.70 1.67
2.89 YES
L0032859 0 0.27460E-06 461413.3 3775935.8 434.9 3.70 1.67
2.89 YES
L0032860 0 0.27460E-06 461413.3 3775932.2 434.8 3.70 1.67
2.89 YES
L0032861 0 0.27460E-06 461413.2 3775928.6 434.8 3.70 1.67
2.89 YES
L0032862 0 0.27460E-06 461413.2 3775925.0 434.7 3.70 1.67
2.89 YES
L0032863 0 0.27460E-06 461413.2 3775921.4 434.6 3.70 1.67
2.89 YES
L0032864 0 0.27460E-06 461413.1 3775917.8 434.6 3.70 1.67
2.89 YES
L0032865 0 0.27460E-06 461413.1 3775914.2 434.5 3.70 1.67
2.89 YES
L0032866 0 0.27460E-06 461413.0 3775910.6 434.4 3.70 1.67
2.89 YES
L0032867 0 0.27460E-06 461413.0 3775907.0 434.4 3.70 1.67
2.89 YES
L0032868 0 0.27460E-06 461413.0 3775903.4 434.3 3.70 1.67
2.89 YES
L0032869 0 0.27460E-06 461412.9 3775899.8 434.3 3.70 1.67
2.89 YES
L0032870 0 0.27460E-06 461412.9 3775896.2 434.2 3.70 1.67

2.89 YES
L0032871 0 0.27460E-06 461412.9 3775892.6 434.2 3.70 1.67
2.89 YES
L0032872 0 0.27460E-06 461412.8 3775889.0 434.1 3.70 1.67
2.89 YES
L0032873 0 0.27460E-06 461412.8 3775885.4 434.0 3.70 1.67
2.89 YES
L0032874 0 0.27460E-06 461412.7 3775881.8 434.0 3.70 1.67
2.89 YES
L0032875 0 0.27460E-06 461412.7 3775878.2 433.9 3.70 1.67
2.89 YES
L0032876 0 0.27460E-06 461412.7 3775874.6 433.9 3.70 1.67
2.89 YES
L0032877 0 0.27460E-06 461412.6 3775871.0 433.8 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0032878	0	0.27460E-06	461412.6	3775867.4	433.8	3.70	1.67	2.89	YES	
L0032879	0	0.27460E-06	461412.5	3775863.8	433.7	3.70	1.67	2.89	YES	
L0032880	0	0.27460E-06	461412.5	3775860.2	433.6	3.70	1.67	2.89	YES	
L0032881	0	0.27460E-06	461412.5	3775856.6	433.6	3.70	1.67	2.89	YES	
L0032882	0	0.27460E-06	461412.4	3775853.0	433.5	3.70	1.67	2.89	YES	
L0032883	0	0.27460E-06	461412.4	3775849.4	433.4	3.70	1.67	2.89	YES	
L0032884	0	0.27460E-06	461412.3	3775845.8	433.4	3.70	1.67	2.89	YES	
L0032885	0	0.27460E-06	461412.3	3775842.2	433.3	3.70	1.67			

2.89 YES
L0032886 0 0.27460E-06 461412.3 3775838.6 433.2 3.70 1.67
2.89 YES
L0032887 0 0.27460E-06 461412.2 3775835.0 433.2 3.70 1.67
2.89 YES
L0032888 0 0.27460E-06 461412.2 3775831.4 433.1 3.70 1.67
2.89 YES
L0032889 0 0.27460E-06 461412.2 3775827.8 433.0 3.70 1.67
2.89 YES
L0032890 0 0.27460E-06 461412.3 3775824.2 432.9 3.70 1.67
2.89 YES
L0032891 0 0.27460E-06 461412.6 3775820.6 432.8 3.70 1.67
2.89 YES
L0032892 0 0.27460E-06 461413.0 3775817.0 432.7 3.70 1.67
2.89 YES
L0032893 0 0.27460E-06 461413.3 3775813.4 432.7 3.70 1.67
2.89 YES
L0032894 0 0.27460E-06 461413.7 3775809.9 432.6 3.70 1.67
2.89 YES
L0032895 0 0.27460E-06 461414.0 3775806.3 432.5 3.70 1.67
2.89 YES
L0032896 0 0.27460E-06 461414.3 3775802.7 432.4 3.70 1.67
2.89 YES
L0032897 0 0.27460E-06 461414.9 3775799.1 432.3 3.70 1.67
2.89 YES
L0032898 0 0.27460E-06 461415.6 3775795.6 432.2 3.70 1.67
2.89 YES
L0032899 0 0.27460E-06 461416.3 3775792.1 432.2 3.70 1.67
2.89 YES
L0032900 0 0.27460E-06 461417.0 3775788.5 432.1 3.70 1.67
2.89 YES
L0032901 0 0.27460E-06 461417.7 3775785.0 432.0 3.70 1.67
2.89 YES
L0032902 0 0.27460E-06 461418.4 3775781.5 431.9 3.70 1.67
2.89 YES
L0032903 0 0.27460E-06 461419.2 3775778.0 431.9 3.70 1.67
2.89 YES
L0032904 0 0.27460E-06 461419.9 3775774.4 431.8 3.70 1.67
2.89 YES
L0032905 0 0.27460E-06 461420.6 3775770.9 431.7 3.70 1.67
2.89 YES
L0032906 0 0.27460E-06 461421.0 3775767.3 431.7 3.70 1.67
2.89 YES
L0032907 0 0.27460E-06 461421.4 3775763.7 431.6 3.70 1.67
2.89 YES
L0032908 0 0.27460E-06 461421.8 3775760.2 431.6 3.70 1.67
2.89 YES
L0032909 0 0.27460E-06 461422.1 3775756.6 431.5 3.70 1.67
2.89 YES
L0032910 0 0.27460E-06 461422.5 3775753.0 431.4 3.70 1.67

2.89 YES
L0032911 0 0.27460E-06 461422.7 3775749.4 431.4 3.70 1.67
2.89 YES
L0032912 0 0.27460E-06 461422.7 3775745.8 431.3 3.70 1.67
2.89 YES
L0032913 0 0.27460E-06 461422.7 3775742.2 431.2 3.70 1.67
2.89 YES
L0032914 0 0.27460E-06 461422.7 3775738.6 431.2 3.70 1.67
2.89 YES
L0032915 0 0.27460E-06 461422.7 3775735.0 431.1 3.70 1.67
2.89 YES
L0032916 0 0.27460E-06 461422.7 3775731.4 431.0 3.70 1.67
2.89 YES
L0032917 0 0.27460E-06 461422.7 3775727.8 430.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032918	0	0.27460E-06	461422.7	3775724.2	430.8	3.70	1.67	2.89	YES	
L0032919	0	0.27460E-06	461422.7	3775720.6	430.8	3.70	1.67	2.89	YES	
L0032920	0	0.27460E-06	461422.7	3775717.0	430.7	3.70	1.67	2.89	YES	
L0032921	0	0.27460E-06	461422.7	3775713.4	430.6	3.70	1.67	2.89	YES	
L0032922	0	0.27460E-06	461422.7	3775709.8	430.5	3.70	1.67	2.89	YES	
L0032923	0	0.27460E-06	461422.7	3775706.2	430.4	3.70	1.67	2.89	YES	
L0032924	0	0.27460E-06	461422.7	3775702.6	430.4	3.70	1.67	2.89	YES	
L0032925	0	0.27460E-06	461422.7	3775699.0	430.3	3.70	1.67			

2.89 YES
L0032926 0 0.27460E-06 461422.7 3775695.4 430.3 3.70 1.67
2.89 YES
L0032927 0 0.27460E-06 461422.7 3775691.8 430.2 3.70 1.67
2.89 YES
L0032928 0 0.48370E-06 461412.7 3775682.2 430.0 3.70 1.67
2.89 YES
L0032929 0 0.48370E-06 461416.3 3775682.2 430.0 3.70 1.67
2.89 YES
L0032930 0 0.48370E-06 461419.9 3775682.2 430.0 3.70 1.67
2.89 YES
L0032931 0 0.48370E-06 461423.5 3775682.2 430.0 3.70 1.67
2.89 YES
L0032932 0 0.48370E-06 461427.1 3775682.2 430.0 3.70 1.67
2.89 YES
L0032933 0 0.48370E-06 461430.7 3775682.2 430.0 3.70 1.67
2.89 YES
L0032934 0 0.48370E-06 461434.3 3775682.2 430.0 3.70 1.67
2.89 YES
L0032935 0 0.48370E-06 461437.9 3775682.3 430.0 3.70 1.67
2.89 YES
L0032936 0 0.48370E-06 461441.5 3775682.3 430.0 3.70 1.67
2.89 YES
L0032937 0 0.48370E-06 461445.1 3775682.3 430.0 3.70 1.67
2.89 YES
L0032938 0 0.48370E-06 461448.7 3775682.3 430.0 3.70 1.67
2.89 YES
L0032939 0 0.48370E-06 461452.3 3775682.3 430.0 3.70 1.67
2.89 YES
L0032940 0 0.48370E-06 461455.9 3775682.3 430.0 3.70 1.67
2.89 YES
L0032941 0 0.48370E-06 461459.5 3775682.3 430.0 3.70 1.67
2.89 YES
L0032942 0 0.48370E-06 461463.1 3775682.3 429.9 3.70 1.67
2.89 YES
L0032943 0 0.48370E-06 461466.7 3775682.3 429.9 3.70 1.67
2.89 YES
L0032944 0 0.48370E-06 461470.3 3775682.3 429.9 3.70 1.67
2.89 YES
L0032945 0 0.48370E-06 461473.9 3775682.3 429.9 3.70 1.67
2.89 YES
L0032946 0 0.48370E-06 461477.5 3775682.3 429.9 3.70 1.67
2.89 YES
L0032947 0 0.48370E-06 461481.1 3775682.3 429.9 3.70 1.67
2.89 YES
L0032948 0 0.48370E-06 461484.7 3775682.3 429.9 3.70 1.67
2.89 YES
L0032949 0 0.48370E-06 461488.3 3775682.3 429.9 3.70 1.67
2.89 YES
L0032950 0 0.48370E-06 461491.9 3775682.3 429.9 3.70 1.67

2.89 YES
L0032951 0 0.48370E-06 461495.5 3775682.3 429.9 3.70 1.67
2.89 YES
L0032952 0 0.48370E-06 461499.1 3775682.3 429.9 3.70 1.67
2.89 YES
L0032953 0 0.48370E-06 461502.7 3775682.3 429.9 3.70 1.67
2.89 YES
L0032954 0 0.48370E-06 461506.3 3775682.3 429.9 3.70 1.67
2.89 YES
L0032955 0 0.48370E-06 461509.9 3775682.3 429.9 3.70 1.67
2.89 YES
L0032956 0 0.48370E-06 461513.5 3775682.3 429.9 3.70 1.67
2.89 YES
L0032957 0 0.48370E-06 461517.1 3775682.3 429.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032958	0	0.48370E-06	461520.7	3775682.3	429.9	3.70	1.67	2.89	YES	
L0032959	0	0.48370E-06	461524.3	3775682.3	429.9	3.70	1.67	2.89	YES	
L0032960	0	0.48370E-06	461527.9	3775682.3	429.9	3.70	1.67	2.89	YES	
L0032961	0	0.48370E-06	461531.5	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032962	0	0.48370E-06	461535.1	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032963	0	0.48370E-06	461538.7	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032964	0	0.48370E-06	461542.3	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032965	0	0.48370E-06	461545.9	3775682.3	429.8	3.70	1.67			

2.89 YES
L0032966 0 0.48370E-06 461549.5 3775682.3 429.8 3.70 1.67
2.89 YES
L0032967 0 0.48370E-06 461553.1 3775682.4 429.8 3.70 1.67
2.89 YES
L0032968 0 0.48370E-06 461556.7 3775682.4 429.8 3.70 1.67
2.89 YES
L0032969 0 0.48370E-06 461560.3 3775682.4 429.8 3.70 1.67
2.89 YES
L0032970 0 0.48370E-06 461563.9 3775682.4 429.7 3.70 1.67
2.89 YES
L0032971 0 0.48370E-06 461567.5 3775682.4 429.7 3.70 1.67
2.89 YES
L0032972 0 0.48370E-06 461571.1 3775682.4 429.7 3.70 1.67
2.89 YES
L0032973 0 0.48370E-06 461574.7 3775682.4 429.7 3.70 1.67
2.89 YES
L0032974 0 0.48370E-06 461578.3 3775682.4 429.7 3.70 1.67
2.89 YES
L0032975 0 0.48370E-06 461581.9 3775682.4 429.7 3.70 1.67
2.89 YES
L0032976 0 0.48370E-06 461585.5 3775682.4 429.7 3.70 1.67
2.89 YES
L0032977 0 0.48370E-06 461589.1 3775682.4 429.7 3.70 1.67
2.89 YES
L0032978 0 0.48370E-06 461592.7 3775682.3 429.7 3.70 1.67
2.89 YES
L0032979 0 0.48370E-06 461596.3 3775682.3 429.7 3.70 1.67
2.89 YES
L0032980 0 0.48370E-06 461599.9 3775682.3 429.7 3.70 1.67
2.89 YES
L0032981 0 0.48370E-06 461603.5 3775682.3 429.7 3.70 1.67
2.89 YES
L0032982 0 0.48370E-06 461607.1 3775682.2 429.7 3.70 1.67
2.89 YES
L0032983 0 0.48370E-06 461610.7 3775682.2 429.7 3.70 1.67
2.89 YES
L0032984 0 0.48370E-06 461614.3 3775682.2 429.7 3.70 1.67
2.89 YES
L0032985 0 0.48370E-06 461617.9 3775682.1 429.7 3.70 1.67
2.89 YES
L0032986 0 0.48370E-06 461621.5 3775682.1 429.7 3.70 1.67
2.89 YES
L0032987 0 0.48370E-06 461625.1 3775682.1 429.7 3.70 1.67
2.89 YES
L0032988 0 0.48370E-06 461628.7 3775682.0 429.7 3.70 1.67
2.89 YES
L0032989 0 0.48370E-06 461632.3 3775682.0 429.7 3.70 1.67
2.89 YES
L0032990 0 0.48370E-06 461635.9 3775682.0 429.7 3.70 1.67

2.89 YES
L0032991 0 0.48370E-06 461639.5 3775681.9 429.7 3.70 1.67
2.89 YES
L0032992 0 0.48370E-06 461643.1 3775681.9 429.7 3.70 1.67
2.89 YES
L0032993 0 0.48370E-06 461646.7 3775681.9 429.7 3.70 1.67
2.89 YES
L0032994 0 0.48370E-06 461650.3 3775681.8 429.7 3.70 1.67
2.89 YES
L0032995 0 0.48370E-06 461653.9 3775681.8 429.6 3.70 1.67
2.89 YES
L0032996 0 0.48370E-06 461657.5 3775681.8 429.6 3.70 1.67
2.89 YES
L0032997 0 0.48370E-06 461661.1 3775681.7 429.6 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032998	0	0.48370E-06	461664.7	3775681.7	429.6	3.70	1.67	2.89	YES	
L0032999	0	0.48370E-06	461668.3	3775681.7	429.6	3.70	1.67	2.89	YES	
L0033000	0	0.48370E-06	461671.9	3775681.6	429.6	3.70	1.67	2.89	YES	
L0033001	0	0.48370E-06	461675.5	3775681.6	429.6	3.70	1.67	2.89	YES	
L0033002	0	0.48370E-06	461679.1	3775681.6	429.5	3.70	1.67	2.89	YES	
L0033003	0	0.48370E-06	461682.7	3775681.5	429.5	3.70	1.67	2.89	YES	
L0033004	0	0.48370E-06	461686.3	3775681.5	429.5	3.70	1.67	2.89	YES	
L0033005	0	0.48370E-06	461689.9	3775681.5	429.5	3.70	1.67			

2.89 YES
L0033006 0 0.48370E-06 461693.5 3775681.4 429.5 3.70 1.67
2.89 YES
L0033007 0 0.48370E-06 461697.1 3775681.4 429.4 3.70 1.67
2.89 YES
L0033008 0 0.48370E-06 461700.7 3775681.4 429.4 3.70 1.67
2.89 YES
L0033009 0 0.48370E-06 461704.3 3775681.3 429.4 3.70 1.67
2.89 YES
L0033010 0 0.48370E-06 461707.9 3775681.3 429.4 3.70 1.67
2.89 YES
L0033011 0 0.48370E-06 461711.5 3775681.3 429.4 3.70 1.67
2.89 YES
L0033012 0 0.48370E-06 461715.1 3775681.2 429.4 3.70 1.67
2.89 YES
L0033013 0 0.48370E-06 461718.7 3775681.2 429.4 3.70 1.67
2.89 YES
L0033014 0 0.48370E-06 461722.3 3775681.2 429.4 3.70 1.67
2.89 YES
L0033015 0 0.48370E-06 461725.9 3775681.2 429.4 3.70 1.67
2.89 YES
L0033016 0 0.48370E-06 461729.5 3775681.1 429.4 3.70 1.67
2.89 YES
L0033017 0 0.48370E-06 461733.1 3775681.1 429.4 3.70 1.67
2.89 YES
L0033018 0 0.48370E-06 461736.7 3775681.1 429.4 3.70 1.67
2.89 YES
L0033019 0 0.48370E-06 461740.3 3775681.0 429.3 3.70 1.67
2.89 YES
L0033020 0 0.48370E-06 461743.9 3775681.0 429.3 3.70 1.67
2.89 YES
L0033021 0 0.48370E-06 461747.5 3775681.0 429.3 3.70 1.67
2.89 YES
L0033022 0 0.48370E-06 461751.1 3775680.9 429.3 3.70 1.67
2.89 YES
L0033023 0 0.48370E-06 461754.7 3775680.9 429.3 3.70 1.67
2.89 YES
L0033024 0 0.48370E-06 461758.3 3775680.9 429.3 3.70 1.67
2.89 YES
L0033025 0 0.48370E-06 461761.9 3775680.8 429.3 3.70 1.67
2.89 YES
L0033026 0 0.48370E-06 461765.5 3775680.8 429.3 3.70 1.67
2.89 YES
L0033027 0 0.48370E-06 461769.1 3775680.8 429.3 3.70 1.67
2.89 YES
L0033028 0 0.48370E-06 461772.7 3775680.7 429.3 3.70 1.67
2.89 YES
L0033029 0 0.48370E-06 461776.3 3775680.7 429.3 3.70 1.67
2.89 YES
L0033030 0 0.48370E-06 461779.9 3775680.7 429.2 3.70 1.67

2.89 YES
L0033031 0 0.48370E-06 461783.5 3775680.6 429.2 3.70 1.67
2.89 YES
L0033032 0 0.48370E-06 461787.1 3775680.6 429.2 3.70 1.67
2.89 YES
L0033033 0 0.48370E-06 461790.7 3775680.6 429.2 3.70 1.67
2.89 YES
L0033034 0 0.48370E-06 461794.3 3775680.5 429.2 3.70 1.67
2.89 YES
L0033035 0 0.48370E-06 461797.9 3775680.5 429.2 3.70 1.67
2.89 YES
L0033036 0 0.48370E-06 461801.5 3775680.5 429.2 3.70 1.67
2.89 YES
L0033037 0 0.48370E-06 461805.1 3775680.4 429.2 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033038	0	0.48370E-06	461808.7	3775680.4	429.2	3.70	1.67	2.89	YES	
L0033039	0	0.48370E-06	461812.3	3775680.4	429.2	3.70	1.67	2.89	YES	
L0033040	0	0.48370E-06	461815.9	3775680.3	429.2	3.70	1.67	2.89	YES	
L0033041	0	0.48370E-06	461819.5	3775680.3	429.1	3.70	1.67	2.89	YES	
L0033042	0	0.48370E-06	461823.1	3775680.3	429.2	3.70	1.67	2.89	YES	
L0033043	0	0.48370E-06	461826.7	3775680.2	429.2	3.70	1.67	2.89	YES	
L0033044	0	0.48370E-06	461830.3	3775680.2	429.2	3.70	1.67	2.89	YES	
L0033045	0	0.48370E-06	461833.9	3775680.2	429.2	3.70	1.67			

2.89 YES
L0033046 0 0.48370E-06 461837.5 3775680.2 429.2 3.70 1.67
2.89 YES
L0033047 0 0.48370E-06 461841.1 3775680.1 429.2 3.70 1.67
2.89 YES
L0033048 0 0.48370E-06 461844.7 3775680.1 429.2 3.70 1.67
2.89 YES
L0033049 0 0.48370E-06 461848.3 3775680.1 429.2 3.70 1.67
2.89 YES
L0033050 0 0.48370E-06 461851.9 3775680.0 429.2 3.70 1.67
2.89 YES
L0033051 0 0.48370E-06 461855.5 3775680.0 429.2 3.70 1.67
2.89 YES
L0033052 0 0.48370E-06 461859.1 3775680.0 429.2 3.70 1.67
2.89 YES
L0033053 0 0.48370E-06 461862.7 3775679.9 429.2 3.70 1.67
2.89 YES
L0033054 0 0.48370E-06 461866.3 3775679.9 429.2 3.70 1.67
2.89 YES
L0033055 0 0.48370E-06 461869.9 3775679.9 429.2 3.70 1.67
2.89 YES
L0033056 0 0.48370E-06 461873.5 3775679.8 429.2 3.70 1.67
2.89 YES
L0033057 0 0.48370E-06 461877.1 3775679.8 429.2 3.70 1.67
2.89 YES
L0033058 0 0.48370E-06 461880.7 3775679.8 429.2 3.70 1.67
2.89 YES
L0033059 0 0.48370E-06 461884.3 3775679.7 429.2 3.70 1.67
2.89 YES
L0033060 0 0.48370E-06 461887.9 3775679.7 429.1 3.70 1.67
2.89 YES
L0033061 0 0.48370E-06 461891.5 3775679.7 429.1 3.70 1.67
2.89 YES
L0033062 0 0.48370E-06 461895.1 3775679.6 429.1 3.70 1.67
2.89 YES
L0033063 0 0.48370E-06 461898.7 3775679.6 429.1 3.70 1.67
2.89 YES
L0033064 0 0.48370E-06 461902.3 3775679.6 429.1 3.70 1.67
2.89 YES
L0033065 0 0.48370E-06 461905.9 3775679.5 429.1 3.70 1.67
2.89 YES
L0033066 0 0.48370E-06 461909.5 3775679.5 429.1 3.70 1.67
2.89 YES
L0033067 0 0.48370E-06 461913.1 3775679.5 429.1 3.70 1.67
2.89 YES
L0033068 0 0.48370E-06 461916.7 3775679.4 429.0 3.70 1.67
2.89 YES
L0033069 0 0.48370E-06 461920.3 3775679.3 429.0 3.70 1.67
2.89 YES
L0033070 0 0.48370E-06 461923.9 3775679.2 429.0 3.70 1.67

2.89 YES
L0033071 0 0.48370E-06 461927.5 3775679.1 429.0 3.70 1.67
2.89 YES
L0033072 0 0.48370E-06 461931.1 3775679.1 429.0 3.70 1.67
2.89 YES
L0033073 0 0.48370E-06 461934.7 3775679.0 428.9 3.70 1.67
2.89 YES
L0033074 0 0.48370E-06 461938.3 3775678.9 428.9 3.70 1.67
2.89 YES
L0033075 0 0.48370E-06 461941.9 3775678.8 428.9 3.70 1.67
2.89 YES
L0033076 0 0.48370E-06 461945.5 3775678.7 428.9 3.70 1.67
2.89 YES
L0033077 0 0.48370E-06 461949.1 3775678.7 428.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033078	0	0.48370E-06	461952.7	3775678.6	428.8	3.70	1.67	2.89	YES	
L0033079	0	0.48370E-06	461956.3	3775678.5	428.8	3.70	1.67	2.89	YES	
L0033080	0	0.48370E-06	461959.8	3775678.4	428.7	3.70	1.67	2.89	YES	
L0033081	0	0.48370E-06	461963.4	3775678.3	428.7	3.70	1.67	2.89	YES	
L0033082	0	0.48370E-06	461967.0	3775678.3	428.7	3.70	1.67	2.89	YES	
L0033083	0	0.48370E-06	461970.6	3775678.2	428.6	3.70	1.67	2.89	YES	
L0033084	0	0.48370E-06	461974.2	3775678.1	428.6	3.70	1.67	2.89	YES	
L0033085	0	0.48370E-06	461977.8	3775678.0	428.6	3.70	1.67			

2.89 YES
L0033086 0 0.48370E-06 461981.4 3775677.9 428.5 3.70 1.67
2.89 YES
L0033087 0 0.48370E-06 461985.0 3775677.9 428.5 3.70 1.67
2.89 YES
L0033088 0 0.48370E-06 461988.6 3775677.8 428.5 3.70 1.67
2.89 YES
L0033089 0 0.48370E-06 461992.2 3775677.7 428.4 3.70 1.67
2.89 YES
L0033090 0 0.48370E-06 461995.8 3775677.7 428.4 3.70 1.67
2.89 YES
L0033091 0 0.48370E-06 461999.4 3775677.7 428.4 3.70 1.67
2.89 YES
L0033092 0 0.48370E-06 462003.0 3775677.7 428.4 3.70 1.67
2.89 YES
L0033093 0 0.48370E-06 462006.6 3775677.7 428.4 3.70 1.67
2.89 YES
L0033094 0 0.48370E-06 462010.2 3775677.7 428.4 3.70 1.67
2.89 YES
L0033095 0 0.48370E-06 462013.8 3775677.6 428.4 3.70 1.67
2.89 YES
L0033096 0 0.48370E-06 462017.4 3775677.6 428.3 3.70 1.67
2.89 YES
L0033097 0 0.48370E-06 462021.0 3775677.6 428.3 3.70 1.67
2.89 YES
L0033098 0 0.48370E-06 462024.6 3775677.6 428.3 3.70 1.67
2.89 YES
L0033099 0 0.48370E-06 462028.2 3775677.6 428.3 3.70 1.67
2.89 YES
L0033100 0 0.48370E-06 462031.8 3775677.6 428.3 3.70 1.67
2.89 YES
L0033101 0 0.48370E-06 462035.4 3775677.6 428.3 3.70 1.67
2.89 YES
L0033102 0 0.48370E-06 462039.0 3775677.6 428.3 3.70 1.67
2.89 YES
L0033103 0 0.48370E-06 462042.6 3775677.5 428.3 3.70 1.67
2.89 YES
L0033104 0 0.48370E-06 462046.2 3775677.5 428.3 3.70 1.67
2.89 YES
L0033105 0 0.48370E-06 462049.8 3775677.5 428.3 3.70 1.67
2.89 YES
L0033106 0 0.48370E-06 462053.4 3775677.5 428.3 3.70 1.67
2.89 YES
L0033107 0 0.48370E-06 462057.0 3775677.5 428.3 3.70 1.67
2.89 YES
L0033108 0 0.48370E-06 462060.6 3775677.5 428.2 3.70 1.67
2.89 YES
L0033109 0 0.48370E-06 462064.2 3775677.5 428.2 3.70 1.67
2.89 YES
L0033110 0 0.48370E-06 462067.8 3775677.5 428.2 3.70 1.67

2.89   YES
 L0033111   0   0.48370E-06 462071.4 3775677.4   428.2   3.70   1.67
2.89   YES
 L0033112   0   0.48370E-06 462075.0 3775677.4   428.2   3.70   1.67
2.89   YES
 L0033113   0   0.48370E-06 462078.6 3775677.4   428.2   3.70   1.67
2.89   YES
 L0033114   0   0.48370E-06 462082.2 3775677.4   428.2   3.70   1.67
2.89   YES
 L0033115   0   0.48370E-06 462085.8 3775677.4   428.2   3.70   1.67
2.89   YES
 L0033116   0   0.48370E-06 462089.4 3775677.4   428.2   3.70   1.67
2.89   YES
 L0033117   0   0.48370E-06 462093.0 3775677.4   428.2   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0033118   0   0.48370E-06 462096.6 3775677.3   428.2   3.70   1.67
2.89   YES
 L0033119   0   0.48370E-06 462100.2 3775677.3   428.1   3.70   1.67
2.89   YES
 L0033120   0   0.48370E-06 462103.8 3775677.3   428.1   3.70   1.67
2.89   YES
 L0033121   0   0.48370E-06 462107.4 3775677.3   428.1   3.70   1.67
2.89   YES
 L0033122   0   0.48370E-06 462111.0 3775677.3   428.1   3.70   1.67
2.89   YES
 L0033123   0   0.48370E-06 462114.6 3775677.3   428.1   3.70   1.67
2.89   YES
 L0033124   0   0.48370E-06 462118.2 3775677.3   428.1   3.70   1.67
2.89   YES
 L0033125   0   0.48370E-06 462121.8 3775677.3   428.1   3.70   1.67

2.89 YES
L0033126 0 0.48370E-06 462125.4 3775677.2 428.1 3.70 1.67
2.89 YES
L0033127 0 0.48370E-06 462129.0 3775677.2 428.0 3.70 1.67
2.89 YES
L0033128 0 0.48370E-06 462132.6 3775677.2 428.0 3.70 1.67
2.89 YES
L0033129 0 0.48370E-06 462136.2 3775677.2 428.0 3.70 1.67
2.89 YES
L0033130 0 0.48370E-06 462139.8 3775677.2 428.0 3.70 1.67
2.89 YES
L0033131 0 0.48370E-06 462143.4 3775677.2 428.0 3.70 1.67
2.89 YES
L0033132 0 0.48370E-06 462147.0 3775677.2 428.0 3.70 1.67
2.89 YES
L0033133 0 0.48370E-06 462150.6 3775677.2 427.9 3.70 1.67
2.89 YES
L0033134 0 0.48370E-06 462154.2 3775677.1 427.9 3.70 1.67
2.89 YES
L0033135 0 0.48370E-06 462157.8 3775677.1 427.9 3.70 1.67
2.89 YES
L0033136 0 0.48370E-06 462161.4 3775677.1 427.9 3.70 1.67
2.89 YES
L0033137 0 0.48370E-06 462165.0 3775677.1 427.9 3.70 1.67
2.89 YES
L0033138 0 0.48370E-06 462168.6 3775677.1 427.9 3.70 1.67
2.89 YES
L0033139 0 0.48370E-06 462172.2 3775677.1 427.9 3.70 1.67
2.89 YES
L0033140 0 0.48370E-06 462175.8 3775677.1 427.9 3.70 1.67
2.89 YES
L0033141 0 0.48370E-06 462179.4 3775677.1 427.9 3.70 1.67
2.89 YES
L0033142 0 0.48370E-06 462183.0 3775677.0 427.9 3.70 1.67
2.89 YES
L0033143 0 0.48370E-06 462186.6 3775677.0 427.8 3.70 1.67
2.89 YES
L0033144 0 0.48370E-06 462190.2 3775677.0 427.8 3.70 1.67
2.89 YES
L0033145 0 0.48370E-06 462193.8 3775677.0 427.7 3.70 1.67
2.89 YES
L0033146 0 0.48370E-06 462197.4 3775677.0 427.7 3.70 1.67
2.89 YES
L0033147 0 0.48370E-06 462201.0 3775677.0 427.7 3.70 1.67
2.89 YES
L0033148 0 0.48370E-06 462204.6 3775677.0 427.6 3.70 1.67
2.89 YES
L0033149 0 0.48370E-06 462208.2 3775676.9 427.6 3.70 1.67
2.89 YES
L0033150 0 0.48370E-06 462211.8 3775676.9 427.6 3.70 1.67

2.89 YES
L0033151 0 0.48370E-06 462215.4 3775676.9 427.5 3.70 1.67
2.89 YES
L0033152 0 0.48370E-06 462219.0 3775676.8 427.5 3.70 1.67
2.89 YES
L0033153 0 0.48370E-06 462222.6 3775676.8 427.5 3.70 1.67
2.89 YES
L0033154 0 0.48370E-06 462226.2 3775676.8 427.5 3.70 1.67
2.89 YES
L0033155 0 0.48370E-06 462229.8 3775676.7 427.4 3.70 1.67
2.89 YES
L0033156 0 0.48370E-06 462233.4 3775676.7 427.4 3.70 1.67
2.89 YES
L0033157 0 0.48370E-06 462237.0 3775676.7 427.4 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033158	0	0.48370E-06	462240.6	3775676.6	427.4	3.70	1.67	2.89	YES	
L0033159	0	0.48370E-06	462244.2	3775676.6	427.4	3.70	1.67	2.89	YES	
L0033160	0	0.48370E-06	462247.8	3775676.6	427.4	3.70	1.67	2.89	YES	
L0033161	0	0.48370E-06	462251.4	3775676.5	427.4	3.70	1.67	2.89	YES	
L0033162	0	0.48370E-06	462255.0	3775676.5	427.4	3.70	1.67	2.89	YES	
L0033163	0	0.48370E-06	462258.6	3775676.5	427.4	3.70	1.67	2.89	YES	
L0033164	0	0.48370E-06	462262.2	3775676.4	427.4	3.70	1.67	2.89	YES	
L0033165	0	0.48370E-06	462265.8	3775676.4	427.3	3.70	1.67			

2.89 YES
L0033166 0 0.48370E-06 462269.4 3775676.4 427.3 3.70 1.67
2.89 YES
L0033167 0 0.48370E-06 462273.0 3775676.3 427.3 3.70 1.67
2.89 YES
L0033168 0 0.48370E-06 462276.6 3775676.3 427.3 3.70 1.67
2.89 YES
L0033169 0 0.48370E-06 462280.2 3775676.3 427.3 3.70 1.67
2.89 YES
L0033170 0 0.48370E-06 462283.8 3775676.2 427.3 3.70 1.67
2.89 YES
L0033171 0 0.48370E-06 462287.4 3775676.2 427.3 3.70 1.67
2.89 YES
L0033172 0 0.48370E-06 462291.0 3775676.2 427.3 3.70 1.67
2.89 YES
L0033173 0 0.48370E-06 462294.6 3775676.1 427.3 3.70 1.67
2.89 YES
L0033174 0 0.48370E-06 462298.2 3775676.1 427.3 3.70 1.67
2.89 YES
L0033175 0 0.48370E-06 462301.8 3775676.1 427.2 3.70 1.67
2.89 YES
L0033176 0 0.48370E-06 462305.4 3775676.0 427.2 3.70 1.67
2.89 YES
L0033177 0 0.48370E-06 462309.0 3775676.0 427.2 3.70 1.67
2.89 YES
L0033178 0 0.48370E-06 462312.6 3775676.0 427.2 3.70 1.67
2.89 YES
L0033179 0 0.48370E-06 462316.2 3775675.9 427.2 3.70 1.67
2.89 YES
L0033180 0 0.48370E-06 462319.8 3775675.9 427.2 3.70 1.67
2.89 YES
L0033181 0 0.48370E-06 462323.4 3775675.8 427.2 3.70 1.67
2.89 YES
L0033182 0 0.48370E-06 462327.0 3775675.8 427.2 3.70 1.67
2.89 YES
L0033183 0 0.48370E-06 462330.6 3775675.8 427.2 3.70 1.67
2.89 YES
L0033184 0 0.48370E-06 462334.2 3775675.7 427.1 3.70 1.67
2.89 YES
L0033185 0 0.48370E-06 462337.8 3775675.7 427.1 3.70 1.67
2.89 YES
L0033186 0 0.48370E-06 462341.4 3775675.7 427.1 3.70 1.67
2.89 YES
L0033187 0 0.48370E-06 462345.0 3775675.6 427.1 3.70 1.67
2.89 YES
L0033188 0 0.48370E-06 462348.6 3775675.6 427.1 3.70 1.67
2.89 YES
L0033189 0 0.48370E-06 462352.2 3775675.6 427.1 3.70 1.67
2.89 YES
L0033190 0 0.48370E-06 462355.8 3775675.5 427.1 3.70 1.67

2.89 YES
L0033191 0 0.48370E-06 462359.4 3775675.5 427.1 3.70 1.67
2.89 YES
L0033192 0 0.48370E-06 462363.0 3775675.5 427.1 3.70 1.67
2.89 YES
L0033193 0 0.48370E-06 462366.6 3775675.4 427.1 3.70 1.67
2.89 YES
L0033194 0 0.48370E-06 462370.2 3775675.4 427.0 3.70 1.67
2.89 YES
L0033195 0 0.48370E-06 462373.8 3775675.4 427.0 3.70 1.67
2.89 YES
L0033196 0 0.48370E-06 462377.4 3775675.4 427.0 3.70 1.67
2.89 YES
L0033197 0 0.48370E-06 462381.0 3775675.3 427.0 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033198	0	0.48370E-06	462384.6	3775675.3	427.0	3.70	1.67	2.89	YES	
L0033199	0	0.48370E-06	462388.2	3775675.3	427.0	3.70	1.67	2.89	YES	
L0033200	0	0.48370E-06	462391.8	3775675.2	427.0	3.70	1.67	2.89	YES	
L0033201	0	0.48370E-06	462395.4	3775675.2	427.0	3.70	1.67	2.89	YES	
L0033202	0	0.48370E-06	462399.0	3775675.2	426.9	3.70	1.67	2.89	YES	
L0033203	0	0.48370E-06	462402.6	3775675.1	426.9	3.70	1.67	2.89	YES	
L0033204	0	0.48370E-06	462406.2	3775675.1	426.9	3.70	1.67	2.89	YES	
L0033205	0	0.48370E-06	462409.8	3775675.1	426.9	3.70	1.67			

2.89 YES
L0033206 0 0.48370E-06 462413.4 3775675.1 426.9 3.70 1.67
2.89 YES
L0033207 0 0.48370E-06 462417.0 3775675.0 426.9 3.70 1.67
2.89 YES
L0033208 0 0.48370E-06 462420.6 3775675.0 426.9 3.70 1.67
2.89 YES
L0033209 0 0.48370E-06 462424.2 3775675.0 426.9 3.70 1.67
2.89 YES
L0033210 0 0.48370E-06 462427.8 3775674.9 426.8 3.70 1.67
2.89 YES
L0033211 0 0.48370E-06 462431.4 3775674.9 426.8 3.70 1.67
2.89 YES
L0033212 0 0.48370E-06 462435.0 3775674.9 426.8 3.70 1.67
2.89 YES
L0033213 0 0.48370E-06 462438.6 3775674.8 426.8 3.70 1.67
2.89 YES
L0033214 0 0.48370E-06 462442.2 3775674.8 426.8 3.70 1.67
2.89 YES
L0033215 0 0.48370E-06 462445.8 3775674.8 426.8 3.70 1.67
2.89 YES
L0033216 0 0.48370E-06 462449.4 3775674.7 426.7 3.70 1.67
2.89 YES
L0033217 0 0.48370E-06 462453.0 3775674.7 426.7 3.70 1.67
2.89 YES
L0033218 0 0.48370E-06 462456.6 3775674.7 426.7 3.70 1.67
2.89 YES
L0033219 0 0.48370E-06 462460.2 3775674.7 426.7 3.70 1.67
2.89 YES
L0033220 0 0.48370E-06 462463.8 3775674.6 426.7 3.70 1.67
2.89 YES
L0033221 0 0.48370E-06 462467.4 3775674.6 426.6 3.70 1.67
2.89 YES
L0033222 0 0.48370E-06 462471.0 3775674.6 426.6 3.70 1.67
2.89 YES
L0033223 0 0.48370E-06 462474.6 3775674.5 426.6 3.70 1.67
2.89 YES
L0033224 0 0.48370E-06 462478.2 3775674.5 426.6 3.70 1.67
2.89 YES
L0033225 0 0.48370E-06 462481.8 3775674.5 426.6 3.70 1.67
2.89 YES
L0033226 0 0.48370E-06 462485.4 3775674.4 426.6 3.70 1.67
2.89 YES
L0033227 0 0.48370E-06 462489.0 3775674.4 426.6 3.70 1.67
2.89 YES
L0033228 0 0.48370E-06 462492.6 3775674.4 426.5 3.70 1.67
2.89 YES
L0033229 0 0.48370E-06 462496.2 3775674.4 426.5 3.70 1.67
2.89 YES
L0033230 0 0.48370E-06 462499.8 3775674.3 426.5 3.70 1.67

2.89 YES
L0033231 0 0.48370E-06 462503.4 3775674.3 426.5 3.70 1.67
2.89 YES
L0033232 0 0.48370E-06 462507.0 3775674.3 426.5 3.70 1.67
2.89 YES
L0033233 0 0.48370E-06 462510.6 3775674.2 426.4 3.70 1.67
2.89 YES
L0033234 0 0.48370E-06 462514.2 3775674.2 426.4 3.70 1.67
2.89 YES
L0033235 0 0.48370E-06 462517.8 3775674.2 426.4 3.70 1.67
2.89 YES
L0033236 0 0.48370E-06 462521.4 3775674.1 426.4 3.70 1.67
2.89 YES
L0033237 0 0.48370E-06 462525.0 3775674.1 426.4 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0033238	0	0.48370E-06	462528.6	3775674.1	426.4	3.70	1.67	2.89	YES	
L0033239	0	0.48370E-06	462532.2	3775674.0	426.4	3.70	1.67	2.89	YES	
L0033240	0	0.48370E-06	462535.8	3775674.0	426.4	3.70	1.67	2.89	YES	
L0033241	0	0.48370E-06	462539.4	3775674.0	426.3	3.70	1.67	2.89	YES	
L0033242	0	0.48370E-06	462543.0	3775674.0	426.3	3.70	1.67	2.89	YES	
L0033243	0	0.48370E-06	462546.6	3775674.0	426.3	3.70	1.67	2.89	YES	
L0033244	0	0.48370E-06	462550.2	3775674.0	426.3	3.70	1.67	2.89	YES	
L0033245	0	0.48370E-06	462553.8	3775674.0	426.3	3.70	1.67			

2.89 YES
L0033246 0 0.48370E-06 462557.4 3775674.0 426.3 3.70 1.67
2.89 YES
L0033247 0 0.48370E-06 462561.0 3775674.0 426.3 3.70 1.67
2.89 YES
L0033248 0 0.48370E-06 462564.6 3775674.0 426.3 3.70 1.67
2.89 YES
L0033249 0 0.48370E-06 462568.2 3775674.1 426.3 3.70 1.67
2.89 YES
L0033250 0 0.48370E-06 462571.8 3775674.1 426.2 3.70 1.67
2.89 YES
L0033251 0 0.48370E-06 462575.4 3775674.1 426.2 3.70 1.67
2.89 YES
L0033252 0 0.48370E-06 462579.0 3775674.1 426.2 3.70 1.67
2.89 YES
L0033253 0 0.48370E-06 462582.6 3775674.1 426.2 3.70 1.67
2.89 YES
L0033254 0 0.48370E-06 462586.2 3775674.1 426.2 3.70 1.67
2.89 YES
L0033255 0 0.48370E-06 462589.8 3775674.1 426.2 3.70 1.67
2.89 YES
L0033256 0 0.48370E-06 462593.4 3775674.1 426.1 3.70 1.67
2.89 YES
L0033257 0 0.48370E-06 462597.0 3775674.1 426.1 3.70 1.67
2.89 YES
L0033258 0 0.48370E-06 462600.6 3775674.1 426.0 3.70 1.67
2.89 YES
L0033259 0 0.48370E-06 462604.2 3775674.1 426.0 3.70 1.67
2.89 YES
L0033260 0 0.48370E-06 462607.8 3775674.1 426.0 3.70 1.67
2.89 YES
L0033261 0 0.48370E-06 462611.4 3775674.1 425.9 3.70 1.67
2.89 YES
L0033262 0 0.48370E-06 462615.0 3775674.1 425.9 3.70 1.67
2.89 YES
L0033263 0 0.48370E-06 462618.6 3775674.2 425.9 3.70 1.67
2.89 YES
L0033264 0 0.48370E-06 462622.2 3775674.2 425.9 3.70 1.67
2.89 YES
L0033265 0 0.48370E-06 462625.8 3775674.2 425.9 3.70 1.67
2.89 YES
L0033266 0 0.48370E-06 462629.4 3775674.2 425.8 3.70 1.67
2.89 YES
L0033267 0 0.48370E-06 462633.0 3775674.2 425.8 3.70 1.67
2.89 YES
L0033268 0 0.48370E-06 462636.6 3775674.2 425.8 3.70 1.67
2.89 YES
L0033269 0 0.48370E-06 462640.2 3775674.2 425.8 3.70 1.67
2.89 YES
L0033270 0 0.48370E-06 462643.8 3775674.2 425.8 3.70 1.67

2.89 YES
L0033271 0 0.48370E-06 462647.4 3775674.2 425.8 3.70 1.67
2.89 YES
L0033272 0 0.48370E-06 462651.0 3775674.2 425.8 3.70 1.67
2.89 YES
L0033273 0 0.48370E-06 462654.6 3775674.2 425.7 3.70 1.67
2.89 YES
L0033274 0 0.48370E-06 462658.2 3775674.2 425.7 3.70 1.67
2.89 YES
L0033275 0 0.48370E-06 462661.8 3775674.2 425.7 3.70 1.67
2.89 YES
L0033276 0 0.48370E-06 462665.4 3775674.3 425.7 3.70 1.67
2.89 YES
L0033277 0 0.48370E-06 462669.0 3775674.3 425.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033278	0	0.48370E-06	462672.6	3775674.3	425.7	3.70	1.67	2.89	YES	
L0033279	0	0.48370E-06	462676.2	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033280	0	0.48370E-06	462679.8	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033281	0	0.48370E-06	462683.4	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033282	0	0.48370E-06	462687.0	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033283	0	0.48370E-06	462690.6	3775674.3	425.5	3.70	1.67	2.89	YES	
L0033284	0	0.48370E-06	462694.2	3775674.3	425.5	3.70	1.67	2.89	YES	
L0033285	0	0.48370E-06	462697.8	3775674.3	425.5	3.70	1.67			

2.89 YES
L0033286 0 0.48370E-06 462701.4 3775674.3 425.4 3.70 1.67
2.89 YES
L0033287 0 0.48370E-06 462705.0 3775674.3 425.4 3.70 1.67
2.89 YES
L0033288 0 0.48370E-06 462708.6 3775674.3 425.4 3.70 1.67
2.89 YES
L0033289 0 0.48370E-06 462712.2 3775674.3 425.3 3.70 1.67
2.89 YES
L0033290 0 0.48370E-06 462715.8 3775674.4 425.3 3.70 1.67
2.89 YES
L0033291 0 0.48370E-06 462719.4 3775674.4 425.3 3.70 1.67
2.89 YES
L0033292 0 0.48370E-06 462723.0 3775674.4 425.3 3.70 1.67
2.89 YES
L0033293 0 0.48370E-06 462726.6 3775674.4 425.3 3.70 1.67
2.89 YES
L0033294 0 0.48370E-06 462730.2 3775674.4 425.2 3.70 1.67
2.89 YES
L0033295 0 0.48370E-06 462733.8 3775674.4 425.2 3.70 1.67
2.89 YES
L0033296 0 0.48370E-06 462737.4 3775674.4 425.2 3.70 1.67
2.89 YES
L0033297 0 0.48370E-06 462741.0 3775674.4 425.2 3.70 1.67
2.89 YES
L0033298 0 0.48370E-06 462744.6 3775674.4 425.2 3.70 1.67
2.89 YES
L0033299 0 0.48370E-06 462748.2 3775674.4 425.2 3.70 1.67
2.89 YES
L0033300 0 0.48370E-06 462751.8 3775674.4 425.1 3.70 1.67
2.89 YES
L0033301 0 0.48370E-06 462755.4 3775674.4 425.1 3.70 1.67
2.89 YES
L0033302 0 0.48370E-06 462759.0 3775674.4 425.1 3.70 1.67
2.89 YES
L0033303 0 0.48370E-06 462762.6 3775674.5 425.1 3.70 1.67
2.89 YES
L0033304 0 0.48370E-06 462766.2 3775674.5 425.1 3.70 1.67
2.89 YES
L0033305 0 0.48370E-06 462769.8 3775674.5 425.0 3.70 1.67
2.89 YES
L0033306 0 0.48370E-06 462773.4 3775674.5 425.0 3.70 1.67
2.89 YES
L0033307 0 0.48370E-06 462777.0 3775674.5 425.0 3.70 1.67
2.89 YES
L0033308 0 0.48370E-06 462780.6 3775674.5 425.0 3.70 1.67
2.89 YES
L0033309 0 0.48370E-06 462784.2 3775674.5 425.0 3.70 1.67
2.89 YES
L0033310 0 0.48370E-06 462787.8 3775674.5 424.9 3.70 1.67

2.89 YES
L0033311 0 0.48370E-06 462791.4 3775674.5 424.9 3.70 1.67
2.89 YES
L0033312 0 0.48370E-06 462795.0 3775674.5 424.9 3.70 1.67
2.89 YES
L0033313 0 0.48370E-06 462798.6 3775674.5 424.9 3.70 1.67
2.89 YES
L0033314 0 0.48370E-06 462802.2 3775674.5 424.9 3.70 1.67
2.89 YES
L0033315 0 0.48370E-06 462805.8 3775674.5 424.9 3.70 1.67
2.89 YES
L0033316 0 0.48370E-06 462809.4 3775674.5 424.8 3.70 1.67
2.89 YES
L0033317 0 0.48370E-06 462813.0 3775674.6 424.8 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033318	0	0.48370E-06	462816.6	3775674.6	424.8	3.70	1.67	2.89	YES	
L0033319	0	0.48370E-06	462820.2	3775674.6	424.8	3.70	1.67	2.89	YES	
L0033320	0	0.48370E-06	462823.8	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033321	0	0.48370E-06	462827.4	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033322	0	0.48370E-06	462831.0	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033323	0	0.48370E-06	462834.6	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033324	0	0.48370E-06	462838.2	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033325	0	0.48370E-06	462841.8	3775674.6	424.7	3.70	1.67			

2.89 YES
L0033326 0 0.48370E-06 462845.4 3775674.6 424.6 3.70 1.67
2.89 YES
L0033327 0 0.48370E-06 462849.0 3775674.6 424.6 3.70 1.67
2.89 YES
L0033328 0 0.48370E-06 462852.6 3775674.6 424.6 3.70 1.67
2.89 YES
L0033329 0 0.48370E-06 462856.2 3775674.6 424.6 3.70 1.67
2.89 YES
L0033330 0 0.48370E-06 462859.8 3775674.7 424.6 3.70 1.67
2.89 YES
L0033331 0 0.48370E-06 462863.4 3775674.7 424.5 3.70 1.67
2.89 YES
L0033332 0 0.48370E-06 462867.0 3775674.7 424.5 3.70 1.67
2.89 YES
L0033333 0 0.48370E-06 462870.6 3775674.7 424.5 3.70 1.67
2.89 YES
L0033334 0 0.48370E-06 462874.2 3775674.7 424.5 3.70 1.67
2.89 YES
L0033335 0 0.48370E-06 462877.8 3775674.7 424.5 3.70 1.67
2.89 YES
L0033336 0 0.48370E-06 462881.4 3775674.7 424.5 3.70 1.67
2.89 YES
L0033337 0 0.48370E-06 462885.0 3775674.7 424.4 3.70 1.67
2.89 YES
L0033338 0 0.48370E-06 462888.6 3775674.7 424.4 3.70 1.67
2.89 YES
L0033339 0 0.48370E-06 462892.2 3775674.7 424.4 3.70 1.67
2.89 YES
L0033340 0 0.48370E-06 462895.8 3775674.7 424.4 3.70 1.67
2.89 YES
L0033341 0 0.48370E-06 462899.4 3775674.7 424.4 3.70 1.67
2.89 YES
L0033342 0 0.48370E-06 462903.0 3775674.7 424.4 3.70 1.67
2.89 YES
L0033343 0 0.48370E-06 462906.6 3775674.7 424.4 3.70 1.67
2.89 YES
L0033344 0 0.48370E-06 462910.2 3775674.8 424.3 3.70 1.67
2.89 YES
L0033345 0 0.48370E-06 462913.8 3775674.8 424.3 3.70 1.67
2.89 YES
L0033346 0 0.48370E-06 462917.4 3775674.8 424.3 3.70 1.67
2.89 YES
L0033347 0 0.48370E-06 462921.0 3775674.8 424.3 3.70 1.67
2.89 YES
L0033348 0 0.48370E-06 462924.6 3775674.8 424.3 3.70 1.67
2.89 YES
L0033349 0 0.48370E-06 462928.2 3775674.8 424.3 3.70 1.67
2.89 YES
L0033350 0 0.48370E-06 462931.8 3775674.8 424.2 3.70 1.67

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033358	0	0.48370E-06	462960.6	3775674.9	424.1	3.70	1.67	2.89	YES	
L0033359	0	0.48370E-06	462964.2	3775674.9	424.1	3.70	1.67	2.89	YES	
L0033360	0	0.48370E-06	462967.8	3775674.9	424.1	3.70	1.67	2.89	YES	
L0033361	0	0.48370E-06	462971.4	3775674.9	424.0	3.70	1.67	2.89	YES	
L0033362	0	0.48370E-06	462975.0	3775674.9	424.0	3.70	1.67	2.89	YES	
L0033363	0	0.48370E-06	462978.6	3775674.9	424.0	3.70	1.67	2.89	YES	
L0033364	0	0.48370E-06	462982.2	3775674.9	424.0	3.70	1.67	2.89	YES	
L0033365	0	0.48370E-06	462985.8	3775674.9	424.0	3.70	1.67			

2.89 YES
L0033366 0 0.48370E-06 462989.4 3775674.9 423.9 3.70 1.67
2.89 YES
L0033367 0 0.48370E-06 462993.0 3775674.9 423.9 3.70 1.67
2.89 YES
L0033368 0 0.48370E-06 462996.6 3775674.9 423.9 3.70 1.67
2.89 YES
L0033369 0 0.48370E-06 463000.2 3775674.9 423.9 3.70 1.67
2.89 YES
L0033370 0 0.48370E-06 463003.8 3775674.9 423.8 3.70 1.67
2.89 YES
L0033371 0 0.48370E-06 463007.4 3775675.0 423.8 3.70 1.67
2.89 YES
L0033372 0 0.48370E-06 463011.0 3775675.0 423.7 3.70 1.67
2.89 YES
L0033373 0 0.48370E-06 463014.6 3775675.0 423.7 3.70 1.67
2.89 YES
L0033374 0 0.48370E-06 463018.2 3775675.0 423.7 3.70 1.67
2.89 YES
L0033375 0 0.48370E-06 463021.8 3775675.0 423.6 3.70 1.67
2.89 YES
L0033376 0 0.48370E-06 463025.4 3775675.0 423.6 3.70 1.67
2.89 YES
L0033377 0 0.48370E-06 463029.0 3775675.0 423.6 3.70 1.67
2.89 YES
L0033378 0 0.48370E-06 463032.6 3775675.0 423.6 3.70 1.67
2.89 YES
L0033379 0 0.48370E-06 463036.2 3775675.0 423.6 3.70 1.67
2.89 YES
L0033380 0 0.48370E-06 463039.8 3775675.0 423.6 3.70 1.67
2.89 YES
L0033381 0 0.48370E-06 463043.4 3775675.0 423.5 3.70 1.67
2.89 YES
L0033382 0 0.48370E-06 463047.0 3775675.0 423.5 3.70 1.67
2.89 YES
L0033383 0 0.48370E-06 463050.6 3775675.0 423.5 3.70 1.67
2.89 YES
L0033384 0 0.48370E-06 463054.2 3775675.0 423.5 3.70 1.67
2.89 YES
L0033385 0 0.48370E-06 463057.8 3775675.0 423.5 3.70 1.67
2.89 YES
L0033386 0 0.48370E-06 463061.4 3775675.0 423.4 3.70 1.67
2.89 YES
L0033387 0 0.48370E-06 463065.0 3775675.0 423.4 3.70 1.67
2.89 YES
L0033388 0 0.48370E-06 463068.6 3775675.0 423.4 3.70 1.67
2.89 YES
L0033389 0 0.48370E-06 463072.2 3775675.0 423.3 3.70 1.67
2.89 YES
L0033390 0 0.48370E-06 463075.8 3775675.0 423.3 3.70 1.67

2.89   YES
 L0033391   0   0.48370E-06 463079.4 3775675.0   423.3   3.70   1.67
2.89   YES
 L0033392   0   0.48370E-06 463083.0 3775675.0   423.2   3.70   1.67
2.89   YES
 L0033393   0   0.48370E-06 463086.6 3775675.0   423.2   3.70   1.67
2.89   YES
 L0033394   0   0.48370E-06 463090.2 3775675.0   423.2   3.70   1.67
2.89   YES
 L0033395   0   0.48370E-06 463093.8 3775675.0   423.2   3.70   1.67
2.89   YES
 L0033396   0   0.48370E-06 463097.4 3775675.0   423.1   3.70   1.67
2.89   YES
 L0033397   0   0.48370E-06 463101.0 3775675.0   423.1   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- -

 L0033398   0   0.48370E-06 463104.6 3775675.0   423.1   3.70   1.67
2.89   YES
 L0033399   0   0.48370E-06 463108.2 3775675.0   423.1   3.70   1.67
2.89   YES
 L0033400   0   0.48370E-06 463111.8 3775675.0   423.0   3.70   1.67
2.89   YES
 L0033401   0   0.48370E-06 463115.4 3775675.0   423.0   3.70   1.67
2.89   YES
 L0033402   0   0.48370E-06 463119.0 3775675.0   423.0   3.70   1.67
2.89   YES
 L0033403   0   0.48370E-06 463122.6 3775675.0   423.0   3.70   1.67
2.89   YES
 L0033404   0   0.48370E-06 463126.2 3775675.0   422.9   3.70   1.67
2.89   YES
 L0033405   0   0.48370E-06 463129.8 3775675.0   422.9   3.70   1.67

2.89 YES
L0033406 0 0.48370E-06 463133.4 3775675.0 422.9 3.70 1.67
2.89 YES
L0033407 0 0.48370E-06 463137.0 3775675.0 422.9 3.70 1.67
2.89 YES
L0033408 0 0.48370E-06 463140.6 3775675.0 422.9 3.70 1.67
2.89 YES
L0033409 0 0.48370E-06 463144.2 3775675.0 422.9 3.70 1.67
2.89 YES
L0033410 0 0.48370E-06 463147.8 3775675.0 422.9 3.70 1.67
2.89 YES
L0033411 0 0.48370E-06 463151.4 3775675.0 422.9 3.70 1.67
2.89 YES
L0033412 0 0.48370E-06 463155.0 3775675.0 422.8 3.70 1.67
2.89 YES
L0033413 0 0.48370E-06 463158.6 3775675.0 422.8 3.70 1.67
2.89 YES
L0033414 0 0.48370E-06 463162.2 3775675.0 422.8 3.70 1.67
2.89 YES
L0033415 0 0.48370E-06 463165.8 3775675.0 422.8 3.70 1.67
2.89 YES
L0033416 0 0.48370E-06 463169.4 3775675.0 422.8 3.70 1.67
2.89 YES
L0033417 0 0.48370E-06 463173.0 3775675.0 422.8 3.70 1.67
2.89 YES
L0033418 0 0.48370E-06 463176.6 3775675.0 422.7 3.70 1.67
2.89 YES
L0033419 0 0.48370E-06 463180.2 3775675.0 422.7 3.70 1.67
2.89 YES
L0033420 0 0.48370E-06 463183.8 3775675.0 422.7 3.70 1.67
2.89 YES
L0033421 0 0.48370E-06 463187.4 3775675.0 422.7 3.70 1.67
2.89 YES
L0033422 0 0.48370E-06 463191.0 3775675.0 422.7 3.70 1.67
2.89 YES
L0033423 0 0.48370E-06 463194.6 3775675.0 422.7 3.70 1.67
2.89 YES
L0033424 0 0.48370E-06 463198.2 3775675.0 422.7 3.70 1.67
2.89 YES
L0033425 0 0.48370E-06 463201.8 3775675.0 422.7 3.70 1.67
2.89 YES
L0033426 0 0.48370E-06 463205.4 3775675.0 422.6 3.70 1.67
2.89 YES
L0033427 0 0.48370E-06 463209.0 3775675.0 422.6 3.70 1.67
2.89 YES
L0033428 0 0.48370E-06 463212.6 3775675.0 422.6 3.70 1.67
2.89 YES
L0033429 0 0.48370E-06 463216.2 3775675.0 422.6 3.70 1.67
2.89 YES
L0033430 0 0.48370E-06 463219.8 3775675.0 422.6 3.70 1.67

2.89 YES
L0033431 0 0.48370E-06 463223.4 3775675.0 422.5 3.70 1.67
2.89 YES
L0033432 0 0.48370E-06 463227.0 3775675.0 422.5 3.70 1.67
2.89 YES
L0033433 0 0.48370E-06 463230.6 3775675.0 422.5 3.70 1.67
2.89 YES
L0033434 0 0.48370E-06 463234.2 3775675.0 422.5 3.70 1.67
2.89 YES
L0033435 0 0.48370E-06 463237.8 3775675.0 422.4 3.70 1.67
2.89 YES
L0033436 0 0.48370E-06 463241.4 3775675.0 422.4 3.70 1.67
2.89 YES
L0033437 0 0.48370E-06 463245.0 3775675.0 422.4 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033438	0	0.48370E-06	463248.6	3775675.0	422.4	3.70	1.67	2.89	YES	
L0033439	0	0.48370E-06	463252.2	3775674.9	422.3	3.70	1.67	2.89	YES	
L0033440	0	0.48370E-06	463255.8	3775674.9	422.3	3.70	1.67	2.89	YES	
L0033441	0	0.48370E-06	463259.4	3775674.9	422.3	3.70	1.67	2.89	YES	
L0033442	0	0.48370E-06	463263.0	3775674.9	422.2	3.70	1.67	2.89	YES	
L0033443	0	0.48370E-06	463266.6	3775674.9	422.2	3.70	1.67	2.89	YES	
L0033444	0	0.48370E-06	463270.2	3775674.9	422.2	3.70	1.67	2.89	YES	
L0033445	0	0.48370E-06	463273.8	3775674.9	422.2	3.70	1.67			

2.89 YES
L0033446 0 0.48370E-06 463277.4 3775674.9 422.2 3.70 1.67
2.89 YES
L0033447 0 0.48370E-06 463281.0 3775674.9 422.2 3.70 1.67
2.89 YES
L0033448 0 0.48370E-06 463284.6 3775674.9 422.1 3.70 1.67
2.89 YES
L0033449 0 0.48370E-06 463288.2 3775674.9 422.1 3.70 1.67
2.89 YES
L0033450 0 0.48370E-06 463291.8 3775674.9 422.1 3.70 1.67
2.89 YES
L0033451 0 0.48370E-06 463295.4 3775674.9 422.1 3.70 1.67
2.89 YES
L0033452 0 0.48370E-06 463299.0 3775674.9 422.0 3.70 1.67
2.89 YES
L0033453 0 0.48370E-06 463302.6 3775674.9 422.0 3.70 1.67
2.89 YES
L0033454 0 0.48370E-06 463306.2 3775674.9 422.0 3.70 1.67
2.89 YES
L0033455 0 0.48370E-06 463309.8 3775674.9 422.0 3.70 1.67
2.89 YES
L0033456 0 0.48370E-06 463313.4 3775674.9 421.9 3.70 1.67
2.89 YES
L0033457 0 0.48370E-06 463317.0 3775674.8 421.9 3.70 1.67
2.89 YES
L0033458 0 0.48370E-06 463320.6 3775674.8 421.9 3.70 1.67
2.89 YES
L0033459 0 0.48370E-06 463324.2 3775674.8 421.9 3.70 1.67
2.89 YES
L0033460 0 0.48370E-06 463327.8 3775674.8 421.9 3.70 1.67
2.89 YES
L0033461 0 0.48370E-06 463331.4 3775674.8 421.8 3.70 1.67
2.89 YES
L0033462 0 0.48370E-06 463335.0 3775674.7 421.8 3.70 1.67
2.89 YES
L0033463 0 0.48370E-06 463338.6 3775674.7 421.8 3.70 1.67
2.89 YES
L0033464 0 0.48370E-06 463342.2 3775674.7 421.7 3.70 1.67
2.89 YES
L0033465 0 0.48370E-06 463345.8 3775674.7 421.7 3.70 1.67
2.89 YES
L0033466 0 0.48370E-06 463349.4 3775674.7 421.7 3.70 1.67
2.89 YES
L0033467 0 0.48370E-06 463353.0 3775674.6 421.7 3.70 1.67
2.89 YES
L0033468 0 0.48370E-06 463356.6 3775674.6 421.6 3.70 1.67
2.89 YES
L0033469 0 0.48370E-06 463360.2 3775674.6 421.6 3.70 1.67
2.89 YES
L0033470 0 0.48370E-06 463363.8 3775674.6 421.6 3.70 1.67

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2.89     YES
 L0033471         0   0.48370E-06  463367.4 3775674.5   421.6     3.70     1.67
2.89     YES
 L0033472         0   0.48370E-06  463371.0 3775674.5   421.6     3.70     1.67
2.89     YES
 L0033473         0   0.48370E-06  463374.6 3775674.5   421.5     3.70     1.67
2.89     YES
 L0033474         0   0.48370E-06  463378.2 3775674.5   421.5     3.70     1.67
2.89     YES
 L0033475         0   0.48370E-06  463381.8 3775674.5   421.5     3.70     1.67
2.89     YES
 L0033476         0   0.48370E-06  463385.4 3775674.4   421.5     3.70     1.67
2.89     YES
 L0033477         0   0.48370E-06  463389.0 3775674.4   421.4     3.70     1.67
2.89     YES
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                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0033478         0   0.48370E-06  463392.6 3775674.4   421.4     3.70     1.67
2.89     YES
 L0033479         0   0.48370E-06  463396.2 3775674.4   421.4     3.70     1.67
2.89     YES
 L0033480         0   0.48370E-06  463399.8 3775674.3   421.4     3.70     1.67
2.89     YES
 L0033481         0   0.48370E-06  463403.4 3775674.3   421.3     3.70     1.67
2.89     YES
 L0033482         0   0.48370E-06  463407.0 3775674.3   421.3     3.70     1.67
2.89     YES
 L0033483         0   0.48370E-06  463410.6 3775674.3   421.3     3.70     1.67
2.89     YES
 L0033484         0   0.48370E-06  463414.2 3775674.3   421.2     3.70     1.67
2.89     YES
 L0033485         0   0.48370E-06  463417.8 3775674.2   421.2     3.70     1.67
```

2.89 YES
L0033486 0 0.48370E-06 463421.4 3775674.2 421.2 3.70 1.67
2.89 YES
L0033487 0 0.48370E-06 463425.0 3775674.2 421.2 3.70 1.67
2.89 YES
L0033488 0 0.48370E-06 463428.6 3775674.2 421.2 3.70 1.67
2.89 YES
L0033489 0 0.48370E-06 463432.2 3775674.1 421.1 3.70 1.67
2.89 YES
L0033490 0 0.48370E-06 463435.8 3775674.1 421.1 3.70 1.67
2.89 YES
L0033491 0 0.48370E-06 463439.4 3775674.1 421.1 3.70 1.67
2.89 YES
L0033492 0 0.48370E-06 463443.0 3775674.1 421.1 3.70 1.67
2.89 YES
L0033493 0 0.48370E-06 463446.6 3775674.1 421.1 3.70 1.67
2.89 YES
L0033494 0 0.48370E-06 463450.2 3775674.0 421.0 3.70 1.67
2.89 YES
L0033495 0 0.48370E-06 463453.8 3775674.0 421.0 3.70 1.67
2.89 YES
L0033496 0 0.48370E-06 463457.4 3775674.0 421.0 3.70 1.67
2.89 YES
L0033497 0 0.48370E-06 463461.0 3775674.0 421.0 3.70 1.67
2.89 YES
L0033498 0 0.48370E-06 463464.6 3775673.9 421.0 3.70 1.67
2.89 YES
L0033499 0 0.48370E-06 463468.2 3775673.9 420.9 3.70 1.67
2.89 YES
L0033500 0 0.48370E-06 463471.8 3775673.9 420.9 3.70 1.67
2.89 YES
L0033501 0 0.48370E-06 463475.4 3775673.9 420.9 3.70 1.67
2.89 YES
L0033502 0 0.48370E-06 463479.0 3775673.9 420.9 3.70 1.67
2.89 YES
L0033503 0 0.48370E-06 463482.6 3775673.8 420.9 3.70 1.67
2.89 YES
L0033504 0 0.48370E-06 463486.2 3775673.8 420.9 3.70 1.67
2.89 YES
L0033505 0 0.48370E-06 463489.8 3775673.8 420.8 3.70 1.67
2.89 YES
L0033506 0 0.48370E-06 463493.4 3775673.8 420.8 3.70 1.67
2.89 YES
L0033507 0 0.48370E-06 463497.0 3775673.8 420.8 3.70 1.67
2.89 YES
L0033508 0 0.48370E-06 463500.6 3775673.7 420.8 3.70 1.67
2.89 YES
L0033509 0 0.48370E-06 463504.2 3775673.7 420.8 3.70 1.67
2.89 YES
L0033510 0 0.48370E-06 463507.8 3775673.7 420.8 3.70 1.67

```
2.89     YES
 L0033511         0   0.48370E-06  463511.4 3775673.7   420.8     3.70     1.67
2.89     YES
 L0033512         0   0.48370E-06  463515.0 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033513         0   0.48370E-06  463518.6 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033514         0   0.48370E-06  463522.2 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033515         0   0.48370E-06  463525.8 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033516         0   0.48370E-06  463529.4 3775673.6   420.6     3.70     1.67
2.89     YES
 L0033517         0   0.48370E-06  463533.0 3775673.5   420.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0033518         0   0.48370E-06  463536.6 3775673.5   420.6     3.70     1.67
2.89     YES
 L0033519         0   0.48370E-06  463540.2 3775673.5   420.6     3.70     1.67
2.89     YES
 L0033520         0   0.48370E-06  463543.8 3775673.5   420.6     3.70     1.67
2.89     YES
 L0033521         0   0.48370E-06  463547.4 3775673.5   420.5     3.70     1.67
2.89     YES
 L0033522         0   0.48370E-06  463551.0 3775673.5   420.5     3.70     1.67
2.89     YES
 L0033523         0   0.48370E-06  463554.6 3775673.5   420.5     3.70     1.67
2.89     YES
 L0033524         0   0.48370E-06  463558.2 3775673.5   420.5     3.70     1.67
2.89     YES
 L0033525         0   0.48370E-06  463561.8 3775673.5   420.5     3.70     1.67
```

2.89 YES
L0033526 0 0.48370E-06 463565.4 3775673.5 420.4 3.70 1.67
2.89 YES
L0033527 0 0.48370E-06 463569.0 3775673.5 420.4 3.70 1.67
2.89 YES
L0033528 0 0.48370E-06 463572.6 3775673.5 420.4 3.70 1.67
2.89 YES
L0033529 0 0.48370E-06 463576.2 3775673.5 420.4 3.70 1.67
2.89 YES
L0033530 0 0.48370E-06 463579.8 3775673.5 420.4 3.70 1.67
2.89 YES
L0033531 0 0.48370E-06 463583.4 3775673.5 420.4 3.70 1.67
2.89 YES
L0033532 0 0.48370E-06 463587.0 3775673.5 420.3 3.70 1.67
2.89 YES
L0033533 0 0.48370E-06 463590.6 3775673.5 420.3 3.70 1.67
2.89 YES
L0033534 0 0.48370E-06 463594.2 3775673.5 420.3 3.70 1.67
2.89 YES
L0033535 0 0.48370E-06 463597.8 3775673.5 420.3 3.70 1.67
2.89 YES
L0033536 0 0.48370E-06 463601.4 3775673.5 420.2 3.70 1.67
2.89 YES
L0033537 0 0.48370E-06 463605.0 3775673.6 420.2 3.70 1.67
2.89 YES
L0033538 0 0.48370E-06 463608.6 3775673.6 420.2 3.70 1.67
2.89 YES
L0033539 0 0.48370E-06 463612.2 3775673.6 420.2 3.70 1.67
2.89 YES
L0033540 0 0.48370E-06 463615.8 3775673.6 420.2 3.70 1.67
2.89 YES
L0033541 0 0.48370E-06 463619.4 3775673.6 420.1 3.70 1.67
2.89 YES
L0033542 0 0.48370E-06 463623.0 3775673.6 420.1 3.70 1.67
2.89 YES
L0033543 0 0.48370E-06 463626.6 3775673.6 420.0 3.70 1.67
2.89 YES
L0033544 0 0.48370E-06 463630.2 3775673.6 420.0 3.70 1.67
2.89 YES
L0033545 0 0.48370E-06 463633.8 3775673.6 420.0 3.70 1.67
2.89 YES
L0033546 0 0.48370E-06 463637.4 3775673.6 419.9 3.70 1.67
2.89 YES
L0033547 0 0.48370E-06 463641.0 3775673.6 419.9 3.70 1.67
2.89 YES
L0033548 0 0.48370E-06 463644.6 3775673.6 419.9 3.70 1.67
2.89 YES
L0033549 0 0.48370E-06 463648.2 3775673.6 419.9 3.70 1.67
2.89 YES
L0033550 0 0.48370E-06 463651.8 3775673.6 419.8 3.70 1.67

2.89 YES
L0033551 0 0.48370E-06 463655.4 3775673.6 419.8 3.70 1.67
2.89 YES
L0033552 0 0.48370E-06 463659.0 3775673.6 419.8 3.70 1.67
2.89 YES
L0033553 0 0.48370E-06 463662.6 3775673.6 419.7 3.70 1.67
2.89 YES
L0033554 0 0.48370E-06 463666.2 3775673.7 419.7 3.70 1.67
2.89 YES
L0033555 0 0.48370E-06 463669.8 3775673.7 419.7 3.70 1.67
2.89 YES
L0033556 0 0.48370E-06 463673.4 3775673.7 419.7 3.70 1.67
2.89 YES
L0033557 0 0.48370E-06 463677.0 3775673.7 419.6 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033558	0	0.48370E-06	463680.6	3775673.7	419.6	3.70	1.67	2.89	YES	
L0033559	0	0.48370E-06	463684.2	3775673.6	419.6	3.70	1.67	2.89	YES	
L0033560	0	0.48370E-06	463687.8	3775673.6	419.5	3.70	1.67	2.89	YES	
L0033561	0	0.48370E-06	463691.4	3775673.6	419.5	3.70	1.67	2.89	YES	
L0033562	0	0.48370E-06	463695.0	3775673.6	419.5	3.70	1.67	2.89	YES	
L0033563	0	0.48370E-06	463698.6	3775673.6	419.5	3.70	1.67	2.89	YES	
L0033564	0	0.48370E-06	463702.2	3775673.6	419.4	3.70	1.67	2.89	YES	
L0033565	0	0.48370E-06	463705.8	3775673.6	419.4	3.70	1.67			

2.89 YES
L0033566 0 0.48370E-06 463709.4 3775673.6 419.4 3.70 1.67
2.89 YES
L0033567 0 0.48370E-06 463713.0 3775673.5 419.4 3.70 1.67
2.89 YES
L0033568 0 0.48370E-06 463716.6 3775673.5 419.3 3.70 1.67
2.89 YES
L0033569 0 0.48370E-06 463720.2 3775673.5 419.3 3.70 1.67
2.89 YES
L0033570 0 0.48370E-06 463723.8 3775673.5 419.3 3.70 1.67
2.89 YES
L0033571 0 0.48370E-06 463727.4 3775673.5 419.3 3.70 1.67
2.89 YES
L0033572 0 0.48370E-06 463731.0 3775673.5 419.3 3.70 1.67
2.89 YES
L0033573 0 0.48370E-06 463734.6 3775673.5 419.2 3.70 1.67
2.89 YES
L0033574 0 0.48370E-06 463738.2 3775673.5 419.2 3.70 1.67
2.89 YES
L0033575 0 0.48370E-06 463741.8 3775673.4 419.2 3.70 1.67
2.89 YES
L0033576 0 0.48370E-06 463745.4 3775673.4 419.2 3.70 1.67
2.89 YES
L0033577 0 0.48370E-06 463749.0 3775673.4 419.2 3.70 1.67
2.89 YES
L0033578 0 0.48370E-06 463752.6 3775673.4 419.2 3.70 1.67
2.89 YES
L0033579 0 0.48370E-06 463756.2 3775673.4 419.1 3.70 1.67
2.89 YES
L0033580 0 0.48370E-06 463759.8 3775673.4 419.1 3.70 1.67
2.89 YES
L0033581 0 0.48370E-06 463763.4 3775673.4 419.1 3.70 1.67
2.89 YES
L0033582 0 0.48370E-06 463767.0 3775673.4 419.1 3.70 1.67
2.89 YES
L0033583 0 0.48370E-06 463770.6 3775673.4 419.0 3.70 1.67
2.89 YES
L0033584 0 0.48370E-06 463774.2 3775673.3 419.0 3.70 1.67
2.89 YES
L0033585 0 0.48370E-06 463777.8 3775673.3 419.0 3.70 1.67
2.89 YES
L0033586 0 0.48370E-06 463781.4 3775673.3 419.0 3.70 1.67
2.89 YES
L0033587 0 0.48370E-06 463785.0 3775673.3 418.9 3.70 1.67
2.89 YES
L0033588 0 0.48370E-06 463788.6 3775673.3 418.9 3.70 1.67
2.89 YES
L0033589 0 0.48370E-06 463792.2 3775673.3 418.9 3.70 1.67
2.89 YES
L0033590 0 0.48370E-06 463795.8 3775673.3 418.9 3.70 1.67

2.89 YES
L0033591 0 0.48370E-06 463799.4 3775673.3 418.8 3.70 1.67
2.89 YES
L0033592 0 0.48370E-06 463803.0 3775673.2 418.8 3.70 1.67
2.89 YES
L0033593 0 0.48370E-06 463806.6 3775673.2 418.8 3.70 1.67
2.89 YES
L0033594 0 0.48370E-06 463810.2 3775673.2 418.8 3.70 1.67
2.89 YES
L0033595 0 0.48370E-06 463813.8 3775673.2 418.8 3.70 1.67
2.89 YES
L0033596 0 0.48370E-06 463817.4 3775673.2 418.7 3.70 1.67
2.89 YES
L0033597 0 0.48370E-06 463821.0 3775673.2 418.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033598	0	0.48370E-06	463824.6	3775673.2	418.7	3.70	1.67	2.89	YES	
L0033599	0	0.48370E-06	463828.2	3775673.2	418.7	3.70	1.67	2.89	YES	
L0033600	0	0.48370E-06	463831.8	3775673.1	418.7	3.70	1.67	2.89	YES	
L0033601	0	0.48370E-06	463835.4	3775673.1	418.7	3.70	1.67	2.89	YES	
L0033602	0	0.48370E-06	463839.0	3775673.1	418.7	3.70	1.67	2.89	YES	
L0033603	0	0.48370E-06	463842.6	3775673.1	418.7	3.70	1.67	2.89	YES	
L0033604	0	0.48370E-06	463846.2	3775673.1	418.7	3.70	1.67	2.89	YES	
L0033605	0	0.48370E-06	463849.8	3775673.1	418.7	3.70	1.67			

2.89 YES
L0033606 0 0.48370E-06 463853.4 3775673.1 418.7 3.70 1.67
2.89 YES
L0033607 0 0.48370E-06 463857.0 3775673.1 418.6 3.70 1.67
2.89 YES
L0033608 0 0.48370E-06 463860.6 3775673.1 418.6 3.70 1.67
2.89 YES
L0033609 0 0.48370E-06 463864.2 3775673.0 418.6 3.70 1.67
2.89 YES
L0033610 0 0.48370E-06 463867.8 3775673.0 418.6 3.70 1.67
2.89 YES
L0033611 0 0.48370E-06 463871.4 3775673.0 418.5 3.70 1.67
2.89 YES
L0033612 0 0.48370E-06 463875.0 3775673.0 418.5 3.70 1.67
2.89 YES
L0033613 0 0.48370E-06 463878.6 3775673.0 418.5 3.70 1.67
2.89 YES
L0033614 0 0.48370E-06 463882.2 3775673.0 418.5 3.70 1.67
2.89 YES
L0033615 0 0.48370E-06 463885.8 3775673.0 418.5 3.70 1.67
2.89 YES
L0033616 0 0.48370E-06 463889.4 3775673.0 418.4 3.70 1.67
2.89 YES
L0033617 0 0.48370E-06 463893.0 3775672.9 418.4 3.70 1.67
2.89 YES
L0033618 0 0.48370E-06 463896.6 3775672.9 418.4 3.70 1.67
2.89 YES
L0033619 0 0.48370E-06 463900.2 3775672.9 418.4 3.70 1.67
2.89 YES
L0033620 0 0.48370E-06 463903.8 3775672.9 418.3 3.70 1.67
2.89 YES
L0033621 0 0.48370E-06 463907.4 3775672.9 418.3 3.70 1.67
2.89 YES
L0033622 0 0.48370E-06 463911.0 3775672.9 418.2 3.70 1.67
2.89 YES
L0033623 0 0.48370E-06 463914.6 3775672.9 418.2 3.70 1.67
2.89 YES
L0033624 0 0.48370E-06 463918.2 3775672.9 418.2 3.70 1.67
2.89 YES
L0033625 0 0.48370E-06 463921.8 3775672.8 418.1 3.70 1.67
2.89 YES
L0033626 0 0.48370E-06 463925.4 3775672.8 418.1 3.70 1.67
2.89 YES
L0033627 0 0.48370E-06 463929.0 3775672.8 418.1 3.70 1.67
2.89 YES
L0033628 0 0.48370E-06 463932.6 3775672.8 418.0 3.70 1.67
2.89 YES
L0033629 0 0.48370E-06 463936.2 3775672.8 418.0 3.70 1.67
2.89 YES
L0033630 0 0.48370E-06 463939.8 3775672.8 417.9 3.70 1.67

2.89 YES
L0033631 0 0.48370E-06 463943.4 3775672.8 417.9 3.70 1.67
2.89 YES
L0033632 0 0.48370E-06 463947.0 3775672.8 417.9 3.70 1.67
2.89 YES
L0033633 0 0.48370E-06 463950.6 3775672.8 417.8 3.70 1.67
2.89 YES
L0033634 0 0.48370E-06 463954.2 3775672.7 417.8 3.70 1.67
2.89 YES
L0033635 0 0.48370E-06 463957.8 3775672.7 417.8 3.70 1.67
2.89 YES
L0033636 0 0.48370E-06 463961.4 3775672.7 417.8 3.70 1.67
2.89 YES
L0033637 0 0.48370E-06 463965.0 3775672.7 417.8 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0033638	0	0.48370E-06	463968.6	3775672.7	417.8	3.70	1.67	2.89	YES	
L0033639	0	0.48370E-06	463972.2	3775672.7	417.7	3.70	1.67	2.89	YES	
L0033640	0	0.48370E-06	463975.8	3775672.7	417.7	3.70	1.67	2.89	YES	
L0033641	0	0.48370E-06	463979.4	3775672.7	417.7	3.70	1.67	2.89	YES	
L0033642	0	0.48370E-06	463983.0	3775672.6	417.7	3.70	1.67	2.89	YES	
L0033643	0	0.48370E-06	463986.6	3775672.6	417.7	3.70	1.67	2.89	YES	
L0033644	0	0.48370E-06	463990.2	3775672.6	417.7	3.70	1.67	2.89	YES	
L0033645	0	0.48370E-06	463993.8	3775672.6	417.7	3.70	1.67			

2.89 YES
L0033646 0 0.48370E-06 463997.4 3775672.6 417.7 3.70 1.67
2.89 YES
L0033647 0 0.48370E-06 464001.0 3775672.6 417.6 3.70 1.67
2.89 YES
L0033648 0 0.48370E-06 464004.6 3775672.6 417.6 3.70 1.67
2.89 YES
L0033649 0 0.48370E-06 464008.2 3775672.6 417.6 3.70 1.67
2.89 YES
L0033650 0 0.48370E-06 464011.8 3775672.5 417.6 3.70 1.67
2.89 YES
L0033651 0 0.48370E-06 464015.4 3775672.5 417.6 3.70 1.67
2.89 YES
L0033652 0 0.48370E-06 464019.0 3775672.5 417.6 3.70 1.67
2.89 YES
L0033653 0 0.48370E-06 464022.6 3775672.5 417.6 3.70 1.67
2.89 YES
L0033654 0 0.48370E-06 464026.2 3775672.5 417.5 3.70 1.67
2.89 YES
L0033655 0 0.48370E-06 464029.8 3775672.5 417.5 3.70 1.67
2.89 YES
L0033656 0 0.48370E-06 464033.4 3775672.5 417.5 3.70 1.67
2.89 YES
L0033657 0 0.48370E-06 464037.0 3775672.5 417.5 3.70 1.67
2.89 YES
L0033658 0 0.48370E-06 464040.6 3775672.5 417.5 3.70 1.67
2.89 YES
L0033659 0 0.48370E-06 464042.8 3775673.9 417.5 3.70 1.67
2.89 YES
L0033660 0 0.48370E-06 464042.9 3775677.5 417.6 3.70 1.67
2.89 YES
L0033661 0 0.48370E-06 464043.0 3775681.1 417.7 3.70 1.67
2.89 YES
L0033662 0 0.48420E-06 464038.8 3775681.0 417.8 3.70 1.67
2.89 YES
L0033663 0 0.48420E-06 464035.2 3775681.0 417.8 3.70 1.67
2.89 YES
L0033664 0 0.48420E-06 464031.6 3775681.0 417.8 3.70 1.67
2.89 YES
L0033665 0 0.48420E-06 464028.0 3775681.0 417.8 3.70 1.67
2.89 YES
L0033666 0 0.48420E-06 464024.4 3775681.1 417.8 3.70 1.67
2.89 YES
L0033667 0 0.48420E-06 464020.8 3775681.1 417.8 3.70 1.67
2.89 YES
L0033668 0 0.48420E-06 464017.2 3775681.1 417.8 3.70 1.67
2.89 YES
L0033669 0 0.48420E-06 464013.6 3775681.2 417.8 3.70 1.67
2.89 YES
L0033670 0 0.48420E-06 464010.0 3775681.2 417.8 3.70 1.67

2.89 YES
L0033671 0 0.48420E-06 464006.4 3775681.2 417.8 3.70 1.67
2.89 YES
L0033672 0 0.48420E-06 464002.8 3775681.2 417.8 3.70 1.67
2.89 YES
L0033673 0 0.48420E-06 463999.2 3775681.3 417.9 3.70 1.67
2.89 YES
L0033674 0 0.48420E-06 463995.6 3775681.3 417.9 3.70 1.67
2.89 YES
L0033675 0 0.48420E-06 463992.0 3775681.3 417.9 3.70 1.67
2.89 YES
L0033676 0 0.48420E-06 463988.4 3775681.3 417.9 3.70 1.67
2.89 YES
L0033677 0 0.48420E-06 463984.8 3775681.4 417.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033678	0	0.48420E-06	463981.2	3775681.4	417.9	3.70	1.67	2.89	YES	
L0033679	0	0.48420E-06	463977.6	3775681.4	417.9	3.70	1.67	2.89	YES	
L0033680	0	0.48420E-06	463974.0	3775681.4	417.9	3.70	1.67	2.89	YES	
L0033681	0	0.48420E-06	463970.4	3775681.5	417.9	3.70	1.67	2.89	YES	
L0033682	0	0.48420E-06	463966.8	3775681.5	417.9	3.70	1.67	2.89	YES	
L0033683	0	0.48420E-06	463963.2	3775681.5	417.9	3.70	1.67	2.89	YES	
L0033684	0	0.48420E-06	463959.6	3775681.6	417.9	3.70	1.67	2.89	YES	
L0033685	0	0.48420E-06	463956.0	3775681.6	417.9	3.70	1.67			

2.89 YES
L0033686 0 0.48420E-06 463952.4 3775681.6 417.9 3.70 1.67
2.89 YES
L0033687 0 0.48420E-06 463948.8 3775681.6 417.9 3.70 1.67
2.89 YES
L0033688 0 0.48420E-06 463945.2 3775681.7 417.9 3.70 1.67
2.89 YES
L0033689 0 0.48420E-06 463941.6 3775681.7 418.0 3.70 1.67
2.89 YES
L0033690 0 0.48420E-06 463938.0 3775681.7 418.0 3.70 1.67
2.89 YES
L0033691 0 0.48420E-06 463934.4 3775681.7 418.1 3.70 1.67
2.89 YES
L0033692 0 0.48420E-06 463930.8 3775681.8 418.1 3.70 1.67
2.89 YES
L0033693 0 0.48420E-06 463927.2 3775681.8 418.1 3.70 1.67
2.89 YES
L0033694 0 0.48420E-06 463923.6 3775681.8 418.2 3.70 1.67
2.89 YES
L0033695 0 0.48420E-06 463920.0 3775681.8 418.2 3.70 1.67
2.89 YES
L0033696 0 0.48420E-06 463916.4 3775681.9 418.3 3.70 1.67
2.89 YES
L0033697 0 0.48420E-06 463912.8 3775681.9 418.3 3.70 1.67
2.89 YES
L0033698 0 0.48420E-06 463909.2 3775681.9 418.4 3.70 1.67
2.89 YES
L0033699 0 0.48420E-06 463905.6 3775682.0 418.4 3.70 1.67
2.89 YES
L0033700 0 0.48420E-06 463902.0 3775682.0 418.4 3.70 1.67
2.89 YES
L0033701 0 0.48420E-06 463898.4 3775682.0 418.5 3.70 1.67
2.89 YES
L0033702 0 0.48420E-06 463894.8 3775682.1 418.6 3.70 1.67
2.89 YES
L0033703 0 0.48420E-06 463891.2 3775682.1 418.6 3.70 1.67
2.89 YES
L0033704 0 0.48420E-06 463887.6 3775682.1 418.6 3.70 1.67
2.89 YES
L0033705 0 0.48420E-06 463884.0 3775682.2 418.6 3.70 1.67
2.89 YES
L0033706 0 0.48420E-06 463880.4 3775682.2 418.7 3.70 1.67
2.89 YES
L0033707 0 0.48420E-06 463876.8 3775682.2 418.7 3.70 1.67
2.89 YES
L0033708 0 0.48420E-06 463873.2 3775682.3 418.7 3.70 1.67
2.89 YES
L0033709 0 0.48420E-06 463869.6 3775682.3 418.7 3.70 1.67
2.89 YES
L0033710 0 0.48420E-06 463866.0 3775682.4 418.7 3.70 1.67

2.89   YES
 L0033711   0   0.48420E-06 463862.4 3775682.4   418.8   3.70   1.67
2.89   YES
 L0033712   0   0.48420E-06 463858.8 3775682.4   418.8   3.70   1.67
2.89   YES
 L0033713   0   0.48420E-06 463855.2 3775682.5   418.8   3.70   1.67
2.89   YES
 L0033714   0   0.48420E-06 463851.6 3775682.5   418.8   3.70   1.67
2.89   YES
 L0033715   0   0.48420E-06 463848.0 3775682.5   418.9   3.70   1.67
2.89   YES
 L0033716   0   0.48420E-06 463844.4 3775682.6   418.9   3.70   1.67
2.89   YES
 L0033717   0   0.48420E-06 463840.8 3775682.6   418.9   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0033718   0   0.48420E-06 463837.2 3775682.6   418.9   3.70   1.67
2.89   YES
 L0033719   0   0.48420E-06 463833.6 3775682.7   418.9   3.70   1.67
2.89   YES
 L0033720   0   0.48420E-06 463830.0 3775682.7   418.9   3.70   1.67
2.89   YES
 L0033721   0   0.48420E-06 463826.4 3775682.7   418.9   3.70   1.67
2.89   YES
 L0033722   0   0.48420E-06 463822.8 3775682.8   418.9   3.70   1.67
2.89   YES
 L0033723   0   0.48420E-06 463819.2 3775682.8   418.9   3.70   1.67
2.89   YES
 L0033724   0   0.48420E-06 463815.6 3775682.9   418.9   3.70   1.67
2.89   YES
 L0033725   0   0.48420E-06 463812.0 3775682.9   418.9   3.70   1.67

2.89 YES
L0033726 0 0.48420E-06 463808.4 3775682.9 418.9 3.70 1.67
2.89 YES
L0033727 0 0.48420E-06 463804.8 3775683.0 419.0 3.70 1.67
2.89 YES
L0033728 0 0.48420E-06 463801.2 3775683.0 419.0 3.70 1.67
2.89 YES
L0033729 0 0.48420E-06 463797.6 3775683.0 419.0 3.70 1.67
2.89 YES
L0033730 0 0.48420E-06 463794.0 3775683.1 419.0 3.70 1.67
2.89 YES
L0033731 0 0.48420E-06 463790.4 3775683.1 419.1 3.70 1.67
2.89 YES
L0033732 0 0.48420E-06 463786.8 3775683.1 419.1 3.70 1.67
2.89 YES
L0033733 0 0.48420E-06 463783.2 3775683.2 419.1 3.70 1.67
2.89 YES
L0033734 0 0.48420E-06 463779.6 3775683.2 419.2 3.70 1.67
2.89 YES
L0033735 0 0.48420E-06 463776.0 3775683.2 419.2 3.70 1.67
2.89 YES
L0033736 0 0.48420E-06 463772.4 3775683.3 419.2 3.70 1.67
2.89 YES
L0033737 0 0.48420E-06 463768.8 3775683.3 419.3 3.70 1.67
2.89 YES
L0033738 0 0.48420E-06 463765.2 3775683.3 419.3 3.70 1.67
2.89 YES
L0033739 0 0.48420E-06 463761.6 3775683.4 419.3 3.70 1.67
2.89 YES
L0033740 0 0.48420E-06 463758.0 3775683.4 419.3 3.70 1.67
2.89 YES
L0033741 0 0.48420E-06 463754.4 3775683.5 419.4 3.70 1.67
2.89 YES
L0033742 0 0.48420E-06 463750.8 3775683.5 419.4 3.70 1.67
2.89 YES
L0033743 0 0.48420E-06 463747.2 3775683.5 419.4 3.70 1.67
2.89 YES
L0033744 0 0.48420E-06 463743.6 3775683.6 419.4 3.70 1.67
2.89 YES
L0033745 0 0.48420E-06 463740.0 3775683.6 419.4 3.70 1.67
2.89 YES
L0033746 0 0.48420E-06 463736.4 3775683.6 419.4 3.70 1.67
2.89 YES
L0033747 0 0.48420E-06 463732.8 3775683.7 419.4 3.70 1.67
2.89 YES
L0033748 0 0.48420E-06 463729.2 3775683.7 419.4 3.70 1.67
2.89 YES
L0033749 0 0.48420E-06 463725.6 3775683.7 419.5 3.70 1.67
2.89 YES
L0033750 0 0.48420E-06 463722.0 3775683.8 419.5 3.70 1.67

2.89 YES
L0033751 0 0.48420E-06 463718.4 3775683.8 419.5 3.70 1.67
2.89 YES
L0033752 0 0.48420E-06 463714.8 3775683.8 419.5 3.70 1.67
2.89 YES
L0033753 0 0.48420E-06 463711.2 3775683.9 419.5 3.70 1.67
2.89 YES
L0033754 0 0.48420E-06 463707.6 3775683.9 419.5 3.70 1.67
2.89 YES
L0033755 0 0.48420E-06 463704.0 3775684.0 419.6 3.70 1.67
2.89 YES
L0033756 0 0.48420E-06 463700.4 3775684.0 419.6 3.70 1.67
2.89 YES
L0033757 0 0.48420E-06 463696.8 3775684.0 419.6 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033758	0	0.48420E-06	463693.2	3775684.1	419.6	3.70	1.67	2.89	YES	
L0033759	0	0.48420E-06	463689.6	3775684.1	419.6	3.70	1.67	2.89	YES	
L0033760	0	0.48420E-06	463686.0	3775684.1	419.7	3.70	1.67	2.89	YES	
L0033761	0	0.48420E-06	463682.4	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033762	0	0.48420E-06	463678.8	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033763	0	0.48420E-06	463675.2	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033764	0	0.48420E-06	463671.6	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033765	0	0.48420E-06	463668.0	3775684.3	419.8	3.70	1.67			

2.89 YES
L0033766 0 0.48420E-06 463664.4 3775684.3 419.8 3.70 1.67
2.89 YES
L0033767 0 0.48420E-06 463660.8 3775684.3 419.8 3.70 1.67
2.89 YES
L0033768 0 0.48420E-06 463657.2 3775684.3 419.9 3.70 1.67
2.89 YES
L0033769 0 0.48420E-06 463653.6 3775684.3 419.9 3.70 1.67
2.89 YES
L0033770 0 0.48420E-06 463650.0 3775684.3 419.9 3.70 1.67
2.89 YES
L0033771 0 0.48420E-06 463646.4 3775684.4 419.9 3.70 1.67
2.89 YES
L0033772 0 0.48420E-06 463642.8 3775684.4 420.0 3.70 1.67
2.89 YES
L0033773 0 0.48420E-06 463639.2 3775684.4 420.0 3.70 1.67
2.89 YES
L0033774 0 0.48420E-06 463635.6 3775684.4 420.1 3.70 1.67
2.89 YES
L0033775 0 0.48420E-06 463632.0 3775684.4 420.1 3.70 1.67
2.89 YES
L0033776 0 0.48420E-06 463628.4 3775684.5 420.2 3.70 1.67
2.89 YES
L0033777 0 0.48420E-06 463624.8 3775684.5 420.2 3.70 1.67
2.89 YES
L0033778 0 0.48420E-06 463621.2 3775684.5 420.2 3.70 1.67
2.89 YES
L0033779 0 0.48420E-06 463617.6 3775684.5 420.3 3.70 1.67
2.89 YES
L0033780 0 0.48420E-06 463614.0 3775684.5 420.3 3.70 1.67
2.89 YES
L0033781 0 0.48420E-06 463610.4 3775684.5 420.4 3.70 1.67
2.89 YES
L0033782 0 0.48420E-06 463606.8 3775684.6 420.4 3.70 1.67
2.89 YES
L0033783 0 0.48420E-06 463603.2 3775684.6 420.4 3.70 1.67
2.89 YES
L0033784 0 0.48420E-06 463599.6 3775684.6 420.4 3.70 1.67
2.89 YES
L0033785 0 0.48420E-06 463596.0 3775684.6 420.4 3.70 1.67
2.89 YES
L0033786 0 0.48420E-06 463592.4 3775684.6 420.4 3.70 1.67
2.89 YES
L0033787 0 0.48420E-06 463588.8 3775684.6 420.5 3.70 1.67
2.89 YES
L0033788 0 0.48420E-06 463585.2 3775684.7 420.5 3.70 1.67
2.89 YES
L0033789 0 0.48420E-06 463581.6 3775684.7 420.5 3.70 1.67
2.89 YES
L0033790 0 0.48420E-06 463578.0 3775684.7 420.5 3.70 1.67

2.89 YES
L0033791 0 0.48420E-06 463574.4 3775684.7 420.5 3.70 1.67
2.89 YES
L0033792 0 0.48420E-06 463570.8 3775684.7 420.6 3.70 1.67
2.89 YES
L0033793 0 0.48420E-06 463567.2 3775684.8 420.6 3.70 1.67
2.89 YES
L0033794 0 0.48420E-06 463563.6 3775684.8 420.6 3.70 1.67
2.89 YES
L0033795 0 0.48420E-06 463560.0 3775684.8 420.6 3.70 1.67
2.89 YES
L0033796 0 0.48420E-06 463556.4 3775684.8 420.7 3.70 1.67
2.89 YES
L0033797 0 0.48420E-06 463552.8 3775684.8 420.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033798	0	0.48420E-06	463549.2	3775684.8	420.7	3.70	1.67	2.89	YES	
L0033799	0	0.48420E-06	463545.6	3775684.9	420.7	3.70	1.67	2.89	YES	
L0033800	0	0.48420E-06	463542.0	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033801	0	0.48420E-06	463538.4	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033802	0	0.48420E-06	463534.8	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033803	0	0.48420E-06	463531.2	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033804	0	0.48420E-06	463527.6	3775684.9	420.9	3.70	1.67	2.89	YES	
L0033805	0	0.48420E-06	463524.0	3775685.0	420.9	3.70	1.67			

2.89 YES
L0033806 0 0.48420E-06 463520.4 3775685.0 420.9 3.70 1.67
2.89 YES
L0033807 0 0.48420E-06 463516.8 3775685.0 420.9 3.70 1.67
2.89 YES
L0033808 0 0.48420E-06 463513.2 3775685.0 421.0 3.70 1.67
2.89 YES
L0033809 0 0.48420E-06 463509.6 3775685.0 421.0 3.70 1.67
2.89 YES
L0033810 0 0.48420E-06 463506.0 3775685.1 421.0 3.70 1.67
2.89 YES
L0033811 0 0.48420E-06 463502.4 3775685.1 421.0 3.70 1.67
2.89 YES
L0033812 0 0.48420E-06 463498.8 3775685.1 421.0 3.70 1.67
2.89 YES
L0033813 0 0.48420E-06 463495.2 3775685.1 421.0 3.70 1.67
2.89 YES
L0033814 0 0.48420E-06 463491.6 3775685.1 421.0 3.70 1.67
2.89 YES
L0033815 0 0.48420E-06 463488.0 3775685.1 421.0 3.70 1.67
2.89 YES
L0033816 0 0.48420E-06 463484.4 3775685.2 421.0 3.70 1.67
2.89 YES
L0033817 0 0.48420E-06 463480.8 3775685.2 421.1 3.70 1.67
2.89 YES
L0033818 0 0.48420E-06 463477.2 3775685.2 421.1 3.70 1.67
2.89 YES
L0033819 0 0.48420E-06 463473.6 3775685.2 421.1 3.70 1.67
2.89 YES
L0033820 0 0.48420E-06 463470.0 3775685.2 421.1 3.70 1.67
2.89 YES
L0033821 0 0.48420E-06 463466.4 3775685.3 421.1 3.70 1.67
2.89 YES
L0033822 0 0.48420E-06 463462.8 3775685.3 421.1 3.70 1.67
2.89 YES
L0033823 0 0.48420E-06 463459.2 3775685.3 421.1 3.70 1.67
2.89 YES
L0033824 0 0.48420E-06 463455.6 3775685.3 421.2 3.70 1.67
2.89 YES
L0033825 0 0.48420E-06 463452.0 3775685.3 421.2 3.70 1.67
2.89 YES
L0033826 0 0.48420E-06 463448.4 3775685.3 421.2 3.70 1.67
2.89 YES
L0033827 0 0.48420E-06 463444.8 3775685.4 421.2 3.70 1.67
2.89 YES
L0033828 0 0.48420E-06 463441.2 3775685.4 421.2 3.70 1.67
2.89 YES
L0033829 0 0.48420E-06 463437.6 3775685.4 421.2 3.70 1.67
2.89 YES
L0033830 0 0.48420E-06 463434.0 3775685.4 421.2 3.70 1.67

2.89   YES
 L0033831   0   0.48420E-06 463430.4 3775685.4   421.2   3.70   1.67
2.89   YES
 L0033832   0   0.48420E-06 463426.8 3775685.4   421.2   3.70   1.67
2.89   YES
 L0033833   0   0.48420E-06 463423.2 3775685.5   421.3   3.70   1.67
2.89   YES
 L0033834   0   0.48420E-06 463419.6 3775685.5   421.3   3.70   1.67
2.89   YES
 L0033835   0   0.48420E-06 463416.0 3775685.5   421.3   3.70   1.67
2.89   YES
 L0033836   0   0.48420E-06 463412.4 3775685.5   421.3   3.70   1.67
2.89   YES
 L0033837   0   0.48420E-06 463408.8 3775685.5   421.4   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0033838   0   0.48420E-06 463405.2 3775685.6   421.4   3.70   1.67
2.89   YES
 L0033839   0   0.48420E-06 463401.6 3775685.6   421.5   3.70   1.67
2.89   YES
 L0033840   0   0.48420E-06 463398.0 3775685.6   421.5   3.70   1.67
2.89   YES
 L0033841   0   0.48420E-06 463394.4 3775685.6   421.6   3.70   1.67
2.89   YES
 L0033842   0   0.48420E-06 463390.8 3775685.6   421.6   3.70   1.67
2.89   YES
 L0033843   0   0.48420E-06 463387.2 3775685.6   421.6   3.70   1.67
2.89   YES
 L0033844   0   0.48420E-06 463383.6 3775685.7   421.7   3.70   1.67
2.89   YES
 L0033845   0   0.48420E-06 463380.0 3775685.7   421.7   3.70   1.67

2.89 YES
L0033846 0 0.48420E-06 463376.4 3775685.7 421.7 3.70 1.67
2.89 YES
L0033847 0 0.48420E-06 463372.8 3775685.7 421.7 3.70 1.67
2.89 YES
L0033848 0 0.48420E-06 463369.2 3775685.7 421.8 3.70 1.67
2.89 YES
L0033849 0 0.48420E-06 463365.6 3775685.7 421.8 3.70 1.67
2.89 YES
L0033850 0 0.48420E-06 463362.0 3775685.8 421.8 3.70 1.67
2.89 YES
L0033851 0 0.48420E-06 463358.4 3775685.8 421.8 3.70 1.67
2.89 YES
L0033852 0 0.48420E-06 463354.8 3775685.8 421.8 3.70 1.67
2.89 YES
L0033853 0 0.48420E-06 463351.2 3775685.8 421.9 3.70 1.67
2.89 YES
L0033854 0 0.48420E-06 463347.6 3775685.8 421.9 3.70 1.67
2.89 YES
L0033855 0 0.48420E-06 463344.0 3775685.8 421.9 3.70 1.67
2.89 YES
L0033856 0 0.48420E-06 463340.4 3775685.8 422.0 3.70 1.67
2.89 YES
L0033857 0 0.48420E-06 463336.8 3775685.9 422.0 3.70 1.67
2.89 YES
L0033858 0 0.48420E-06 463333.2 3775685.9 422.0 3.70 1.67
2.89 YES
L0033859 0 0.48420E-06 463329.6 3775685.9 422.1 3.70 1.67
2.89 YES
L0033860 0 0.48420E-06 463326.0 3775685.9 422.1 3.70 1.67
2.89 YES
L0033861 0 0.48420E-06 463322.4 3775685.9 422.1 3.70 1.67
2.89 YES
L0033862 0 0.48420E-06 463318.8 3775685.9 422.1 3.70 1.67
2.89 YES
L0033863 0 0.48420E-06 463315.2 3775685.9 422.2 3.70 1.67
2.89 YES
L0033864 0 0.48420E-06 463311.6 3775686.0 422.2 3.70 1.67
2.89 YES
L0033865 0 0.48420E-06 463308.0 3775686.0 422.2 3.70 1.67
2.89 YES
L0033866 0 0.48420E-06 463304.4 3775686.0 422.2 3.70 1.67
2.89 YES
L0033867 0 0.48420E-06 463300.8 3775686.0 422.2 3.70 1.67
2.89 YES
L0033868 0 0.48420E-06 463297.2 3775686.0 422.3 3.70 1.67
2.89 YES
L0033869 0 0.48420E-06 463293.6 3775686.0 422.3 3.70 1.67
2.89 YES
L0033870 0 0.48420E-06 463290.0 3775686.0 422.3 3.70 1.67

2.89 YES
L0033871 0 0.48420E-06 463286.4 3775686.1 422.4 3.70 1.67
2.89 YES
L0033872 0 0.48420E-06 463282.8 3775686.1 422.4 3.70 1.67
2.89 YES
L0033873 0 0.48420E-06 463279.2 3775686.1 422.4 3.70 1.67
2.89 YES
L0033874 0 0.48420E-06 463275.6 3775686.1 422.4 3.70 1.67
2.89 YES
L0033875 0 0.48420E-06 463272.0 3775686.1 422.5 3.70 1.67
2.89 YES
L0033876 0 0.48420E-06 463268.4 3775686.1 422.5 3.70 1.67
2.89 YES
L0033877 0 0.48420E-06 463264.8 3775686.1 422.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0033878	0	0.48420E-06	463261.2	3775686.2	422.5	3.70	1.67	2.89	YES	
L0033879	0	0.48420E-06	463257.6	3775686.2	422.6	3.70	1.67	2.89	YES	
L0033880	0	0.48420E-06	463254.0	3775686.2	422.6	3.70	1.67	2.89	YES	
L0033881	0	0.48420E-06	463250.4	3775686.2	422.6	3.70	1.67	2.89	YES	
L0033882	0	0.48420E-06	463246.8	3775686.2	422.6	3.70	1.67	2.89	YES	
L0033883	0	0.48420E-06	463243.2	3775686.2	422.7	3.70	1.67	2.89	YES	
L0033884	0	0.48420E-06	463239.6	3775686.2	422.7	3.70	1.67	2.89	YES	
L0033885	0	0.48420E-06	463236.0	3775686.3	422.7	3.70	1.67			

2.89 YES
L0033886 0 0.48420E-06 463232.4 3775686.3 422.8 3.70 1.67
2.89 YES
L0033887 0 0.48420E-06 463228.8 3775686.3 422.8 3.70 1.67
2.89 YES
L0033888 0 0.48420E-06 463225.2 3775686.3 422.8 3.70 1.67
2.89 YES
L0033889 0 0.48420E-06 463221.6 3775686.3 422.8 3.70 1.67
2.89 YES
L0033890 0 0.48420E-06 463218.0 3775686.3 422.9 3.70 1.67
2.89 YES
L0033891 0 0.48420E-06 463214.4 3775686.3 422.9 3.70 1.67
2.89 YES
L0033892 0 0.48420E-06 463210.8 3775686.4 422.9 3.70 1.67
2.89 YES
L0033893 0 0.48420E-06 463207.2 3775686.4 422.9 3.70 1.67
2.89 YES
L0033894 0 0.48420E-06 463203.6 3775686.4 422.9 3.70 1.67
2.89 YES
L0033895 0 0.48420E-06 463200.0 3775686.4 422.9 3.70 1.67
2.89 YES
L0033896 0 0.48420E-06 463196.4 3775686.4 422.9 3.70 1.67
2.89 YES
L0033897 0 0.48420E-06 463192.8 3775686.4 422.9 3.70 1.67
2.89 YES
L0033898 0 0.48420E-06 463189.2 3775686.4 423.0 3.70 1.67
2.89 YES
L0033899 0 0.48420E-06 463185.6 3775686.5 423.0 3.70 1.67
2.89 YES
L0033900 0 0.48420E-06 463182.0 3775686.5 423.0 3.70 1.67
2.89 YES
L0033901 0 0.48420E-06 463178.4 3775686.5 423.0 3.70 1.67
2.89 YES
L0033902 0 0.48420E-06 463174.8 3775686.5 423.0 3.70 1.67
2.89 YES
L0033903 0 0.48420E-06 463171.2 3775686.5 423.0 3.70 1.67
2.89 YES
L0033904 0 0.48420E-06 463167.6 3775686.5 423.0 3.70 1.67
2.89 YES
L0033905 0 0.48420E-06 463164.0 3775686.5 423.0 3.70 1.67
2.89 YES
L0033906 0 0.48420E-06 463160.4 3775686.6 423.0 3.70 1.67
2.89 YES
L0033907 0 0.48420E-06 463156.8 3775686.6 423.0 3.70 1.67
2.89 YES
L0033908 0 0.48420E-06 463153.2 3775686.6 423.0 3.70 1.67
2.89 YES
L0033909 0 0.48420E-06 463149.6 3775686.6 423.0 3.70 1.67
2.89 YES
L0033910 0 0.48420E-06 463146.0 3775686.6 423.0 3.70 1.67

2.89 YES
L0033911 0 0.48420E-06 463142.4 3775686.6 423.0 3.70 1.67
2.89 YES
L0033912 0 0.48420E-06 463138.8 3775686.6 423.1 3.70 1.67
2.89 YES
L0033913 0 0.48420E-06 463135.2 3775686.7 423.1 3.70 1.67
2.89 YES
L0033914 0 0.48420E-06 463131.6 3775686.7 423.1 3.70 1.67
2.89 YES
L0033915 0 0.48420E-06 463128.0 3775686.7 423.1 3.70 1.67
2.89 YES
L0033916 0 0.48420E-06 463124.4 3775686.7 423.1 3.70 1.67
2.89 YES
L0033917 0 0.48420E-06 463120.8 3775686.7 423.1 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033918	0	0.48420E-06	463117.2	3775686.7	423.1	3.70	1.67	2.89	YES	
L0033919	0	0.48420E-06	463113.6	3775686.7	423.2	3.70	1.67	2.89	YES	
L0033920	0	0.48420E-06	463110.0	3775686.8	423.2	3.70	1.67	2.89	YES	
L0033921	0	0.48420E-06	463106.4	3775686.8	423.2	3.70	1.67	2.89	YES	
L0033922	0	0.48420E-06	463102.8	3775686.8	423.3	3.70	1.67	2.89	YES	
L0033923	0	0.48420E-06	463099.2	3775686.8	423.3	3.70	1.67	2.89	YES	
L0033924	0	0.48420E-06	463095.6	3775686.8	423.3	3.70	1.67	2.89	YES	
L0033925	0	0.48420E-06	463092.0	3775686.8	423.3	3.70	1.67			

2.89 YES
L0033926 0 0.48420E-06 463088.4 3775686.8 423.4 3.70 1.67
2.89 YES
L0033927 0 0.48420E-06 463084.8 3775686.9 423.4 3.70 1.67
2.89 YES
L0033928 0 0.48420E-06 463081.2 3775686.9 423.4 3.70 1.67
2.89 YES
L0033929 0 0.48420E-06 463077.6 3775686.9 423.4 3.70 1.67
2.89 YES
L0033930 0 0.48420E-06 463074.0 3775686.9 423.5 3.70 1.67
2.89 YES
L0033931 0 0.48420E-06 463070.4 3775686.9 423.5 3.70 1.67
2.89 YES
L0033932 0 0.48420E-06 463066.8 3775686.9 423.5 3.70 1.67
2.89 YES
L0033933 0 0.48420E-06 463063.2 3775686.9 423.6 3.70 1.67
2.89 YES
L0033934 0 0.48420E-06 463059.6 3775687.0 423.6 3.70 1.67
2.89 YES
L0033935 0 0.48420E-06 463056.0 3775687.0 423.6 3.70 1.67
2.89 YES
L0033936 0 0.48420E-06 463052.4 3775687.0 423.6 3.70 1.67
2.89 YES
L0033937 0 0.48420E-06 463048.8 3775687.0 423.7 3.70 1.67
2.89 YES
L0033938 0 0.48420E-06 463045.2 3775687.0 423.7 3.70 1.67
2.89 YES
L0033939 0 0.48420E-06 463041.6 3775687.0 423.7 3.70 1.67
2.89 YES
L0033940 0 0.48420E-06 463038.0 3775687.0 423.7 3.70 1.67
2.89 YES
L0033941 0 0.48420E-06 463034.4 3775687.1 423.7 3.70 1.67
2.89 YES
L0033942 0 0.48420E-06 463030.8 3775687.1 423.7 3.70 1.67
2.89 YES
L0033943 0 0.48420E-06 463027.2 3775687.1 423.7 3.70 1.67
2.89 YES
L0033944 0 0.48420E-06 463023.6 3775687.1 423.7 3.70 1.67
2.89 YES
L0033945 0 0.48420E-06 463020.0 3775687.2 423.8 3.70 1.67
2.89 YES
L0033946 0 0.48420E-06 463016.4 3775687.2 423.8 3.70 1.67
2.89 YES
L0033947 0 0.48420E-06 463012.8 3775687.3 423.9 3.70 1.67
2.89 YES
L0033948 0 0.48420E-06 463009.2 3775687.3 423.9 3.70 1.67
2.89 YES
L0033949 0 0.48420E-06 463005.6 3775687.3 424.0 3.70 1.67
2.89 YES
L0033950 0 0.48420E-06 463002.0 3775687.4 424.0 3.70 1.67

2.89   YES
 L0033951   0   0.48420E-06 462998.4 3775687.4   424.1   3.70   1.67
2.89   YES
 L0033952   0   0.48420E-06 462994.8 3775687.4   424.1   3.70   1.67
2.89   YES
 L0033953   0   0.48420E-06 462991.2 3775687.5   424.1   3.70   1.67
2.89   YES
 L0033954   0   0.48420E-06 462987.6 3775687.5   424.1   3.70   1.67
2.89   YES
 L0033955   0   0.48420E-06 462984.0 3775687.6   424.1   3.70   1.67
2.89   YES
 L0033956   0   0.48420E-06 462980.4 3775687.6   424.1   3.70   1.67
2.89   YES
 L0033957   0   0.48420E-06 462976.8 3775687.6   424.1   3.70   1.67
2.89   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0033958   0   0.48420E-06 462973.2 3775687.7   424.1   3.70   1.67
2.89   YES
 L0033959   0   0.48420E-06 462969.6 3775687.7   424.2   3.70   1.67
2.89   YES
 L0033960   0   0.48420E-06 462966.0 3775687.7   424.2   3.70   1.67
2.89   YES
 L0033961   0   0.48420E-06 462962.4 3775687.8   424.3   3.70   1.67
2.89   YES
 L0033962   0   0.48420E-06 462958.8 3775687.8   424.3   3.70   1.67
2.89   YES
 L0033963   0   0.48420E-06 462955.2 3775687.8   424.4   3.70   1.67
2.89   YES
 L0033964   0   0.48420E-06 462951.6 3775687.9   424.4   3.70   1.67
2.89   YES
 L0033965   0   0.48420E-06 462948.0 3775687.9   424.4   3.70   1.67

2.89 YES
L0033966 0 0.48420E-06 462944.4 3775688.0 424.5 3.70 1.67
2.89 YES
L0033967 0 0.48420E-06 462940.8 3775688.0 424.5 3.70 1.67
2.89 YES
L0033968 0 0.48420E-06 462937.2 3775688.0 424.6 3.70 1.67
2.89 YES
L0033969 0 0.48420E-06 462933.6 3775688.1 424.6 3.70 1.67
2.89 YES
L0033970 0 0.48420E-06 462930.0 3775688.1 424.6 3.70 1.67
2.89 YES
L0033971 0 0.48420E-06 462926.4 3775688.1 424.7 3.70 1.67
2.89 YES
L0033972 0 0.48420E-06 462922.8 3775688.2 424.7 3.70 1.67
2.89 YES
L0033973 0 0.48420E-06 462919.2 3775688.2 424.7 3.70 1.67
2.89 YES
L0033974 0 0.48420E-06 462915.6 3775688.2 424.7 3.70 1.67
2.89 YES
L0033975 0 0.48420E-06 462912.0 3775688.3 424.8 3.70 1.67
2.89 YES
L0033976 0 0.48420E-06 462908.4 3775688.3 424.8 3.70 1.67
2.89 YES
L0033977 0 0.48420E-06 462904.8 3775688.4 424.8 3.70 1.67
2.89 YES
L0033978 0 0.48420E-06 462901.2 3775688.4 424.8 3.70 1.67
2.89 YES
L0033979 0 0.48420E-06 462897.6 3775688.4 424.8 3.70 1.67
2.89 YES
L0033980 0 0.48420E-06 462894.0 3775688.5 424.8 3.70 1.67
2.89 YES
L0033981 0 0.48420E-06 462890.4 3775688.5 424.8 3.70 1.67
2.89 YES
L0033982 0 0.48420E-06 462886.8 3775688.5 424.8 3.70 1.67
2.89 YES
L0033983 0 0.48420E-06 462883.2 3775688.6 424.8 3.70 1.67
2.89 YES
L0033984 0 0.48420E-06 462879.6 3775688.6 424.8 3.70 1.67
2.89 YES
L0033985 0 0.48420E-06 462876.0 3775688.6 424.9 3.70 1.67
2.89 YES
L0033986 0 0.48420E-06 462872.4 3775688.7 424.9 3.70 1.67
2.89 YES
L0033987 0 0.48420E-06 462868.8 3775688.7 424.9 3.70 1.67
2.89 YES
L0033988 0 0.48420E-06 462865.2 3775688.8 424.9 3.70 1.67
2.89 YES
L0033989 0 0.48420E-06 462861.6 3775688.8 424.9 3.70 1.67
2.89 YES
L0033990 0 0.48420E-06 462858.0 3775688.8 424.9 3.70 1.67

2.89 YES
L0033991 0 0.48420E-06 462854.4 3775688.9 424.9 3.70 1.67
2.89 YES
L0033992 0 0.48420E-06 462850.8 3775688.9 424.9 3.70 1.67
2.89 YES
L0033993 0 0.48420E-06 462847.2 3775688.9 424.9 3.70 1.67
2.89 YES
L0033994 0 0.48420E-06 462843.6 3775689.0 424.9 3.70 1.67
2.89 YES
L0033995 0 0.48420E-06 462840.0 3775689.0 424.9 3.70 1.67
2.89 YES
L0033996 0 0.48420E-06 462836.4 3775689.0 425.0 3.70 1.67
2.89 YES
L0033997 0 0.48420E-06 462832.8 3775689.1 425.0 3

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033998	0	0.48420E-06	462829.2	3775689.1	425.0	3.70	1.67	2.89	YES	
L0033999	0	0.48420E-06	462825.6	3775689.1	425.0	3.70	1.67	2.89	YES	
L0034000	0	0.48420E-06	462822.0	3775689.1	425.0	3.70	1.67	2.89	YES	
L0034001	0	0.48420E-06	462818.4	3775689.0	425.0	3.70	1.67	2.89	YES	
L0034002	0	0.48420E-06	462814.8	3775689.0	425.0	3.70	1.67	2.89	YES	
L0034003	0	0.48420E-06	462811.2	3775689.0	425.0	3.70	1.67	2.89	YES	
L0034004	0	0.48420E-06	462807.6	3775689.0	425.1	3.70	1.67	2.89	YES	
L0034005	0	0.48420E-06	462804.0	3775689.0	425.1	3.70	1.67			

2.89 YES
L0034006 0 0.48420E-06 462800.4 3775689.0 425.1 3.70 1.67
2.89 YES
L0034007 0 0.48420E-06 462796.8 3775689.0 425.1 3.70 1.67
2.89 YES
L0034008 0 0.48420E-06 462793.2 3775689.0 425.1 3.70 1.67
2.89 YES
L0034009 0 0.48420E-06 462789.6 3775688.9 425.1 3.70 1.67
2.89 YES
L0034010 0 0.48420E-06 462786.0 3775688.9 425.1 3.70 1.67
2.89 YES
L0034011 0 0.48420E-06 462782.4 3775688.9 425.1 3.70 1.67
2.89 YES
L0034012 0 0.48420E-06 462778.8 3775688.9 425.1 3.70 1.67
2.89 YES
L0034013 0 0.48420E-06 462775.2 3775688.9 425.2 3.70 1.67
2.89 YES
L0034014 0 0.48420E-06 462771.6 3775688.9 425.2 3.70 1.67
2.89 YES
L0034015 0 0.48420E-06 462768.0 3775688.9 425.2 3.70 1.67
2.89 YES
L0034016 0 0.48420E-06 462764.4 3775688.9 425.2 3.70 1.67
2.89 YES
L0034017 0 0.48420E-06 462760.8 3775688.9 425.2 3.70 1.67
2.89 YES
L0034018 0 0.48420E-06 462757.2 3775688.8 425.2 3.70 1.67
2.89 YES
L0034019 0 0.48420E-06 462753.6 3775688.8 425.2 3.70 1.67
2.89 YES
L0034020 0 0.48420E-06 462750.0 3775688.8 425.2 3.70 1.67
2.89 YES
L0034021 0 0.48420E-06 462746.4 3775688.8 425.2 3.70 1.67
2.89 YES
L0034022 0 0.48420E-06 462742.8 3775688.8 425.2 3.70 1.67
2.89 YES
L0034023 0 0.48420E-06 462739.2 3775688.8 425.2 3.70 1.67
2.89 YES
L0034024 0 0.48420E-06 462735.6 3775688.8 425.3 3.70 1.67
2.89 YES
L0034025 0 0.48420E-06 462732.0 3775688.8 425.3 3.70 1.67
2.89 YES
L0034026 0 0.48420E-06 462728.4 3775688.7 425.3 3.70 1.67
2.89 YES
L0034027 0 0.48420E-06 462724.8 3775688.7 425.3 3.70 1.67
2.89 YES
L0034028 0 0.48420E-06 462721.2 3775688.7 425.4 3.70 1.67
2.89 YES
L0034029 0 0.48420E-06 462717.6 3775688.7 425.4 3.70 1.67
2.89 YES
L0034030 0 0.48420E-06 462714.0 3775688.7 425.4 3.70 1.67

2.89 YES
L0034031 0 0.48420E-06 462710.4 3775688.7 425.4 3.70 1.67
2.89 YES
L0034032 0 0.48420E-06 462706.8 3775688.7 425.5 3.70 1.67
2.89 YES
L0034033 0 0.48420E-06 462703.2 3775688.7 425.5 3.70 1.67
2.89 YES
L0034034 0 0.48420E-06 462699.6 3775688.6 425.6 3.70 1.67
2.89 YES
L0034035 0 0.48420E-06 462696.0 3775688.6 425.6 3.70 1.67
2.89 YES
L0034036 0 0.48420E-06 462692.4 3775688.6 425.7 3.70 1.67
2.89 YES
L0034037 0 0.48420E-06 462688.8 3775688.6 425.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0034038	0	0.48420E-06	462685.2	3775688.6	425.8	3.70	1.67	2.89	YES	
L0034039	0	0.48420E-06	462681.6	3775688.6	425.8	3.70	1.67	2.89	YES	
L0034040	0	0.48420E-06	462678.0	3775688.6	425.8	3.70	1.67	2.89	YES	
L0034041	0	0.48420E-06	462674.4	3775688.6	425.9	3.70	1.67	2.89	YES	
L0034042	0	0.48420E-06	462670.8	3775688.5	425.9	3.70	1.67	2.89	YES	
L0034043	0	0.48420E-06	462667.2	3775688.5	425.9	3.70	1.67	2.89	YES	
L0034044	0	0.48420E-06	462663.6	3775688.5	426.0	3.70	1.67	2.89	YES	
L0034045	0	0.48420E-06	462660.0	3775688.5	426.0	3.70	1.67			

2.89 YES
L0034046 0 0.48420E-06 462656.4 3775688.5 426.0 3.70 1.67
2.89 YES
L0034047 0 0.48420E-06 462652.8 3775688.5 426.1 3.70 1.67
2.89 YES
L0034048 0 0.48420E-06 462649.2 3775688.5 426.1 3.70 1.67
2.89 YES
L0034049 0 0.48420E-06 462645.6 3775688.5 426.1 3.70 1.67
2.89 YES
L0034050 0 0.48420E-06 462642.0 3775688.4 426.1 3.70 1.67
2.89 YES
L0034051 0 0.48420E-06 462638.4 3775688.4 426.1 3.70 1.67
2.89 YES
L0034052 0 0.48420E-06 462634.8 3775688.4 426.2 3.70 1.67
2.89 YES
L0034053 0 0.48420E-06 462631.2 3775688.4 426.2 3.70 1.67
2.89 YES
L0034054 0 0.48420E-06 462627.6 3775688.4 426.2 3.70 1.67
2.89 YES
L0034055 0 0.48420E-06 462624.0 3775688.5 426.2 3.70 1.67
2.89 YES
L0034056 0 0.48420E-06 462620.4 3775688.5 426.2 3.70 1.67
2.89 YES
L0034057 0 0.48420E-06 462616.8 3775688.5 426.2 3.70 1.67
2.89 YES
L0034058 0 0.48420E-06 462613.2 3775688.5 426.2 3.70 1.67
2.89 YES
L0034059 0 0.48420E-06 462609.6 3775688.5 426.2 3.70 1.67
2.89 YES
L0034060 0 0.48420E-06 462606.0 3775688.5 426.3 3.70 1.67
2.89 YES
L0034061 0 0.48420E-06 462602.4 3775688.6 426.4 3.70 1.67
2.89 YES
L0034062 0 0.48420E-06 462598.8 3775688.6 426.4 3.70 1.67
2.89 YES
L0034063 0 0.48420E-06 462595.2 3775688.6 426.5 3.70 1.67
2.89 YES
L0034064 0 0.48420E-06 462591.6 3775688.6 426.5 3.70 1.67
2.89 YES
L0034065 0 0.48420E-06 462588.0 3775688.6 426.6 3.70 1.67
2.89 YES
L0034066 0 0.48420E-06 462584.4 3775688.7 426.6 3.70 1.67
2.89 YES
L0034067 0 0.48420E-06 462580.8 3775688.7 426.7 3.70 1.67
2.89 YES
L0034068 0 0.48420E-06 462577.2 3775688.7 426.7 3.70 1.67
2.89 YES
L0034069 0 0.48420E-06 462573.6 3775688.7 426.7 3.70 1.67
2.89 YES
L0034070 0 0.48420E-06 462570.0 3775688.7 426.8 3.70 1.67

2.89 YES
L0034071 0 0.48420E-06 462566.4 3775688.8 426.8 3.70 1.67
2.89 YES
L0034072 0 0.48420E-06 462562.8 3775688.8 426.8 3.70 1.67
2.89 YES
L0034073 0 0.48420E-06 462559.2 3775688.8 426.9 3.70 1.67
2.89 YES
L0034074 0 0.48420E-06 462555.6 3775688.8 426.9 3.70 1.67
2.89 YES
L0034075 0 0.48420E-06 462552.0 3775688.8 426.9 3.70 1.67
2.89 YES
L0034076 0 0.48420E-06 462548.4 3775688.8 426.9 3.70 1.67
2.89 YES
L0034077 0 0.48420E-06 462544.8 3775688.9 426.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034078	0	0.48420E-06	462541.2	3775688.9	426.9	3.70	1.67	2.89	YES	
L0034079	0	0.48420E-06	462537.6	3775688.9	426.9	3.70	1.67	2.89	YES	
L0034080	0	0.48420E-06	462534.0	3775688.9	426.9	3.70	1.67	2.89	YES	
L0034081	0	0.48420E-06	462530.4	3775688.9	427.0	3.70	1.67	2.89	YES	
L0034082	0	0.48420E-06	462526.8	3775689.0	427.0	3.70	1.67	2.89	YES	
L0034083	0	0.48420E-06	462523.2	3775689.0	427.0	3.70	1.67	2.89	YES	
L0034084	0	0.48420E-06	462519.6	3775689.0	427.0	3.70	1.67	2.89	YES	
L0034085	0	0.48420E-06	462516.0	3775689.0	427.0	3.70	1.67			

2.89 YES
L0034086 0 0.48420E-06 462512.4 3775689.0 427.0 3.70 1.67
2.89 YES
L0034087 0 0.48420E-06 462508.8 3775689.1 427.0 3.70 1.67
2.89 YES
L0034088 0 0.48420E-06 462505.2 3775689.1 427.0 3.70 1.67
2.89 YES
L0034089 0 0.48420E-06 462501.6 3775689.1 427.1 3.70 1.67
2.89 YES
L0034090 0 0.48420E-06 462498.0 3775689.1 427.1 3.70 1.67
2.89 YES
L0034091 0 0.48420E-06 462494.4 3775689.1 427.1 3.70 1.67
2.89 YES
L0034092 0 0.48420E-06 462490.8 3775689.2 427.1 3.70 1.67
2.89 YES
L0034093 0 0.48420E-06 462487.2 3775689.2 427.1 3.70 1.67
2.89 YES
L0034094 0 0.48420E-06 462483.6 3775689.2 427.1 3.70 1.67
2.89 YES
L0034095 0 0.48420E-06 462480.0 3775689.2 427.1 3.70 1.67
2.89 YES
L0034096 0 0.48420E-06 462476.4 3775689.2 427.1 3.70 1.67
2.89 YES
L0034097 0 0.48420E-06 462472.8 3775689.2 427.2 3.70 1.67
2.89 YES
L0034098 0 0.48420E-06 462469.2 3775689.3 427.2 3.70 1.67
2.89 YES
L0034099 0 0.48420E-06 462465.6 3775689.3 427.2 3.70 1.67
2.89 YES
L0034100 0 0.48420E-06 462462.0 3775689.3 427.2 3.70 1.67
2.89 YES
L0034101 0 0.48420E-06 462458.4 3775689.3 427.2 3.70 1.67
2.89 YES
L0034102 0 0.48420E-06 462454.8 3775689.3 427.2 3.70 1.67
2.89 YES
L0034103 0 0.48420E-06 462451.2 3775689.4 427.2 3.70 1.67
2.89 YES
L0034104 0 0.48420E-06 462447.6 3775689.4 427.3 3.70 1.67
2.89 YES
L0034105 0 0.48420E-06 462444.0 3775689.4 427.3 3.70 1.67
2.89 YES
L0034106 0 0.48420E-06 462440.4 3775689.4 427.3 3.70 1.67
2.89 YES
L0034107 0 0.48420E-06 462436.8 3775689.4 427.3 3.70 1.67
2.89 YES
L0034108 0 0.48420E-06 462433.2 3775689.5 427.3 3.70 1.67
2.89 YES
L0034109 0 0.48420E-06 462429.6 3775689.5 427.3 3.70 1.67
2.89 YES
L0034110 0 0.48420E-06 462426.0 3775689.5 427.4 3.70 1.67

2.89 YES
L0034111 0 0.48420E-06 462422.4 3775689.5 427.4 3.70 1.67
2.89 YES
L0034112 0 0.48420E-06 462418.8 3775689.5 427.4 3.70 1.67
2.89 YES
L0034113 0 0.48420E-06 462415.2 3775689.5 427.4 3.70 1.67
2.89 YES
L0034114 0 0.48420E-06 462411.6 3775689.6 427.4 3.70 1.67
2.89 YES
L0034115 0 0.48420E-06 462408.0 3775689.6 427.4 3.70 1.67
2.89 YES
L0034116 0 0.48420E-06 462404.4 3775689.6 427.4 3.70 1.67
2.89 YES
L0034117 0 0.48420E-06 462400.8 3775689.6 427.4 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034118	0	0.48420E-06	462397.2	3775689.6	427.4	3.70	1.67	2.89	YES	
L0034119	0	0.48420E-06	462393.6	3775689.7	427.4	3.70	1.67	2.89	YES	
L0034120	0	0.48420E-06	462390.0	3775689.7	427.4	3.70	1.67	2.89	YES	
L0034121	0	0.48420E-06	462386.4	3775689.7	427.4	3.70	1.67	2.89	YES	
L0034122	0	0.48420E-06	462382.8	3775689.7	427.4	3.70	1.67	2.89	YES	
L0034123	0	0.48420E-06	462379.2	3775689.7	427.4	3.70	1.67	2.89	YES	
L0034124	0	0.48420E-06	462375.6	3775689.8	427.4	3.70	1.67	2.89	YES	
L0034125	0	0.48420E-06	462372.0	3775689.8	427.4	3.70	1.67			

2.89 YES
L0034126 0 0.48420E-06 462368.4 3775689.8 427.4 3.70 1.67
2.89 YES
L0034127 0 0.48420E-06 462364.8 3775689.8 427.4 3.70 1.67
2.89 YES
L0034128 0 0.48420E-06 462361.2 3775689.8 427.4 3.70 1.67
2.89 YES
L0034129 0 0.48420E-06 462357.6 3775689.9 427.4 3.70 1.67
2.89 YES
L0034130 0 0.48420E-06 462354.0 3775689.9 427.4 3.70 1.67
2.89 YES
L0034131 0 0.48420E-06 462350.4 3775689.9 427.4 3.70 1.67
2.89 YES
L0034132 0 0.48420E-06 462346.8 3775689.9 427.4 3.70 1.67
2.89 YES
L0034133 0 0.48420E-06 462343.2 3775689.9 427.4 3.70 1.67
2.89 YES
L0034134 0 0.48420E-06 462339.6 3775689.9 427.4 3.70 1.67
2.89 YES
L0034135 0 0.48420E-06 462336.0 3775690.0 427.4 3.70 1.67
2.89 YES
L0034136 0 0.48420E-06 462332.4 3775690.0 427.4 3.70 1.67
2.89 YES
L0034137 0 0.48420E-06 462328.8 3775690.0 427.4 3.70 1.67
2.89 YES
L0034138 0 0.48420E-06 462325.2 3775690.0 427.4 3.70 1.67
2.89 YES
L0034139 0 0.48420E-06 462321.6 3775690.0 427.4 3.70 1.67
2.89 YES
L0034140 0 0.48420E-06 462318.0 3775690.1 427.5 3.70 1.67
2.89 YES
L0034141 0 0.48420E-06 462314.4 3775690.1 427.5 3.70 1.67
2.89 YES
L0034142 0 0.48420E-06 462310.8 3775690.1 427.5 3.70 1.67
2.89 YES
L0034143 0 0.48420E-06 462307.2 3775690.1 427.5 3.70 1.67
2.89 YES
L0034144 0 0.48420E-06 462303.6 3775690.1 427.5 3.70 1.67
2.89 YES
L0034145 0 0.48420E-06 462300.0 3775690.2 427.4 3.70 1.67
2.89 YES
L0034146 0 0.48420E-06 462296.4 3775690.2 427.4 3.70 1.67
2.89 YES
L0034147 0 0.48420E-06 462292.8 3775690.2 427.4 3.70 1.67
2.89 YES
L0034148 0 0.48420E-06 462289.2 3775690.2 427.4 3.70 1.67
2.89 YES
L0034149 0 0.48420E-06 462285.6 3775690.2 427.4 3.70 1.67
2.89 YES
L0034150 0 0.48420E-06 462282.0 3775690.1 427.4 3.70 1.67

2.89 YES
L0034151 0 0.48420E-06 462278.4 3775690.1 427.4 3.70 1.67
2.89 YES
L0034152 0 0.48420E-06 462274.8 3775690.1 427.4 3.70 1.67
2.89 YES
L0034153 0 0.48420E-06 462271.2 3775690.1 427.4 3.70 1.67
2.89 YES
L0034154 0 0.48420E-06 462267.6 3775690.1 427.4 3.70 1.67
2.89 YES
L0034155 0 0.48420E-06 462264.0 3775690.1 427.4 3.70 1.67
2.89 YES
L0034156 0 0.48420E-06 462260.4 3775690.1 427.4 3.70 1.67
2.89 YES
L0034157 0 0.48420E-06 462256.8 3775690.1 427.3 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034158	0	0.48420E-06	462253.2	3775690.1	427.4	3.70	1.67	2.89	YES	
L0034159	0	0.48420E-06	462249.6	3775690.1	427.4	3.70	1.67	2.89	YES	
L0034160	0	0.48420E-06	462246.0	3775690.1	427.4	3.70	1.67	2.89	YES	
L0034161	0	0.48420E-06	462242.4	3775690.0	427.4	3.70	1.67	2.89	YES	
L0034162	0	0.48420E-06	462238.8	3775690.0	427.5	3.70	1.67	2.89	YES	
L0034163	0	0.48420E-06	462235.2	3775690.0	427.5	3.70	1.67	2.89	YES	
L0034164	0	0.48420E-06	462231.6	3775690.0	427.5	3.70	1.67	2.89	YES	
L0034165	0	0.48420E-06	462228.0	3775690.0	427.6	3.70	1.67			

2.89 YES
L0034166 0 0.48420E-06 462224.4 3775690.0 427.7 3.70 1.67
2.89 YES
L0034167 0 0.48420E-06 462220.8 3775690.0 427.7 3.70 1.67
2.89 YES
L0034168 0 0.48420E-06 462217.2 3775690.0 427.8 3.70 1.67
2.89 YES
L0034169 0 0.48420E-06 462213.6 3775690.0 427.9 3.70 1.67
2.89 YES
L0034170 0 0.48420E-06 462210.0 3775690.0 428.0 3.70 1.67
2.89 YES
L0034171 0 0.48420E-06 462206.4 3775690.0 428.0 3.70 1.67
2.89 YES
L0034172 0 0.48420E-06 462202.8 3775689.9 428.1 3.70 1.67
2.89 YES
L0034173 0 0.48420E-06 462199.2 3775689.9 428.2 3.70 1.67
2.89 YES
L0034174 0 0.48420E-06 462195.6 3775689.9 428.3 3.70 1.67
2.89 YES
L0034175 0 0.48420E-06 462192.0 3775689.9 428.3 3.70 1.67
2.89 YES
L0034176 0 0.48420E-06 462188.4 3775689.9 428.4 3.70 1.67
2.89 YES
L0034177 0 0.48420E-06 462184.8 3775689.9 428.5 3.70 1.67
2.89 YES
L0034178 0 0.48420E-06 462181.2 3775689.9 428.6 3.70 1.67
2.89 YES
L0034179 0 0.48420E-06 462177.6 3775689.9 428.6 3.70 1.67
2.89 YES
L0034180 0 0.48420E-06 462174.0 3775689.9 428.6 3.70 1.67
2.89 YES
L0034181 0 0.48420E-06 462170.4 3775689.9 428.6 3.70 1.67
2.89 YES
L0034182 0 0.48420E-06 462166.8 3775689.9 428.5 3.70 1.67
2.89 YES
L0034183 0 0.48420E-06 462163.2 3775689.9 428.5 3.70 1.67
2.89 YES
L0034184 0 0.48420E-06 462159.6 3775689.8 428.5 3.70 1.67
2.89 YES
L0034185 0 0.48420E-06 462156.0 3775689.8 428.5 3.70 1.67
2.89 YES
L0034186 0 0.48420E-06 462152.4 3775689.8 428.4 3.70 1.67
2.89 YES
L0034187 0 0.48420E-06 462148.8 3775689.8 428.5 3.70 1.67
2.89 YES
L0034188 0 0.48420E-06 462145.2 3775689.8 428.5 3.70 1.67
2.89 YES
L0034189 0 0.48420E-06 462141.6 3775689.8 428.5 3.70 1.67
2.89 YES
L0034190 0 0.48420E-06 462138.0 3775689.8 428.5 3.70 1.67

2.89 YES
L0034191 0 0.48420E-06 462134.4 3775689.8 428.5 3.70 1.67
2.89 YES
L0034192 0 0.48420E-06 462130.8 3775689.8 428.5 3.70 1.67
2.89 YES
L0034193 0 0.48420E-06 462127.2 3775689.8 428.5 3.70 1.67
2.89 YES
L0034194 0 0.48420E-06 462123.6 3775689.8 428.5 3.70 1.67
2.89 YES
L0034195 0 0.48420E-06 462120.0 3775689.7 428.5 3.70 1.67
2.89 YES
L0034196 0 0.48420E-06 462116.4 3775689.7 428.5 3.70 1.67
2.89 YES
L0034197 0 0.48420E-06 462112.8 3775689.7 428.5 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034198	0	0.48420E-06	462109.2	3775689.7	428.5	3.70	1.67	2.89	YES	
L0034199	0	0.48420E-06	462105.6	3775689.7	428.5	3.70	1.67	2.89	YES	
L0034200	0	0.48420E-06	462102.0	3775689.7	428.6	3.70	1.67	2.89	YES	
L0034201	0	0.48420E-06	462098.4	3775689.7	428.6	3.70	1.67	2.89	YES	
L0034202	0	0.48420E-06	462094.8	3775689.7	428.6	3.70	1.67	2.89	YES	
L0034203	0	0.48420E-06	462091.2	3775689.7	428.6	3.70	1.67	2.89	YES	
L0034204	0	0.48420E-06	462087.6	3775689.7	428.6	3.70	1.67	2.89	YES	
L0034205	0	0.48420E-06	462084.0	3775689.7	428.6	3.70	1.67			

2.89 YES
L0034206 0 0.48420E-06 462080.4 3775689.7 428.6 3.70 1.67
2.89 YES
L0034207 0 0.48420E-06 462076.8 3775689.6 428.6 3.70 1.67
2.89 YES
L0034208 0 0.48420E-06 462073.2 3775689.6 428.6 3.70 1.67
2.89 YES
L0034209 0 0.48420E-06 462069.6 3775689.6 428.6 3.70 1.67
2.89 YES
L0034210 0 0.48420E-06 462066.0 3775689.6 428.6 3.70 1.67
2.89 YES
L0034211 0 0.48420E-06 462062.4 3775689.6 428.7 3.70 1.67
2.89 YES
L0034212 0 0.48420E-06 462058.8 3775689.6 428.7 3.70 1.67
2.89 YES
L0034213 0 0.48420E-06 462055.2 3775689.6 428.7 3.70 1.67
2.89 YES
L0034214 0 0.48420E-06 462051.6 3775689.6 428.7 3.70 1.67
2.89 YES
L0034215 0 0.48420E-06 462048.0 3775689.6 428.7 3.70 1.67
2.89 YES
L0034216 0 0.48420E-06 462044.4 3775689.6 428.7 3.70 1.67
2.89 YES
L0034217 0 0.48420E-06 462040.8 3775689.6 428.7 3.70 1.67
2.89 YES
L0034218 0 0.48420E-06 462037.2 3775689.5 428.7 3.70 1.67
2.89 YES
L0034219 0 0.48420E-06 462033.6 3775689.5 428.7 3.70 1.67
2.89 YES
L0034220 0 0.48420E-06 462030.0 3775689.5 428.7 3.70 1.67
2.89 YES
L0034221 0 0.48420E-06 462026.4 3775689.5 428.7 3.70 1.67
2.89 YES
L0034222 0 0.48420E-06 462022.8 3775689.5 428.7 3.70 1.67
2.89 YES
L0034223 0 0.48420E-06 462019.2 3775689.5 428.7 3.70 1.67
2.89 YES
L0034224 0 0.48420E-06 462015.6 3775689.5 428.7 3.70 1.67
2.89 YES
L0034225 0 0.48420E-06 462012.0 3775689.5 428.7 3.70 1.67
2.89 YES
L0034226 0 0.48420E-06 462008.4 3775689.5 428.7 3.70 1.67
2.89 YES
L0034227 0 0.48420E-06 462004.8 3775689.5 428.7 3.70 1.67
2.89 YES
L0034228 0 0.48420E-06 462001.2 3775689.5 428.7 3.70 1.67
2.89 YES
L0034229 0 0.48420E-06 461997.6 3775689.4 428.8 3.70 1.67
2.89 YES
L0034230 0 0.48420E-06 461994.0 3775689.4 428.8 3.70 1.67

2.89 YES
L0034231 0 0.48420E-06 461990.4 3775689.4 428.9 3.70 1.67
2.89 YES
L0034232 0 0.48420E-06 461986.8 3775689.3 428.9 3.70 1.67
2.89 YES
L0034233 0 0.48420E-06 461983.2 3775689.3 429.0 3.70 1.67
2.89 YES
L0034234 0 0.48420E-06 461979.6 3775689.3 429.1 3.70 1.67
2.89 YES
L0034235 0 0.48420E-06 461976.0 3775689.2 429.1 3.70 1.67
2.89 YES
L0034236 0 0.48420E-06 461972.4 3775689.2 429.2 3.70 1.67
2.89 YES
L0034237 0 0.48420E-06 461968.8 3775689.2 429.2 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034238	0	0.48420E-06	461965.2	3775689.1	429.3	3.70	1.67	2.89	YES	
L0034239	0	0.48420E-06	461961.6	3775689.1	429.3	3.70	1.67	2.89	YES	
L0034240	0	0.48420E-06	461958.0	3775689.1	429.4	3.70	1.67	2.89	YES	
L0034241	0	0.48420E-06	461954.4	3775689.0	429.4	3.70	1.67	2.89	YES	
L0034242	0	0.48420E-06	461950.8	3775689.0	429.5	3.70	1.67	2.89	YES	
L0034243	0	0.48420E-06	461947.2	3775689.0	429.5	3.70	1.67	2.89	YES	
L0034244	0	0.48420E-06	461943.6	3775688.9	429.6	3.70	1.67	2.89	YES	
L0034245	0	0.48420E-06	461940.0	3775688.9	429.6	3.70	1.67			

2.89 YES
L0034246 0 0.48420E-06 461936.4 3775688.8 429.6 3.70 1.67
2.89 YES
L0034247 0 0.48420E-06 461932.8 3775688.8 429.6 3.70 1.67
2.89 YES
L0034248 0 0.48420E-06 461929.2 3775688.8 429.6 3.70 1.67
2.89 YES
L0034249 0 0.48420E-06 461925.6 3775688.7 429.6 3.70 1.67
2.89 YES
L0034250 0 0.48420E-06 461922.0 3775688.7 429.6 3.70 1.67
2.89 YES
L0034251 0 0.48420E-06 461918.4 3775688.7 429.6 3.70 1.67
2.89 YES
L0034252 0 0.48420E-06 461914.8 3775688.6 429.6 3.70 1.67
2.89 YES
L0034253 0 0.48420E-06 461911.2 3775688.6 429.6 3.70 1.67
2.89 YES
L0034254 0 0.48420E-06 461907.6 3775688.6 429.6 3.70 1.67
2.89 YES
L0034255 0 0.48420E-06 461904.0 3775688.5 429.6 3.70 1.67
2.89 YES
L0034256 0 0.48420E-06 461900.4 3775688.5 429.6 3.70 1.67
2.89 YES
L0034257 0 0.48420E-06 461896.8 3775688.5 429.6 3.70 1.67
2.89 YES
L0034258 0 0.48420E-06 461893.2 3775688.4 429.6 3.70 1.67
2.89 YES
L0034259 0 0.48420E-06 461889.6 3775688.4 429.6 3.70 1.67
2.89 YES
L0034260 0 0.48420E-06 461886.0 3775688.4 429.7 3.70 1.67
2.89 YES
L0034261 0 0.48420E-06 461882.4 3775688.5 429.7 3.70 1.67
2.89 YES
L0034262 0 0.48420E-06 461878.8 3775688.5 429.7 3.70 1.67
2.89 YES
L0034263 0 0.48420E-06 461875.2 3775688.5 429.7 3.70 1.67
2.89 YES
L0034264 0 0.48420E-06 461871.6 3775688.5 429.7 3.70 1.67
2.89 YES
L0034265 0 0.48420E-06 461868.0 3775688.5 429.7 3.70 1.67
2.89 YES
L0034266 0 0.48420E-06 461864.4 3775688.5 429.7 3.70 1.67
2.89 YES
L0034267 0 0.48420E-06 461860.8 3775688.6 429.7 3.70 1.67
2.89 YES
L0034268 0 0.48420E-06 461857.2 3775688.6 429.6 3.70 1.67
2.89 YES
L0034269 0 0.48420E-06 461853.6 3775688.6 429.6 3.70 1.67
2.89 YES
L0034270 0 0.48420E-06 461850.0 3775688.6 429.6 3.70 1.67

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034271	0	0.48420E-06	461846.4	3775688.6	429.6	3.70	1.67	2.89	YES	
L0034272	0	0.48420E-06	461842.8	3775688.6	429.6	3.70	1.67	2.89	YES	
L0034273	0	0.48420E-06	461839.2	3775688.7	429.5	3.70	1.67	2.89	YES	
L0034274	0	0.48420E-06	461835.6	3775688.7	429.5	3.70	1.67	2.89	YES	
L0034275	0	0.48420E-06	461832.0	3775688.7	429.5	3.70	1.67	2.89	YES	
L0034276	0	0.48420E-06	461828.4	3775688.7	429.4	3.70	1.67	2.89	YES	
L0034277	0	0.48420E-06	461824.8	3775688.7	429.4	3.70	1.67	2.89	YES	
L0034278	0	0.48420E-06	461821.2	3775688.7	429.3	3.70	1.67	2.89	YES	
L0034279	0	0.48420E-06	461817.6	3775688.8	429.3	3.70	1.67	2.89	YES	
L0034280	0	0.48420E-06	461814.0	3775688.8	429.3	3.70	1.67	2.89	YES	
L0034281	0	0.48420E-06	461810.4	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034282	0	0.48420E-06	461806.8	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034283	0	0.48420E-06	461803.2	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034284	0	0.48420E-06	461799.6	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034285	0	0.48420E-06	461796.0	3775688.9	429.4	3.70	1.67			

2.89 YES
L0034286 0 0.48420E-06 461792.4 3775688.9 429.4 3.70 1.67
2.89 YES
L0034287 0 0.48420E-06 461788.8 3775688.9 429.4 3.70 1.67
2.89 YES
L0034288 0 0.48420E-06 461785.2 3775688.9 429.4 3.70 1.67
2.89 YES
L0034289 0 0.48420E-06 461781.6 3775688.9 429.5 3.70 1.67
2.89 YES
L0034290 0 0.48420E-06 461778.0 3775688.9 429.5 3.70 1.67
2.89 YES
L0034291 0 0.48420E-06 461774.4 3775689.0 429.5 3.70 1.67
2.89 YES
L0034292 0 0.48420E-06 461770.8 3775689.0 429.5 3.70 1.67
2.89 YES
L0034293 0 0.48420E-06 461767.2 3775689.0 429.5 3.70 1.67
2.89 YES
L0034294 0 0.48420E-06 461763.6 3775689.0 429.5 3.70 1.67
2.89 YES
L0034295 0 0.48420E-06 461760.0 3775689.0 429.5 3.70 1.67
2.89 YES
L0034296 0 0.48420E-06 461756.4 3775689.1 429.5 3.70 1.67
2.89 YES
L0034297 0 0.48420E-06 461752.8 3775689.1 429.5 3.70 1.67
2.89 YES
L0034298 0 0.48420E-06 461749.2 3775689.1 429.5 3.70 1.67
2.89 YES
L0034299 0 0.48420E-06 461745.6 3775689.1 429.5 3.70 1.67
2.89 YES
L0034300 0 0.48420E-06 461742.0 3775689.1 429.5 3.70 1.67
2.89 YES
L0034301 0 0.48420E-06 461738.4 3775689.1 429.5 3.70 1.67
2.89 YES
L0034302 0 0.48420E-06 461734.8 3775689.2 429.5 3.70 1.67
2.89 YES
L0034303 0 0.48420E-06 461731.2 3775689.2 429.5 3.70 1.67
2.89 YES
L0034304 0 0.48420E-06 461727.6 3775689.2 429.5 3.70 1.67
2.89 YES
L0034305 0 0.48420E-06 461724.0 3775689.2 429.5 3.70 1.67
2.89 YES
L0034306 0 0.48420E-06 461720.4 3775689.2 429.5 3.70 1.67
2.89 YES
L0034307 0 0.48420E-06 461716.8 3775689.2 429.5 3.70 1.67
2.89 YES
L0034308 0 0.48420E-06 461713.2 3775689.3 429.5 3.70 1.67
2.89 YES
L0034309 0 0.48420E-06 461709.6 3775689.3 429.5 3.70 1.67
2.89 YES
L0034310 0 0.48420E-06 461706.0 3775689.3 429.5 3.70 1.67

2.89 YES
L0034311 0 0.48420E-06 461702.4 3775689.3 429.6 3.70 1.67
2.89 YES
L0034312 0 0.48420E-06 461698.8 3775689.3 429.6 3.70 1.67
2.89 YES
L0034313 0 0.48420E-06 461695.2 3775689.3 429.6 3.70 1.67
2.89 YES
L0034314 0 0.48420E-06 461691.6 3775689.4 429.6 3.70 1.67
2.89 YES
L0034315 0 0.48420E-06 461688.0 3775689.4 429.6 3.70 1.67
2.89 YES
L0034316 0 0.48420E-06 461684.4 3775689.4 429.7 3.70 1.67
2.89 YES
L0034317 0 0.48420E-06 461680.8 3775689.4 429.7 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034318	0	0.48420E-06	461677.2	3775689.4	429.7	3.70	1.67	2.89	YES	
L0034319	0	0.48420E-06	461673.6	3775689.4	429.8	3.70	1.67	2.89	YES	
L0034320	0	0.48420E-06	461670.0	3775689.5	429.8	3.70	1.67	2.89	YES	
L0034321	0	0.48420E-06	461666.4	3775689.5	429.8	3.70	1.67	2.89	YES	
L0034322	0	0.48420E-06	461662.8	3775689.5	429.8	3.70	1.67	2.89	YES	
L0034323	0	0.48420E-06	461659.2	3775689.5	429.8	3.70	1.67	2.89	YES	
L0034324	0	0.48420E-06	461655.6	3775689.5	429.9	3.70	1.67	2.89	YES	
L0034325	0	0.48420E-06	461652.0	3775689.5	429.9	3.70	1.67			

2.89 YES
L0034326 0 0.48420E-06 461648.4 3775689.6 429.9 3.70 1.67
2.89 YES
L0034327 0 0.48420E-06 461644.8 3775689.6 429.9 3.70 1.67
2.89 YES
L0034328 0 0.48420E-06 461641.2 3775689.6 429.9 3.70 1.67
2.89 YES
L0034329 0 0.48420E-06 461637.6 3775689.6 429.9 3.70 1.67
2.89 YES
L0034330 0 0.48420E-06 461634.0 3775689.6 429.9 3.70 1.67
2.89 YES
L0034331 0 0.48420E-06 461630.4 3775689.6 429.9 3.70 1.67
2.89 YES
L0034332 0 0.48420E-06 461626.8 3775689.7 429.9 3.70 1.67
2.89 YES
L0034333 0 0.48420E-06 461623.2 3775689.7 429.9 3.70 1.67
2.89 YES
L0034334 0 0.48420E-06 461619.6 3775689.7 429.9 3.70 1.67
2.89 YES
L0034335 0 0.48420E-06 461616.0 3775689.7 430.0 3.70 1.67
2.89 YES
L0034336 0 0.48420E-06 461612.4 3775689.7 429.9 3.70 1.67
2.89 YES
L0034337 0 0.48420E-06 461608.8 3775689.8 429.9 3.70 1.67
2.89 YES
L0034338 0 0.48420E-06 461605.2 3775689.8 429.9 3.70 1.67
2.89 YES
L0034339 0 0.48420E-06 461601.6 3775689.8 429.9 3.70 1.67
2.89 YES
L0034340 0 0.48420E-06 461598.0 3775689.8 429.9 3.70 1.67
2.89 YES
L0034341 0 0.48420E-06 461594.4 3775689.8 429.9 3.70 1.67
2.89 YES
L0034342 0 0.48420E-06 461590.8 3775689.8 429.9 3.70 1.67
2.89 YES
L0034343 0 0.48420E-06 461587.2 3775689.9 429.9 3.70 1.67
2.89 YES
L0034344 0 0.48420E-06 461583.6 3775689.9 429.9 3.70 1.67
2.89 YES
L0034345 0 0.48420E-06 461580.0 3775689.9 429.9 3.70 1.67
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L0034346 0 0.48420E-06 461576.4 3775689.9 429.9 3.70 1.67
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L0034347 0 0.48420E-06 461572.8 3775689.9 429.9 3.70 1.67
2.89 YES
L0034348 0 0.48420E-06 461569.2 3775689.9 429.9 3.70 1.67
2.89 YES
L0034349 0 0.48420E-06 461565.6 3775690.0 429.9 3.70 1.67
2.89 YES
L0034350 0 0.48420E-06 461562.0 3775690.0 429.9 3.70 1.67

2.89 YES
L0034351 0 0.48420E-06 461558.4 3775690.0 429.9 3.70 1.67
2.89 YES
L0034352 0 0.48420E-06 461554.8 3775690.0 429.9 3.70 1.67
2.89 YES
L0034353 0 0.48420E-06 461551.2 3775690.0 429.9 3.70 1.67
2.89 YES
L0034354 0 0.48420E-06 461547.6 3775690.0 429.9 3.70 1.67
2.89 YES
L0034355 0 0.48420E-06 461544.0 3775690.1 429.9 3.70 1.67
2.89 YES
L0034356 0 0.48420E-06 461540.4 3775690.1 429.9 3.70 1.67
2.89 YES
L0034357 0 0.48420E-06 461536.8 3775690.1 429.9 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034358	0	0.48420E-06	461533.2	3775690.1	429.9	3.70	1.67	2.89	YES	
L0034359	0	0.48420E-06	461529.6	3775690.1	429.9	3.70	1.67	2.89	YES	
L0034360	0	0.48420E-06	461526.0	3775690.1	429.9	3.70	1.67	2.89	YES	
L0034361	0	0.48420E-06	461522.4	3775690.2	429.9	3.70	1.67	2.89	YES	
L0034362	0	0.48420E-06	461518.8	3775690.2	429.9	3.70	1.67	2.89	YES	
L0034363	0	0.48420E-06	461515.2	3775690.2	430.0	3.70	1.67	2.89	YES	
L0034364	0	0.48420E-06	461511.6	3775690.2	430.0	3.70	1.67	2.89	YES	
L0034365	0	0.48420E-06	461508.0	3775690.2	430.0	3.70	1.67			

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2.89     YES
 L0034366         0   0.48420E-06  461504.4 3775690.2   430.0     3.70     1.67
2.89     YES
 L0034367         0   0.48420E-06  461500.8 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034368         0   0.48420E-06  461497.2 3775690.3   430.0     3.70     1.67
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 L0034369         0   0.48420E-06  461493.6 3775690.3   430.0     3.70     1.67
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 L0034370         0   0.48420E-06  461490.0 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034371         0   0.48420E-06  461486.5 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034372         0   0.48420E-06  461482.8 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034373         0   0.48420E-06  461479.2 3775690.4   430.0     3.70     1.67
2.89     YES
 L0034374         0   0.48420E-06  461475.6 3775690.4   430.0     3.70     1.67
2.89     YES
 L0034375         0   0.48420E-06  461472.0 3775690.4   430.0     3.70     1.67
2.89     YES
 L0034376         0   0.48420E-06  461468.5 3775690.4   430.1     3.70     1.67
2.89     YES
 L0034377         0   0.48420E-06  461464.8 3775690.4   430.1     3.70     1.67
2.89     YES
 L0034378         0   0.48420E-06  461461.2 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034379         0   0.48420E-06  461457.6 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034380         0   0.48420E-06  461454.0 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034381         0   0.48420E-06  461450.5 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034382         0   0.48420E-06  461446.8 3775690.5   430.2     3.70     1.67
2.89     YES
 L0034383         0   0.48420E-06  461443.2 3775690.5   430.2     3.70     1.67
2.89     YES
 L0034384         0   0.48420E-06  461439.6 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034385         0   0.48420E-06  461436.0 3775690.6   430.2     3.70     1.67
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 L0034386         0   0.48420E-06  461432.5 3775690.6   430.2     3.70     1.67
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 L0034387         0   0.48420E-06  461428.8 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034388         0   0.48420E-06  461425.2 3775690.6   430.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                             ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0034546 , L0034547 , L0034548 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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↟ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:00:55
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:00:55

                                    PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:00:55

                                    PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:00:55

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:00:55

                                    PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                    SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:00:55

                                   PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                              *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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♠ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:00:55

                                  PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP                                  SOURCE IDs
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             L0034493    , L0034494    , L0034495    , L0034496    , L0034497    ,
L0034498    , L0034499    , L0034500    ,

             L0034501    , L0034502    , L0034503    , L0034504    , L0034505    ,
L0034506    , L0034507    , L0034508    ,

             L0034509    , L0034510    , L0034511    , L0034512    , L0034513    ,
L0034514    , L0034515    , L0034516    ,

             L0034517    , L0034518    , L0034519    , L0034520    , L0034521    ,
L0034522    , L0034523    , L0034524    ,

             L0034525    , L0034526    , L0034527    , L0034528    , L0034529    ,
L0034530    , L0034531    , L0034532    ,

             L0034533    , L0034534    , L0034535    , L0034536    , L0034537    ,
L0034538    , L0034539    , L0034540    ,

             L0034541    , L0034542    , L0034543    , L0034544    , L0034545    ,
L0034546    , L0034547    , L0034548    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0034549 , L0034550 , L0034551 , L0034552 , L0034553 , L0034554 , L0034555 , L0034556 ,
		L0034557 , L0034558 , L0034559 , L0034560 , L0034561 , L0034562 , L0034563 , L0034564 ,
		L0034565 , L0034566 , L0034567 , L0034568 , L0034569 , L0034570 , L0034571 , L0034572 ,
		L0034573 , L0034574 , L0034575 , L0034576 , L0034577 , L0034578 , L0034579 , L0034580 ,
		L0034581 , L0034582 , L0034583 , L0034584 , L0034585 , L0034586 , L0034587 , L0034588 ,
		L0034589 , L0034590 , L0034591 , L0034592 , L0034593 , L0034594 , L0034595 , L0034596 ,
		L0034597 , L0034598 , L0034599 , L0034600 , L0034601 , L0034602 , L0034603 , L0034604 ,
		L0034605 , L0034606 , L0034607 , L0034608 , L0034609 , L0034610 , L0034611 , L0034612 ,
		L0034613 , L0034614 , L0034615 , L0034616 , L0034617 , L0034618 , L0034619 , L0034620 ,
		L0034621 , L0034622 , L0034623 , L0034624 , L0034625 , L0034626 , L0034627 , L0034628 ,
		L0034629 , L0034630 , L0034631 , L0034632 , L0034633 , L0034634 , L0034635 , L0034636 ,
		L0034637 , L0034638 , L0034639 , L0034640 , L0034641 , L0034642 , L0034643 , L0034644 ,
		L0034645 , L0034646 , L0034647 , L0034648 , L0034649 , L0034650 , L0034651 , L0034652 ,
		L0034653 , L0034654 , L0034655 , L0034656 , L0034657 ,

L0034658 , L0034659 , L0034660 ,

L0034661 , L0034662 , L0034663 , L0034664 , L0034665 ,
L0034666 , L0034667 , L0034668 ,

L0034669 , L0034670 , L0034671 , L0034672 , L0034673 ,
L0031545 , L0031546 , L0031547 ,

L0031548 , L0031549 , L0031550 , L0031551 , L0031552 ,
L0031553 , L0031554 , L0031555 ,

L0031556 , L0031557 , L0031558 , L0031559 , L0031560 ,
L0031561 , L0031562 , L0031563 ,

L0031564 , L0031565 , L0031566 , L0031567 , L0031568 ,
L0031569 , L0031570 , L0031571 ,

L0031572 , L0031573 , L0031574 , L0031575 , L0031576 ,
L0031577 , L0031578 , L0031579 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0031580 , L0031581 , L0031582 , L0031583 , L0031584 ,
L0031585 , L0031586 , L0031587 ,

L0031588 , L0031589 , L0031590 , L0031591 , L0031592 ,
L0031593 , L0031594 , L0031595 ,

L0031596 , L0031597 , L0031598 , L0031599 , L0031600 ,
L0031601 , L0031602 , L0031603 ,

L0031604 , L0031605 , L0031606 , L0031607 , L0031608 ,
L0031609 , L0031610 , L0031611 ,

L0031612 , L0031613 , L0031614 , L0031615 , L0031616 ,
L0031617 , L0031618 , L0031619 ,

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L0031625    , L0031626    , L0031627    ,

             L0031628    , L0031629    , L0031630    , L0031631    , L0031632    ,
L0031633    , L0031634    , L0031635    ,

             L0031636    , L0031637    , L0031638    , L0031639    , L0031640    ,
L0031641    , L0031642    , L0031643    ,

             L0031644    , L0031645    , L0031646    , L0031647    , L0031648    ,
L0031649    , L0031650    , L0031651    ,

             L0031652    , L0031653    , L0031654    , L0031655    , L0031656    ,
L0031657    , L0031658    , L0031659    ,

             L0031660    , L0031661    , L0031662    , L0031663    , L0031664    ,
L0031665    , L0031666    , L0031667    ,

             L0031668    , L0031669    , L0031670    , L0031671    , L0031672    ,
L0031673    , L0031674    , L0031675    ,

             L0031676    , L0031677    , L0031678    , L0031679    , L0031680    ,
L0031681    , L0031682    , L0031683    ,

             L0031684    , L0031685    , L0031686    , L0031687    , L0031688    ,
L0031689    , L0031690    , L0031691    ,

             L0031692    , L0031693    , L0031694    , L0031695    , L0031696    ,
L0031697    , L0031698    , L0031699    ,

             L0031700    , L0031701    , L0031702    , L0031703    , L0031704    ,
L0031705    , L0031706    , L0031707    ,

             L0031708    , L0031709    , L0031710    , L0031711    , L0031712    ,
L0031713    , L0031714    , L0031715    ,

             L0031716    , L0031717    , L0031718    , L0031719    , L0031720    ,
L0031721    , L0031722    , L0031723    ,

             L0031724    , L0031725    , L0031726    , L0031727    , L0031728    ,
L0031729    , L0031730    , L0031731    ,

             L0031732    , L0031733    , L0031734    , L0031735    , L0031736    ,
L0031737    , L0031738    , L0031739    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0031740 , L0031741 , L0031742 , L0031743 , L0031744 , L0031745 , L0031746 , L0031747 ,
		L0031748 , L0031749 , L0031750 , L0031751 , L0031752 , L0031753 , L0031754 , L0031755 ,
		L0031756 , L0031757 , L0031758 , L0031759 , L0031760 , L0031761 , L0031762 , L0031763 ,
		L0031764 , L0031765 , L0031766 , L0031767 , L0031768 , L0031769 , L0031770 , L0031771 ,
		L0031772 , L0031773 , L0031774 , L0031775 , L0031776 , L0031777 , L0031778 , L0031779 ,
		L0031780 , L0031781 , L0031782 , L0031783 , L0031784 , L0031785 , L0031786 , L0031787 ,
		L0031788 , L0031789 , L0031790 , L0031791 , L0031792 , L0031793 , L0031794 , L0031795 ,
		L0031796 , L0031797 , L0031798 , L0031799 , L0031800 , L0031801 , L0031802 , L0031803 ,
		L0031804 , L0031805 , L0031806 , L0031807 , L0031808 , L0031809 , L0031810 , L0031811 ,
		L0031812 , L0031813 , L0031814 , L0031815 , L0031816 , L0031817 , L0031818 , L0031819 ,
		L0031820 , L0031821 , L0031822 , L0031823 , L0031824 , L0031825 , L0031826 , L0031827 ,
		L0031828 , L0031829 , L0031830 , L0031831 , L0031832 , L0031833 , L0031834 , L0031835 ,
		L0031836 , L0031837 , L0031838 , L0031839 , L0031840 , L0031841 , L0031842 , L0031843 ,
		L0031844 , L0031845 , L0031846 , L0031847 , L0031848 ,

L0031849 , L0031850 , L0031851 ,

L0031852 , L0031853 , L0031854 , L0031855 , L0031856 ,
L0031857 , L0031858 , L0031859 ,

L0031860 , L0031861 , L0031862 , L0031863 , L0031864 ,
L0031865 , L0031866 , L0031867 ,

L0031868 , L0031869 , L0031870 , L0031871 , L0031872 ,
L0031873 , L0031874 , L0031875 ,

L0031876 , L0031877 , L0031878 , L0031879 , L0031880 ,
L0031881 , L0031882 , L0031883 ,

L0031884 , L0031885 , L0031886 , L0031887 , L0031888 ,
L0031889 , L0031890 , L0031891 ,

L0031892 , L0031893 , L0031894 , L0031895 , L0031896 ,
L0031897 , L0031898 , L0031899 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0031900 , L0031901 , L0031902 , L0031903 , L0031904 ,
L0031905 , L0031906 , L0031907 ,

L0031908 , L0031909 , L0031910 , L0031911 , L0031912 ,
L0031913 , L0031914 , L0031915 ,

L0031916 , L0031917 , L0031918 , L0031919 , L0031920 ,
L0031921 , L0031922 , L0031923 ,

L0031924 , L0031925 , L0031926 , L0031927 , L0031928 ,
L0031929 , L0031930 , L0031931 ,

L0031932 , L0031933 , L0031934 , L0031935 , L0031936 ,
L0031937 , L0031938 , L0031939 ,

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L0031945    , L0031946    , L0031947    ,

             L0031948    , L0031949    , L0031950    , L0031951    , L0031952    ,
L0031953    , L0031954    , L0031955    ,

             L0031956    , L0031957    , L0031958    , L0031959    , L0031960    ,
L0031961    , L0031962    , L0031963    ,

             L0031964    , L0031965    , L0031966    , L0031967    , L0031968    ,
L0031969    , L0031970    , L0031971    ,

             L0031972    , L0031973    , L0031974    , L0031975    , L0031976    ,
L0031977    , L0031978    , L0031979    ,

             L0031980    , L0031981    , L0031982    , L0031983    , L0031984    ,
L0031985    , L0031986    , L0031987    ,

             L0031988    , L0031989    , L0031990    , L0031991    , L0031992    ,
L0031993    , L0031994    , L0031995    ,

             L0031996    , L0031997    , L0031998    , L0031999    , L0032000    ,
L0032001    , L0032002    , L0032003    ,

             L0032004    , L0032005    , L0032006    , L0032007    , L0032008    ,
L0032009    , L0032010    , L0032011    ,

             L0032012    , L0032013    , L0032014    , L0032015    , L0032016    ,
L0032017    , L0032018    , L0032019    ,

             L0032020    , L0032021    , L0032022    , L0032023    , L0032024    ,
L0032025    , L0032026    , L0032027    ,

             L0032028    , L0032029    , L0032030    , L0032031    , L0032032    ,
L0032033    , L0032034    , L0032035    ,

             L0032036    , L0032037    , L0032038    , L0032039    , L0032040    ,
L0032041    , L0032042    , L0032043    ,

             L0032044    , L0032045    , L0032046    , L0032047    , L0032048    ,
L0032049    , L0032050    , L0032051    ,

             L0031118    , L0031119    , L0031120    , L0031121    , L0031122    ,
L0031123    , L0031124    , L0031125    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0031126 , L0031127 , L0031128 , L0031129 , L0031130 , L0031131 , L0031132 , L0031133 ,
		L0031134 , L0031135 , L0031136 , L0031137 , L0031138 , L0031139 , L0031140 , L0031141 ,
		L0031142 , L0031143 , L0031144 , L0031145 , L0031146 , L0031147 , L0031148 , L0031149 ,
		L0031150 , L0031151 , L0031152 , L0031153 , L0031154 , L0031155 , L0031156 , L0031157 ,
		L0031158 , L0031159 , L0031160 , L0031161 , L0031162 , L0031163 , L0031164 , L0031165 ,
		L0031166 , L0031167 , L0031168 , L0031169 , L0031170 , L0031171 , L0031172 , L0031173 ,
		L0031174 , L0031175 , L0031176 , L0031177 , L0031178 , L0031179 , L0031180 , L0031181 ,
		L0031182 , L0031183 , L0031184 , L0031185 , L0031186 , L0031187 , L0031188 , L0031189 ,
		L0031190 , L0031191 , L0031192 , L0031193 , L0031194 , L0031195 , L0031196 , L0031197 ,
		L0031198 , L0031199 , L0031200 , L0031201 , L0031202 , L0031203 , L0031204 , L0031205 ,
		L0031206 , L0031207 , L0031208 , L0031209 , L0031210 , L0031211 , L0031212 , L0031213 ,
		L0031214 , L0031215 , L0031216 , L0031217 , L0031218 , L0031219 , L0031220 , L0031221 ,
		L0031222 , L0031223 , L0031224 , L0031225 , L0031226 , L0031227 , L0031228 , L0031229 ,
		L0031230 , L0031231 , L0031232 , L0031233 , L0031234 ,

L0031235 , L0031236 , L0031237 ,

L0031238 , L0031239 , L0031240 , L0031241 , L0031242 ,
L0031243 , L0031244 , L0031245 ,

L0031246 , L0031247 , L0031248 , L0031249 , L0031250 ,
L0031251 , L0031252 , L0031253 ,

L0031254 , L0031255 , L0031256 , L0031257 , L0031258 ,
L0031259 , L0032052 , L0032053 ,

L0032054 , L0032055 , L0032056 , L0032057 , L0032058 ,
L0032059 , L0032060 , L0032061 ,

L0032062 , L0032063 , L0032064 , L0032065 , L0032066 ,
L0032067 , L0032068 , L0032069 ,

L0032070 , L0032071 , L0032072 , L0032073 , L0032074 ,
L0032075 , L0032076 , L0032077 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0032078 , L0032079 , L0032080 , L0032081 , L0032082 ,
L0032083 , L0032084 , L0032085 ,

L0032086 , L0032087 , L0032088 , L0032089 , L0032090 ,
L0032091 , L0032092 , L0032093 ,

L0032094 , L0032095 , L0032096 , L0032097 , L0032098 ,
L0032099 , L0032100 , L0032101 ,

L0032102 , L0032103 , L0032104 , L0032105 , L0032106 ,
L0032107 , L0032108 , L0032109 ,

L0032110 , L0032111 , L0032112 , L0032113 , L0032114 ,
L0032115 , L0032116 , L0032117 ,

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             L0032118    , L0032119    , L0032120    , L0032121    , L0032122    ,
L0032123    , L0032124    , L0032125    ,

             L0032126    , L0032127    , L0032128    , L0032129    , L0032130    ,
L0032131    , L0032132    , L0032133    ,

             L0032134    , L0032135    , L0032136    , L0032137    , L0032138    ,
L0032139    , L0032140    , L0032141    ,

             L0032142    , L0032143    , L0032144    , L0032145    , L0032146    ,
L0032147    , L0032148    , L0032149    ,

             L0032150    , L0032151    , L0032152    , L0032153    , L0032154    ,
L0032155    , L0032156    , L0032157    ,

             L0032158    , L0032159    , L0032160    , L0032161    , L0032162    ,
L0032163    , L0032164    , L0032165    ,

             L0032166    , L0032167    , L0032168    , L0032169    , L0032170    ,
L0032171    , L0032172    , L0032173    ,

             L0032174    , L0032175    , L0032176    , L0032177    , L0032178    ,
L0032179    , L0032180    , L0032181    ,

             L0032182    , L0032183    , L0032184    , L0032185    , L0032186    ,
L0032187    , L0032188    , L0032189    ,

             L0032190    , L0032191    , L0032192    , L0032193    , L0032194    ,
L0032195    , L0032196    , L0032197    ,

             L0032198    , L0032199    , L0032200    , L0032201    , L0032202    ,
L0032203    , L0032204    , L0032205    ,

             L0032206    , L0032207    , L0032208    , L0032209    , L0032210    ,
L0032211    , L0032212    , L0032213    ,

             L0032214    , L0032215    , L0032216    , L0032217    , L0032218    ,
L0032219    , L0032220    , L0032221    ,

             L0032222    , L0032223    , L0032224    , L0032225    , L0032226    ,
L0032227    , L0032228    , L0032229    ,

             L0032230    , L0032231    , L0032232    , L0032233    , L0032234    ,
L0032235    , L0032236    , L0032237    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0032238 , L0032239 , L0032240 , L0032241 , L0032242 , L0032243 , L0032244 , L0032245 ,
		L0032246 , L0032247 , L0032248 , L0032249 , L0032250 , L0032251 , L0032252 , L0032253 ,
		L0032254 , L0032255 , L0032256 , L0032257 , L0032258 , L0032259 , L0032260 , L0032261 ,
		L0032262 , L0032263 , L0032264 , L0032265 , L0032266 , L0032267 , L0032268 , L0032269 ,
		L0032270 , L0032271 , L0032272 , L0032273 , L0032274 , L0032275 , L0032276 , L0032277 ,
		L0032278 , L0032279 , L0032280 , L0032281 , L0032282 , L0032283 , L0032284 , L0032285 ,
		L0032286 , L0032287 , L0032288 , L0032289 , L0032290 , L0032291 , L0032292 , L0032293 ,
		L0032294 , L0032295 , L0032296 , L0032297 , L0032298 , L0032299 , L0032300 , L0032301 ,
		L0032302 , L0032303 , L0032304 , L0032305 , L0032306 , L0032307 , L0032308 , L0032309 ,
		L0032310 , L0032311 , L0032312 , L0032313 , L0032314 , L0032315 , L0032316 , L0032317 ,
		L0032318 , L0032319 , L0032320 , L0032321 , L0032322 , L0032323 , L0032324 , L0032325 ,
		L0032326 , L0032327 , L0032328 , L0032329 , L0032330 , L0032331 , L0032332 , L0032333 ,
		L0032334 , L0032335 , L0032336 , L0032337 , L0032338 , L0032339 , L0032340 , L0032341 ,
		L0032342 , L0032343 , L0032344 , L0032345 , L0032346 ,

L0032347 , L0032348 , L0032349 ,

L0032350 , L0032351 , L0032352 , L0032353 , L0032354 ,
L0032355 , L0032356 , L0032357 ,

L0032358 , L0032359 , L0032360 , L0032361 , L0032362 ,
L0032363 , L0032364 , L0032365 ,

L0032366 , L0032367 , L0032368 , L0032369 , L0032370 ,
L0032371 , L0032372 , L0032373 ,

L0032374 , L0032375 , L0032376 , L0032377 , L0032378 ,
L0032379 , L0032380 , L0032381 ,

L0032382 , L0032383 , L0032384 , L0032385 , L0032386 ,
L0032387 , L0032388 , L0032389 ,

L0032390 , L0032391 , L0032392 , L0032393 , L0032394 ,
L0032395 , L0032396 , L0032397 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0032398 , L0032399 , L0032400 , L0032401 , L0032402 ,
L0032403 , L0032404 , L0032405 ,

L0032406 , L0032407 , L0032408 , L0032409 , L0032410 ,
L0032411 , L0032412 , L0032413 ,

L0032414 , L0032415 , L0032416 , L0032417 , L0032418 ,
L0032419 , L0032420 , L0032421 ,

L0032422 , L0032423 , L0032424 , L0032425 , L0032426 ,
L0032427 , L0032428 , L0032429 ,

L0032430 , L0032431 , L0032432 , L0032433 , L0032434 ,
L0032435 , L0032436 , L0032437 ,

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L0032443    , L0032444    , L0032445    ,

             L0032446    , L0032447    , L0032448    , L0032449    , L0032450    ,
L0032451    , L0032452    , L0032453    ,

             L0032454    , L0032455    , L0032456    , L0032457    , L0032458    ,
L0032459    , L0032460    , L0032461    ,

             L0032462    , L0032463    , L0032464    , L0032465    , L0032466    ,
L0032467    , L0032468    , L0032469    ,

             L0032470    , L0032471    , L0032472    , L0032473    , L0032474    ,
L0032475    , L0032476    , L0032477    ,

             L0032478    , L0032479    , L0032480    , L0032481    , L0032482    ,
L0032483    , L0032484    , L0032485    ,

             L0032486    , L0032487    , L0032488    , L0032489    , L0032490    ,
L0032491    , L0032492    , L0032493    ,

             L0032494    , L0032495    , L0032496    , L0032497    , L0032498    ,
L0032499    , L0032500    , L0032501    ,

             L0032502    , L0032503    , L0032504    , L0032505    , L0032506    ,
L0032507    , L0032508    , L0032509    ,

             L0032510    , L0032511    , L0032512    , L0032513    , L0032514    ,
L0032515    , L0032516    , L0032517    ,

             L0032518    , L0032519    , L0032520    , L0032521    , L0032522    ,
L0032523    , L0032524    , L0032525    ,

             L0032526    , L0032527    , L0032528    , L0032529    , L0032530    ,
L0032531    , L0032532    , L0032533    ,

             L0032534    , L0032535    , L0032536    , L0032537    , L0032538    ,
L0032539    , L0032540    , L0032541    ,

             L0032542    , L0032543    , L0032544    , L0032545    , L0032546    ,
L0032547    , L0032548    , L0032549    ,

             L0032550    , L0032551    , L0032552    , L0032553    , L0032554    ,
L0032555    , L0032556    , L0032557    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0032558 , L0032559 , L0032560 , L0032561 , L0032562 , L0032563 , L0032564 , L0032565 ,
		L0032566 , L0032567 , L0032568 , L0032569 , L0032570 , L0032571 , L0032572 , L0032573 ,
		L0032574 , L0032575 , L0032576 , L0032577 , L0032578 , L0032579 , L0032580 , L0032581 ,
		L0032582 , L0032583 , L0032584 , L0032585 , L0032586 , L0032587 , L0032588 , L0032589 ,
		L0032590 , L0032591 , L0032592 , L0032593 , L0032594 , L0032595 , L0032596 , L0032597 ,
		L0032598 , L0032599 , L0032600 , L0032601 , L0032602 , L0032603 , L0032604 , L0032605 ,
		L0032606 , L0032607 , L0032608 , L0032609 , L0032610 , L0032611 , L0032612 , L0032613 ,
		L0032614 , L0032615 , L0032616 , L0032617 , L0032618 , L0032619 , L0032620 , L0032621 ,
		L0032622 , L0032623 , L0032624 , L0032625 , L0032626 , L0032627 , L0032628 , L0032629 ,
		L0032630 , L0032631 , L0032632 , L0032633 , L0032634 , L0032635 , L0032636 , L0032637 ,
		L0032638 , L0032639 , L0032640 , L0032641 , L0032642 , L0032643 , L0032644 , L0032645 ,
		L0032646 , L0032647 , L0032648 , L0032649 , L0032650 , L0032651 , L0032652 , L0032653 ,
		L0032654 , L0032655 , L0032656 , L0032657 , L0032658 , L0032659 , L0032660 , L0032661 ,
		L0032662 , L0032663 , L0032664 , L0032665 , L0032666 ,

L0032667   , L0032668   , L0032669   ,

             L0032670   , L0032671   , L0032672   , L0032673   , L0032674   ,
L0032675   , L0032676   , L0032677   ,

             L0032678   , L0032679   , L0032680   , L0032681   , L0032682   ,
L0032683   , L0032684   , L0032685   ,

             L0032686   , L0032687   , L0032688   , L0032689   , L0032690   ,
L0032691   , L0032692   , L0032693   ,

             L0032694   , L0032695   , L0032696   , L0032697   , L0032698   ,
L0032699   , L0032700   , L0032701   ,

             L0032702   , L0032703   , L0032704   , L0032705   , L0032706   ,
L0032707   , L0032708   , L0032709   ,

             L0032710   , L0032711   , L0032712   , L0032713   , L0032714   ,
L0032715   , L0032716   , L0032717   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0032718   , L0032719   , L0032720   , L0032721   , L0032722   ,
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             L0032726   , L0032727   , L0032728   , L0032729   , L0032730   ,
L0032731   , L0032732   , L0032733   ,

             L0032734   , L0032735   , L0032736   , L0032737   , L0032738   ,
L0032739   , L0032740   , L0032741   ,

             L0032742   , L0032743   , L0032744   , L0032745   , L0032746   ,
L0032747   , L0032748   , L0032749   ,

             L0032750   , L0032751   , L0032752   , L0032753   , L0032754   ,
L0032755   , L0032756   , L0032757   ,

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L0032771    , L0032772    , L0032773    ,

             L0032774    , L0032775    , L0032776    , L0032777    , L0032778    ,
L0032779    , L0032780    , L0032781    ,

             L0032782    , L0032783    , L0032784    , L0032785    , L0032786    ,
L0032787    , L0032788    , L0032789    ,

             L0032790    , L0032791    , L0032792    , L0032793    , L0032794    ,
L0032795    , L0032796    , L0032797    ,

             L0032798    , L0032799    , L0032800    , L0032801    , L0032802    ,
L0032803    , L0032804    , L0032805    ,

             L0032806    , L0032807    , L0032808    , L0032809    , L0032810    ,
L0032811    , L0032812    , L0032813    ,

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L0032819    , L0032820    , L0032821    ,

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L0032827    , L0032828    , L0032829    ,

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L0032835    , L0032836    , L0032837    ,

             L0032838    , L0032839    , L0032840    , L0032841    , L0032842    ,
L0032843    , L0032844    , L0032845    ,

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L0032851    , L0032852    , L0032853    ,

             L0032854    , L0032855    , L0032856    , L0032857    , L0032858    ,
L0032859    , L0032860    , L0032861    ,

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L0032867    , L0032868    , L0032869    ,

             L0032870    , L0032871    , L0032872    , L0032873    , L0032874    ,
L0032875    , L0032876    , L0032877    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0032878 , L0032879 , L0032880 , L0032881 , L0032882 , L0032883 , L0032884 , L0032885 ,
		L0032886 , L0032887 , L0032888 , L0032889 , L0032890 , L0032891 , L0032892 , L0032893 ,
		L0032894 , L0032895 , L0032896 , L0032897 , L0032898 , L0032899 , L0032900 , L0032901 ,
		L0032902 , L0032903 , L0032904 , L0032905 , L0032906 , L0032907 , L0032908 , L0032909 ,
		L0032910 , L0032911 , L0032912 , L0032913 , L0032914 , L0032915 , L0032916 , L0032917 ,
		L0032918 , L0032919 , L0032920 , L0032921 , L0032922 , L0032923 , L0032924 , L0032925 ,
		L0032926 , L0032927 , L0032928 , L0032929 , L0032930 , L0032931 , L0032932 , L0032933 ,
		L0032934 , L0032935 , L0032936 , L0032937 , L0032938 , L0032939 , L0032940 , L0032941 ,
		L0032942 , L0032943 , L0032944 , L0032945 , L0032946 , L0032947 , L0032948 , L0032949 ,
		L0032950 , L0032951 , L0032952 , L0032953 , L0032954 , L0032955 , L0032956 , L0032957 ,
		L0032958 , L0032959 , L0032960 , L0032961 , L0032962 , L0032963 , L0032964 , L0032965 ,
		L0032966 , L0032967 , L0032968 , L0032969 , L0032970 , L0032971 , L0032972 , L0032973 ,
		L0032974 , L0032975 , L0032976 , L0032977 , L0032978 , L0032979 , L0032980 , L0032981 ,
		L0032982 , L0032983 , L0032984 , L0032985 , L0032986 ,

L0032987 , L0032988 , L0032989 ,

L0032990 , L0032991 , L0032992 , L0032993 , L0032994 ,
L0032995 , L0032996 , L0032997 ,

L0032998 , L0032999 , L0033000 , L0033001 , L0033002 ,
L0033003 , L0033004 , L0033005 ,

L0033006 , L0033007 , L0033008 , L0033009 , L0033010 ,
L0033011 , L0033012 , L0033013 ,

L0033014 , L0033015 , L0033016 , L0033017 , L0033018 ,
L0033019 , L0033020 , L0033021 ,

L0033022 , L0033023 , L0033024 , L0033025 , L0033026 ,
L0033027 , L0033028 , L0033029 ,

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L0033035 , L0033036 , L0033037 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

L0033038 , L0033039 , L0033040 , L0033041 , L0033042 ,
L0033043 , L0033044 , L0033045 ,

L0033046 , L0033047 , L0033048 , L0033049 , L0033050 ,
L0033051 , L0033052 , L0033053 ,

L0033054 , L0033055 , L0033056 , L0033057 , L0033058 ,
L0033059 , L0033060 , L0033061 ,

L0033062 , L0033063 , L0033064 , L0033065 , L0033066 ,
L0033067 , L0033068 , L0033069 ,

L0033070 , L0033071 , L0033072 , L0033073 , L0033074 ,
L0033075 , L0033076 , L0033077 ,

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L0033091    , L0033092    , L0033093    ,

             L0033094    , L0033095    , L0033096    , L0033097    , L0033098    ,
L0033099    , L0033100    , L0033101    ,

             L0033102    , L0033103    , L0033104    , L0033105    , L0033106    ,
L0033107    , L0033108    , L0033109    ,

             L0033110    , L0033111    , L0033112    , L0033113    , L0033114    ,
L0033115    , L0033116    , L0033117    ,

             L0033118    , L0033119    , L0033120    , L0033121    , L0033122    ,
L0033123    , L0033124    , L0033125    ,

             L0033126    , L0033127    , L0033128    , L0033129    , L0033130    ,
L0033131    , L0033132    , L0033133    ,

             L0033134    , L0033135    , L0033136    , L0033137    , L0033138    ,
L0033139    , L0033140    , L0033141    ,

             L0033142    , L0033143    , L0033144    , L0033145    , L0033146    ,
L0033147    , L0033148    , L0033149    ,

             L0033150    , L0033151    , L0033152    , L0033153    , L0033154    ,
L0033155    , L0033156    , L0033157    ,

             L0033158    , L0033159    , L0033160    , L0033161    , L0033162    ,
L0033163    , L0033164    , L0033165    ,

             L0033166    , L0033167    , L0033168    , L0033169    , L0033170    ,
L0033171    , L0033172    , L0033173    ,

             L0033174    , L0033175    , L0033176    , L0033177    , L0033178    ,
L0033179    , L0033180    , L0033181    ,

             L0033182    , L0033183    , L0033184    , L0033185    , L0033186    ,
L0033187    , L0033188    , L0033189    ,

             L0033190    , L0033191    , L0033192    , L0033193    , L0033194    ,
L0033195    , L0033196    , L0033197    ,
*** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0033198 , L0033199 , L0033200 , L0033201 , L0033202 , L0033203 , L0033204 , L0033205 ,
		L0033206 , L0033207 , L0033208 , L0033209 , L0033210 , L0033211 , L0033212 , L0033213 ,
		L0033214 , L0033215 , L0033216 , L0033217 , L0033218 , L0033219 , L0033220 , L0033221 ,
		L0033222 , L0033223 , L0033224 , L0033225 , L0033226 , L0033227 , L0033228 , L0033229 ,
		L0033230 , L0033231 , L0033232 , L0033233 , L0033234 , L0033235 , L0033236 , L0033237 ,
		L0033238 , L0033239 , L0033240 , L0033241 , L0033242 , L0033243 , L0033244 , L0033245 ,
		L0033246 , L0033247 , L0033248 , L0033249 , L0033250 , L0033251 , L0033252 , L0033253 ,
		L0033254 , L0033255 , L0033256 , L0033257 , L0033258 , L0033259 , L0033260 , L0033261 ,
		L0033262 , L0033263 , L0033264 , L0033265 , L0033266 , L0033267 , L0033268 , L0033269 ,
		L0033270 , L0033271 , L0033272 , L0033273 , L0033274 , L0033275 , L0033276 , L0033277 ,
		L0033278 , L0033279 , L0033280 , L0033281 , L0033282 , L0033283 , L0033284 , L0033285 ,
		L0033286 , L0033287 , L0033288 , L0033289 , L0033290 , L0033291 , L0033292 , L0033293 ,
		L0033294 , L0033295 , L0033296 , L0033297 , L0033298 , L0033299 , L0033300 , L0033301 ,
		L0033302 , L0033303 , L0033304 , L0033305 , L0033306 ,

L0033307 , L0033308 , L0033309 ,

L0033310 , L0033311 , L0033312 , L0033313 , L0033314 ,
L0033315 , L0033316 , L0033317 ,

L0033318 , L0033319 , L0033320 , L0033321 , L0033322 ,
L0033323 , L0033324 , L0033325 ,

L0033326 , L0033327 , L0033328 , L0033329 , L0033330 ,
L0033331 , L0033332 , L0033333 ,

L0033334 , L0033335 , L0033336 , L0033337 , L0033338 ,
L0033339 , L0033340 , L0033341 ,

L0033342 , L0033343 , L0033344 , L0033345 , L0033346 ,
L0033347 , L0033348 , L0033349 ,

L0033350 , L0033351 , L0033352 , L0033353 , L0033354 ,
L0033355 , L0033356 , L0033357 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0033358 , L0033359 , L0033360 , L0033361 , L0033362 ,
L0033363 , L0033364 , L0033365 ,

L0033366 , L0033367 , L0033368 , L0033369 , L0033370 ,
L0033371 , L0033372 , L0033373 ,

L0033374 , L0033375 , L0033376 , L0033377 , L0033378 ,
L0033379 , L0033380 , L0033381 ,

L0033382 , L0033383 , L0033384 , L0033385 , L0033386 ,
L0033387 , L0033388 , L0033389 ,

L0033390 , L0033391 , L0033392 , L0033393 , L0033394 ,
L0033395 , L0033396 , L0033397 ,

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L0033403    , L0033404    , L0033405    ,

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L0033411    , L0033412    , L0033413    ,

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L0033419    , L0033420    , L0033421    ,

             L0033422    , L0033423    , L0033424    , L0033425    , L0033426    ,
L0033427    , L0033428    , L0033429    ,

             L0033430    , L0033431    , L0033432    , L0033433    , L0033434    ,
L0033435    , L0033436    , L0033437    ,

             L0033438    , L0033439    , L0033440    , L0033441    , L0033442    ,
L0033443    , L0033444    , L0033445    ,

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             L0033462    , L0033463    , L0033464    , L0033465    , L0033466    ,
L0033467    , L0033468    , L0033469    ,

             L0033470    , L0033471    , L0033472    , L0033473    , L0033474    ,
L0033475    , L0033476    , L0033477    ,

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L0033483    , L0033484    , L0033485    ,

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L0033491    , L0033492    , L0033493    ,

             L0033494    , L0033495    , L0033496    , L0033497    , L0033498    ,
L0033499    , L0033500    , L0033501    ,

             L0033502    , L0033503    , L0033504    , L0033505    , L0033506    ,
L0033507    , L0033508    , L0033509    ,

             L0033510    , L0033511    , L0033512    , L0033513    , L0033514    ,
L0033515    , L0033516    , L0033517    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0033518 , L0033519 , L0033520 , L0033521 , L0033522 , L0033523 , L0033524 , L0033525 ,
		L0033526 , L0033527 , L0033528 , L0033529 , L0033530 , L0033531 , L0033532 , L0033533 ,
		L0033534 , L0033535 , L0033536 , L0033537 , L0033538 , L0033539 , L0033540 , L0033541 ,
		L0033542 , L0033543 , L0033544 , L0033545 , L0033546 , L0033547 , L0033548 , L0033549 ,
		L0033550 , L0033551 , L0033552 , L0033553 , L0033554 , L0033555 , L0033556 , L0033557 ,
		L0033558 , L0033559 , L0033560 , L0033561 , L0033562 , L0033563 , L0033564 , L0033565 ,
		L0033566 , L0033567 , L0033568 , L0033569 , L0033570 , L0033571 , L0033572 , L0033573 ,
		L0033574 , L0033575 , L0033576 , L0033577 , L0033578 , L0033579 , L0033580 , L0033581 ,
		L0033582 , L0033583 , L0033584 , L0033585 , L0033586 , L0033587 , L0033588 , L0033589 ,
		L0033590 , L0033591 , L0033592 , L0033593 , L0033594 , L0033595 , L0033596 , L0033597 ,
		L0033598 , L0033599 , L0033600 , L0033601 , L0033602 , L0033603 , L0033604 , L0033605 ,
		L0033606 , L0033607 , L0033608 , L0033609 , L0033610 , L0033611 , L0033612 , L0033613 ,
		L0033614 , L0033615 , L0033616 , L0033617 , L0033618 , L0033619 , L0033620 , L0033621 ,
		L0033622 , L0033623 , L0033624 , L0033625 , L0033626 ,

L0033627 , L0033628 , L0033629 ,

L0033630 , L0033631 , L0033632 , L0033633 , L0033634 ,
L0033635 , L0033636 , L0033637 ,

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L0033651 , L0033652 , L0033653 ,

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L0033662 , L0033663 , L0033664 , L0033665 , L0033666 ,
L0033667 , L0033668 , L0033669 ,

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L0033675 , L0033676 , L0033677 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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L0033691 , L0033692 , L0033693 ,

L0033694 , L0033695 , L0033696 , L0033697 , L0033698 ,
L0033699 , L0033700 , L0033701 ,

L0033702 , L0033703 , L0033704 , L0033705 , L0033706 ,
L0033707 , L0033708 , L0033709 ,

L0033710 , L0033711 , L0033712 , L0033713 , L0033714 ,
L0033715 , L0033716 , L0033717 ,

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L0033731    , L0033732    , L0033733    ,

             L0033734    , L0033735    , L0033736    , L0033737    , L0033738    ,
L0033739    , L0033740    , L0033741    ,

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L0033747    , L0033748    , L0033749    ,

             L0033750    , L0033751    , L0033752    , L0033753    , L0033754    ,
L0033755    , L0033756    , L0033757    ,

             L0033758    , L0033759    , L0033760    , L0033761    , L0033762    ,
L0033763    , L0033764    , L0033765    ,

             L0033766    , L0033767    , L0033768    , L0033769    , L0033770    ,
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             L0033774    , L0033775    , L0033776    , L0033777    , L0033778    ,
L0033779    , L0033780    , L0033781    ,

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L0033787    , L0033788    , L0033789    ,

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L0033803    , L0033804    , L0033805    ,

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L0033811    , L0033812    , L0033813    ,

             L0033814    , L0033815    , L0033816    , L0033817    , L0033818    ,
L0033819    , L0033820    , L0033821    ,

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L0033827    , L0033828    , L0033829    ,

             L0033830    , L0033831    , L0033832    , L0033833    , L0033834    ,
L0033835    , L0033836    , L0033837    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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		L0033846 , L0033847 , L0033848 , L0033849 , L0033850 , L0033851 , L0033852 , L0033853 ,
		L0033854 , L0033855 , L0033856 , L0033857 , L0033858 , L0033859 , L0033860 , L0033861 ,
		L0033862 , L0033863 , L0033864 , L0033865 , L0033866 , L0033867 , L0033868 , L0033869 ,
		L0033870 , L0033871 , L0033872 , L0033873 , L0033874 , L0033875 , L0033876 , L0033877 ,
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		L0033886 , L0033887 , L0033888 , L0033889 , L0033890 , L0033891 , L0033892 , L0033893 ,
		L0033894 , L0033895 , L0033896 , L0033897 , L0033898 , L0033899 , L0033900 , L0033901 ,
		L0033902 , L0033903 , L0033904 , L0033905 , L0033906 , L0033907 , L0033908 , L0033909 ,
		L0033910 , L0033911 , L0033912 , L0033913 , L0033914 , L0033915 , L0033916 , L0033917 ,
		L0033918 , L0033919 , L0033920 , L0033921 , L0033922 , L0033923 , L0033924 , L0033925 ,
		L0033926 , L0033927 , L0033928 , L0033929 , L0033930 , L0033931 , L0033932 , L0033933 ,
		L0033934 , L0033935 , L0033936 , L0033937 , L0033938 , L0033939 , L0033940 , L0033941 ,
		L0033942 , L0033943 , L0033944 , L0033945 , L0033946 ,

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L0033955 , L0033956 , L0033957 ,

L0033958 , L0033959 , L0033960 , L0033961 , L0033962 ,
L0033963 , L0033964 , L0033965 ,

L0033966 , L0033967 , L0033968 , L0033969 , L0033970 ,
L0033971 , L0033972 , L0033973 ,

L0033974 , L0033975 , L0033976 , L0033977 , L0033978 ,
L0033979 , L0033980 , L0033981 ,

L0033982 , L0033983 , L0033984 , L0033985 , L0033986 ,
L0033987 , L0033988 , L0033989 ,

L0033990 , L0033991 , L0033992 , L0033993 , L0033994 ,
L0033995 , L0033996 , L0033997 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0033998 , L0033999 , L0034000 , L0034001 , L0034002 ,
L0034003 , L0034004 , L0034005 ,

L0034006 , L0034007 , L0034008 , L0034009 , L0034010 ,
L0034011 , L0034012 , L0034013 ,

L0034014 , L0034015 , L0034016 , L0034017 , L0034018 ,
L0034019 , L0034020 , L0034021 ,

L0034022 , L0034023 , L0034024 , L0034025 , L0034026 ,
L0034027 , L0034028 , L0034029 ,

L0034030 , L0034031 , L0034032 , L0034033 , L0034034 ,
L0034035 , L0034036 , L0034037 ,

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             L0034038    , L0034039    , L0034040    , L0034041    , L0034042    ,
L0034043    , L0034044    , L0034045    ,

             L0034046    , L0034047    , L0034048    , L0034049    , L0034050    ,
L0034051    , L0034052    , L0034053    ,

             L0034054    , L0034055    , L0034056    , L0034057    , L0034058    ,
L0034059    , L0034060    , L0034061    ,

             L0034062    , L0034063    , L0034064    , L0034065    , L0034066    ,
L0034067    , L0034068    , L0034069    ,

             L0034070    , L0034071    , L0034072    , L0034073    , L0034074    ,
L0034075    , L0034076    , L0034077    ,

             L0034078    , L0034079    , L0034080    , L0034081    , L0034082    ,
L0034083    , L0034084    , L0034085    ,

             L0034086    , L0034087    , L0034088    , L0034089    , L0034090    ,
L0034091    , L0034092    , L0034093    ,

             L0034094    , L0034095    , L0034096    , L0034097    , L0034098    ,
L0034099    , L0034100    , L0034101    ,

             L0034102    , L0034103    , L0034104    , L0034105    , L0034106    ,
L0034107    , L0034108    , L0034109    ,

             L0034110    , L0034111    , L0034112    , L0034113    , L0034114    ,
L0034115    , L0034116    , L0034117    ,

             L0034118    , L0034119    , L0034120    , L0034121    , L0034122    ,
L0034123    , L0034124    , L0034125    ,

             L0034126    , L0034127    , L0034128    , L0034129    , L0034130    ,
L0034131    , L0034132    , L0034133    ,

             L0034134    , L0034135    , L0034136    , L0034137    , L0034138    ,
L0034139    , L0034140    , L0034141    ,

             L0034142    , L0034143    , L0034144    , L0034145    , L0034146    ,
L0034147    , L0034148    , L0034149    ,

             L0034150    , L0034151    , L0034152    , L0034153    , L0034154    ,
L0034155    , L0034156    , L0034157    ,
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0034158 , L0034159 , L0034160 , L0034161 , L0034162 , L0034163 , L0034164 , L0034165 ,
		L0034166 , L0034167 , L0034168 , L0034169 , L0034170 , L0034171 , L0034172 , L0034173 ,
		L0034174 , L0034175 , L0034176 , L0034177 , L0034178 , L0034179 , L0034180 , L0034181 ,
		L0034182 , L0034183 , L0034184 , L0034185 , L0034186 , L0034187 , L0034188 , L0034189 ,
		L0034190 , L0034191 , L0034192 , L0034193 , L0034194 , L0034195 , L0034196 , L0034197 ,
		L0034198 , L0034199 , L0034200 , L0034201 , L0034202 , L0034203 , L0034204 , L0034205 ,
		L0034206 , L0034207 , L0034208 , L0034209 , L0034210 , L0034211 , L0034212 , L0034213 ,
		L0034214 , L0034215 , L0034216 , L0034217 , L0034218 , L0034219 , L0034220 , L0034221 ,
		L0034222 , L0034223 , L0034224 , L0034225 , L0034226 , L0034227 , L0034228 , L0034229 ,
		L0034230 , L0034231 , L0034232 , L0034233 , L0034234 , L0034235 , L0034236 , L0034237 ,
		L0034238 , L0034239 , L0034240 , L0034241 , L0034242 , L0034243 , L0034244 , L0034245 ,
		L0034246 , L0034247 , L0034248 , L0034249 , L0034250 , L0034251 , L0034252 , L0034253 ,
		L0034254 , L0034255 , L0034256 , L0034257 , L0034258 , L0034259 , L0034260 , L0034261 ,
		L0034262 , L0034263 , L0034264 , L0034265 , L0034266 ,

L0034267 , L0034268 , L0034269 ,

L0034270 , L0034271 , L0034272 , L0034273 , L0034274 ,
L0034275 , L0034276 , L0034277 ,

L0034278 , L0034279 , L0034280 , L0034281 , L0034282 ,
L0034283 , L0034284 , L0034285 ,

L0034286 , L0034287 , L0034288 , L0034289 , L0034290 ,
L0034291 , L0034292 , L0034293 ,

L0034294 , L0034295 , L0034296 , L0034297 , L0034298 ,
L0034299 , L0034300 , L0034301 ,

L0034302 , L0034303 , L0034304 , L0034305 , L0034306 ,
L0034307 , L0034308 , L0034309 ,

L0034310 , L0034311 , L0034312 , L0034313 , L0034314 ,
L0034315 , L0034316 , L0034317 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0034318 , L0034319 , L0034320 , L0034321 , L0034322 ,
L0034323 , L0034324 , L0034325 ,

L0034326 , L0034327 , L0034328 , L0034329 , L0034330 ,
L0034331 , L0034332 , L0034333 ,

L0034334 , L0034335 , L0034336 , L0034337 , L0034338 ,
L0034339 , L0034340 , L0034341 ,

L0034342 , L0034343 , L0034344 , L0034345 , L0034346 ,
L0034347 , L0034348 , L0034349 ,

L0034350 , L0034351 , L0034352 , L0034353 , L0034354 ,
L0034355 , L0034356 , L0034357 ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(463437.1, 3775314.9, 415.0, 415.0, 0.0); (463487.1,
3775314.9, 415.0, 415.0, 0.0);
(463537.1, 3775314.9, 413.9, 413.9, 0.0); (463587.1,
3775314.9, 414.1, 414.1, 0.0);
(463637.1, 3775314.9, 413.4, 413.4, 0.0); (463687.1,
3775314.9, 413.7, 413.7, 0.0);
(463737.1, 3775314.9, 413.0, 413.0, 0.0); (463787.1,
3775314.9, 412.5, 412.5, 0.0);
(463837.1, 3775314.9, 412.7, 412.7, 0.0); (463887.1,
3775314.9, 412.3, 412.3, 0.0);
(463937.1, 3775314.9, 412.1, 412.1, 0.0); (463987.1,
3775314.9, 411.5, 411.5, 0.0);
(464037.1, 3775314.9, 411.6, 411.6, 0.0); (464087.1,
3775314.9, 411.7, 411.7, 0.0);
(464137.1, 3775314.9, 411.9, 411.9, 0.0); (464187.1,
3775314.9, 411.1, 411.1, 0.0);
(464237.1, 3775314.9, 410.6, 410.6, 0.0); (464287.1,
3775314.9, 409.8, 409.8, 0.0);
(464337.1, 3775314.9, 409.1, 409.1, 0.0); (463437.1,
3775364.9, 416.1, 416.1, 0.0);
(463487.1, 3775364.9, 415.8, 415.8, 0.0); (463537.1,
3775364.9, 414.7, 414.7, 0.0);
(463587.1, 3775364.9, 414.8, 414.8, 0.0); (463637.1,
3775364.9, 414.1, 414.1, 0.0);
(463687.1, 3775364.9, 414.3, 414.3, 0.0); (463737.1,
3775364.9, 413.8, 413.8, 0.0);
(463787.1, 3775364.9, 413.2, 413.2, 0.0); (463837.1,

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3775364.9,     413.3,     413.3,       0.0);
     ( 463887.1, 3775364.9,     412.8,     412.8,       0.0);         ( 463937.1,
3775364.9,     412.6,     412.6,       0.0);
     ( 463987.1, 3775364.9,     412.2,     412.2,       0.0);         ( 464037.1,
3775364.9,     412.4,     412.4,       0.0);
     ( 464087.1, 3775364.9,     412.5,     412.5,       0.0);         ( 464137.1,
3775364.9,     411.8,     411.8,       0.0);
     ( 464187.1, 3775364.9,     411.6,     411.6,       0.0);         ( 464237.1,
3775364.9,     411.4,     411.4,       0.0);
     ( 464287.1, 3775364.9,     410.0,     410.0,       0.0);         ( 464337.1,
3775364.9,     409.7,     409.7,       0.0);
     ( 463437.1, 3775414.9,     416.5,     416.5,       0.0);         ( 463487.1,
3775414.9,     415.8,     415.8,       0.0);
     ( 463537.1, 3775414.9,     415.7,     415.7,       0.0);         ( 463587.1,
3775414.9,     415.1,     415.1,       0.0);
     ( 463637.1, 3775414.9,     415.1,     415.1,       0.0);         ( 463687.1,
3775414.9,     414.9,     414.9,       0.0);
     ( 463737.1, 3775414.9,     414.8,     414.8,       0.0);         ( 463787.1,
3775414.9,     413.9,     413.9,       0.0);
     ( 463837.1, 3775414.9,     414.4,     414.4,       0.0);         ( 463887.1,
3775414.9,     414.0,     414.0,       0.0);
     ( 463937.1, 3775414.9,     413.8,     413.8,       0.0);         ( 463987.1,
3775414.9,     413.2,     413.2,       0.0);
     ( 464037.1, 3775414.9,     413.3,     413.3,       0.0);         ( 464087.1,
3775414.9,     413.4,     413.4,       0.0);
     ( 464137.1, 3775414.9,     412.6,     412.6,       0.0);         ( 464187.1,
3775414.9,     412.3,     412.3,       0.0);
     ( 464237.1, 3775414.9,     411.3,     411.3,       0.0);         ( 464287.1,
3775414.9,     410.6,     410.6,       0.0);
     ( 463437.1, 3775464.9,     417.2,     417.2,       0.0);         ( 463487.1,
3775464.9,     416.5,     416.5,       0.0);
     ( 463537.1, 3775464.9,     416.4,     416.4,       0.0);         ( 463587.1,
3775464.9,     416.0,     416.0,       0.0);
     ( 463637.1, 3775464.9,     416.1,     416.1,       0.0);         ( 463687.1,
3775464.9,     415.5,     415.5,       0.0);
     ( 463737.1, 3775464.9,     415.4,     415.4,       0.0);         ( 463787.1,
3775464.9,     414.8,     414.8,       0.0);
     ( 463837.1, 3775464.9,     415.0,     415.0,       0.0);         ( 463887.1,
3775464.9,     414.5,     414.5,       0.0);
     ( 463937.1, 3775464.9,     414.4,     414.4,       0.0);         ( 463987.1,
3775464.9,     414.0,     414.0,       0.0);
     ( 464037.1, 3775464.9,     414.2,     414.2,       0.0);         ( 464087.1,
3775464.9,     414.2,     414.2,       0.0);
     ( 464137.1, 3775464.9,     413.6,     413.6,       0.0);         ( 464187.1,
3775464.9,     413.1,     413.1,       0.0);
     ( 464237.1, 3775464.9,     412.0,     412.0,       0.0);         ( 464287.1,
3775464.9,     410.2,     410.2,       0.0);
     ( 463437.1, 3775514.9,     418.1,     418.1,       0.0);         ( 463487.1,
3775514.9,     417.3,     417.3,       0.0);
     ( 463537.1, 3775514.9,     417.6,     417.6,       0.0);         ( 463587.1,
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3775514.9,   417.2,   417.2,   0.0);
     (463637.1, 3775514.9,   416.8,   416.8,   0.0);   (463687.1,
3775514.9,   416.8,   416.8,   0.0);
     (463737.1, 3775514.9,   415.9,   415.9,   0.0);   (463787.1,
3775514.9,   415.7,   415.7,   0.0);
     (463837.1, 3775514.9,   415.9,   415.9,   0.0);   (463887.1,
3775514.9,   415.7,   415.7,   0.0);
     (463937.1, 3775514.9,   415.7,   415.7,   0.0);   (463987.1,
3775514.9,   415.1,   415.1,   0.0);
     (464037.1, 3775514.9,   414.9,   414.9,   0.0);   (464087.1,
3775514.9,   414.7,   414.7,   0.0);
     (464137.1, 3775514.9,   414.2,   414.2,   0.0);   (464187.1,
3775514.9,   413.4,   413.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464237.1, 3775514.9,   412.7,   412.7,   0.0);   (463437.1,
3775564.9,   419.0,   419.0,   0.0);
     (463487.1, 3775564.9,   418.4,   418.4,   0.0);   (463537.1,
3775564.9,   418.8,   418.8,   0.0);
     (463587.1, 3775564.9,   418.2,   418.2,   0.0);   (463637.1,
3775564.9,   418.0,   418.0,   0.0);
     (463687.1, 3775564.9,   418.1,   418.1,   0.0);   (463737.1,
3775564.9,   417.2,   417.2,   0.0);
     (463787.1, 3775564.9,   416.5,   416.5,   0.0);   (463837.1,
3775564.9,   416.8,   416.8,   0.0);
     (463887.1, 3775564.9,   416.6,   416.6,   0.0);   (463937.1,
3775564.9,   416.5,   416.5,   0.0);
     (463987.1, 3775564.9,   416.3,   416.3,   0.0);   (464037.1,
3775564.9,   416.1,   416.1,   0.0);
     (464087.1, 3775564.9,   415.8,   415.8,   0.0);   (464137.1,
3775564.9,   415.0,   415.0,   0.0);
     (464187.1, 3775564.9,   413.6,   413.6,   0.0);   (464237.1,
3775564.9,   411.8,   411.8,   0.0);
     (463437.1, 3775614.9,   420.0,   420.0,   0.0);   (463487.1,
3775614.9,   419.3,   419.3,   0.0);
     (463537.1, 3775614.9,   419.7,   419.7,   0.0);   (463587.1,
3775614.9,   419.7,   419.7,   0.0);
     (463637.1, 3775614.9,   419.1,   419.1,   0.0);   (463687.1,
3775614.9,   418.5,   418.5,   0.0);
     (463737.1, 3775614.9,   417.8,   417.8,   0.0);   (463787.1,

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3775614.9,     417.3,     417.3,       0.0);
     ( 463837.1, 3775614.9,     417.8,     417.8,       0.0);         ( 463887.1,
3775614.9,     417.7,     417.7,       0.0);
     ( 463937.1, 3775614.9,     417.1,     417.1,       0.0);         ( 463987.1,
3775614.9,     416.6,     416.6,       0.0);
     ( 464037.1, 3775614.9,     416.4,     416.4,       0.0);         ( 464087.1,
3775614.9,     416.2,     416.2,       0.0);
     ( 464137.1, 3775614.9,     415.4,     415.4,       0.0);         ( 464187.1,
3775614.9,     414.1,     414.1,       0.0);
     ( 464237.1, 3775614.9,     412.3,     412.3,       0.0);         ( 463437.1,
3775664.9,     421.0,     421.0,       0.0);
     ( 463487.1, 3775664.9,     420.6,     420.6,       0.0);         ( 463537.1,
3775664.9,     420.5,     420.5,       0.0);
     ( 463587.1, 3775664.9,     420.3,     420.3,       0.0);         ( 463637.1,
3775664.9,     419.9,     419.9,       0.0);
     ( 463687.1, 3775664.9,     419.4,     419.4,       0.0);         ( 463737.1,
3775664.9,     419.0,     419.0,       0.0);
     ( 463787.1, 3775664.9,     418.7,     418.7,       0.0);         ( 463837.1,
3775664.9,     418.6,     418.6,       0.0);
     ( 463887.1, 3775664.9,     418.4,     418.4,       0.0);         ( 463937.1,
3775664.9,     417.9,     417.9,       0.0);
     ( 463987.1, 3775664.9,     417.5,     417.5,       0.0);         ( 464037.1,
3775664.9,     417.3,     417.3,       0.0);
     ( 464087.1, 3775664.9,     417.0,     417.0,       0.0);         ( 464137.1,
3775664.9,     416.4,     416.4,       0.0);
     ( 464187.1, 3775664.9,     415.5,     415.5,       0.0);         ( 464237.1,
3775664.9,     414.8,     414.8,       0.0);
     ( 464537.1, 3775764.9,     415.6,     415.6,       0.0);         ( 464587.1,
3775764.9,     416.0,     416.0,       0.0);
     ( 464487.1, 3775814.9,     416.7,     416.7,       0.0);         ( 464537.1,
3775814.9,     416.6,     416.6,       0.0);
     ( 464587.1, 3775814.9,     416.3,     416.3,       0.0);         ( 464437.1,
3775864.9,     417.9,     417.9,       0.0);
     ( 464487.1, 3775864.9,     417.1,     417.1,       0.0);         ( 464537.1,
3775864.9,     417.4,     417.4,       0.0);
     ( 464587.1, 3775864.9,     417.2,     417.2,       0.0);         ( 464437.1,
3775914.9,     418.1,     418.1,       0.0);
     ( 464487.1, 3775914.9,     417.3,     417.3,       0.0);         ( 464537.1,
3775914.9,     417.7,     417.7,       0.0);
     ( 464587.1, 3775914.9,     418.0,     418.0,       0.0);         ( 464437.1,
3775964.9,     418.9,     418.9,       0.0);
     ( 464487.1, 3775964.9,     418.1,     418.1,       0.0);         ( 464537.1,
3775964.9,     418.4,     418.4,       0.0);
     ( 464587.1, 3775964.9,     418.5,     418.5,       0.0);         ( 464437.1,
3776014.9,     419.7,     419.7,       0.0);
     ( 464487.1, 3776014.9,     419.0,     419.0,       0.0);         ( 464537.1,
3776014.9,     419.2,     419.2,       0.0);
     ( 464587.1, 3776014.9,     419.2,     419.2,       0.0);         ( 464437.1,
3776064.9,     421.3,     421.3,       0.0);
     ( 464487.1, 3776064.9,     420.7,     420.7,       0.0);         ( 464537.1,
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3776064.9,   420.7,   420.7,   0.0);
     (464587.1, 3776064.9,   420.8,   420.8,   0.0);   (464437.1,
3776114.9,   422.4,   422.4,   0.0);
     (464487.1, 3776114.9,   421.9,   421.9,   0.0);   (464537.1,
3776114.9,   421.8,   421.8,   0.0);
     (464587.1, 3776114.9,   421.5,   421.5,   0.0);   (464437.1,
3776164.9,   422.9,   422.9,   0.0);
     (464487.1, 3776164.9,   422.3,   422.3,   0.0);   (464537.1,
3776164.9,   422.3,   422.3,   0.0);
     (464587.1, 3776164.9,   421.9,   421.9,   0.0);   (464437.1,
3776214.9,   423.0,   423.0,   0.0);
     (464487.1, 3776214.9,   422.3,   422.3,   0.0);   (464537.1,
3776214.9,   422.6,   422.6,   0.0);
     (464587.1, 3776214.9,   422.1,   422.1,   0.0);   (464437.1,
3776264.9,   423.7,   423.7,   0.0);

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464487.1, 3776264.9,   423.1,   423.1,   0.0);   (464537.1,
3776264.9,   423.1,   423.1,   0.0);
     (464587.1, 3776264.9,   422.4,   422.4,   0.0);   (464237.1,
3776314.9,   424.8,   424.8,   0.0);
     (464287.1, 3776314.9,   424.5,   424.5,   0.0);   (464337.1,
3776314.9,   424.4,   424.4,   0.0);
     (464387.1, 3776314.9,   424.2,   424.2,   0.0);   (464437.1,
3776314.9,   423.9,   423.9,   0.0);
     (464487.1, 3776314.9,   423.4,   423.4,   0.0);   (464537.1,
3776314.9,   423.2,   423.2,   0.0);
     (464587.1, 3776314.9,   423.1,   423.1,   0.0);   (463056.5,
3775313.5,   417.4,   417.4,   0.0);
     (463106.5, 3775313.5,   416.2,   416.2,   0.0);   (463156.5,
3775313.5,   415.9,   415.9,   0.0);
     (463206.5, 3775313.5,   415.7,   415.7,   0.0);   (463256.5,
3775313.5,   415.5,   415.5,   0.0);
     (463306.5, 3775313.5,   415.4,   415.4,   0.0);   (463356.5,
3775313.5,   415.0,   415.0,   0.0);
     (463406.5, 3775313.5,   415.1,   415.1,   0.0);   (463056.5,
3775363.5,   418.2,   418.2,   0.0);
     (463106.5, 3775363.5,   416.6,   416.6,   0.0);   (463156.5,
3775363.5,   416.4,   416.4,   0.0);
     (463206.5, 3775363.5,   416.2,   416.2,   0.0);   (463256.5,

3775363.5,   416.0,   416.0,   0.0);
     (463306.5, 3775363.5,   415.8,   415.8,   0.0);   (463356.5,
3775363.5,   415.6,   415.6,   0.0);
     (463406.5, 3775363.5,   415.8,   415.8,   0.0);   (463056.5,
3775413.5,   418.9,   418.9,   0.0);
     (463106.5, 3775413.5,   417.4,   417.4,   0.0);   (463156.5,
3775413.5,   418.2,   418.2,   0.0);
     (463206.5, 3775413.5,   418.3,   418.3,   0.0);   (463256.5,
3775413.5,   418.1,   418.1,   0.0);
     (463306.5, 3775413.5,   417.9,   417.9,   0.0);   (463356.5,
3775413.5,   417.3,   417.3,   0.0);
     (463406.5, 3775413.5,   416.9,   416.9,   0.0);   (463056.5,
3775463.5,   419.8,   419.8,   0.0);
     (463106.5, 3775463.5,   418.3,   418.3,   0.0);   (463156.5,
3775463.5,   418.9,   418.9,   0.0);
     (463206.5, 3775463.5,   418.9,   418.9,   0.0);   (463256.5,
3775463.5,   418.7,   418.7,   0.0);
     (463306.5, 3775463.5,   418.5,   418.5,   0.0);   (463356.5,
3775463.5,   418.1,   418.1,   0.0);
     (463406.5, 3775463.5,   417.7,   417.7,   0.0);   (463056.5,
3775513.5,   420.6,   420.6,   0.0);
     (463106.5, 3775513.5,   419.2,   419.2,   0.0);   (463156.5,
3775513.5,   419.5,   419.5,   0.0);
     (463206.5, 3775513.5,   419.1,   419.1,   0.0);   (463256.5,
3775513.5,   418.9,   418.9,   0.0);
     (463306.5, 3775513.5,   418.7,   418.7,   0.0);   (463356.5,
3775513.5,   418.4,   418.4,   0.0);
     (463406.5, 3775513.5,   418.5,   418.5,   0.0);   (463056.5,
3775563.5,   421.5,   421.5,   0.0);
     (463106.5, 3775563.5,   420.1,   420.1,   0.0);   (463156.5,
3775563.5,   420.6,   420.6,   0.0);
     (463206.5, 3775563.5,   420.4,   420.4,   0.0);   (463256.5,
3775563.5,   420.0,   420.0,   0.0);
     (463306.5, 3775563.5,   419.7,   419.7,   0.0);   (463356.5,
3775563.5,   419.2,   419.2,   0.0);
     (463406.5, 3775563.5,   419.3,   419.3,   0.0);   (463056.5,
3775613.5,   422.4,   422.4,   0.0);
     (463106.5, 3775613.5,   420.9,   420.9,   0.0);   (463156.5,
3775613.5,   421.1,   421.1,   0.0);
     (463206.5, 3775613.5,   421.1,   421.1,   0.0);   (463256.5,
3775613.5,   420.6,   420.6,   0.0);
     (463306.5, 3775613.5,   420.2,   420.2,   0.0);   (463356.5,
3775613.5,   419.7,   419.7,   0.0);
     (463406.5, 3775613.5,   420.1,   420.1,   0.0);   (463056.5,
3775663.5,   423.3,   423.3,   0.0);
     (463106.5, 3775663.5,   422.6,   422.6,   0.0);   (463156.5,
3775663.5,   422.4,   422.4,   0.0);
     (463206.5, 3775663.5,   422.3,   422.3,   0.0);   (463256.5,
3775663.5,   421.9,   421.9,   0.0);
     (463306.5, 3775663.5,   421.6,   421.6,   0.0);   (463356.5,

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3775312.3,     418.0,     418.0,       0.0);
     ( 462919.2, 3775312.3,     417.7,     417.7,       0.0);         ( 462969.2,
3775312.3,     417.7,     417.7,       0.0);
     ( 463019.2, 3775312.3,     417.5,     417.5,       0.0);         ( 461019.2,
3775362.3,     425.3,     425.3,       0.0);
     ( 461069.2, 3775362.3,     424.8,     424.8,       0.0);         ( 461119.2,
3775362.3,     424.8,     424.8,       0.0);
     ( 461169.2, 3775362.3,     424.8,     424.8,       0.0);         ( 461219.2,
3775362.3,     424.4,     424.4,       0.0);
     ( 461269.2, 3775362.3,     424.2,     424.2,       0.0);         ( 461319.2,
3775362.3,     423.5,     423.5,       0.0);
     ( 461369.2, 3775362.3,     424.0,     424.0,       0.0);         ( 461469.2,
3775362.3,     423.8,     423.8,       0.0);
     ( 461519.2, 3775362.3,     423.4,     423.4,       0.0);         ( 461569.2,
3775362.3,     423.2,     423.2,       0.0);
     ( 461619.2, 3775362.3,     423.3,     423.3,       0.0);         ( 461669.2,
3775362.3,     423.4,     423.4,       0.0);
     ( 461719.2, 3775362.3,     423.0,     423.0,       0.0);         ( 461769.2,
3775362.3,     423.5,     423.5,       0.0);
     ( 461819.2, 3775362.3,     423.2,     423.2,       0.0);         ( 461869.2,
3775362.3,     422.8,     422.8,       0.0);
     ( 461919.2, 3775362.3,     422.6,     422.6,       0.0);         ( 461969.2,
3775362.3,     422.3,     422.3,       0.0);
     ( 462019.2, 3775362.3,     422.2,     422.2,       0.0);         ( 462069.2,
3775362.3,     421.6,     421.6,       0.0);
     ( 462119.2, 3775362.3,     422.2,     422.2,       0.0);         ( 462169.2,
3775362.3,     422.4,     422.4,       0.0);
     ( 462219.2, 3775362.3,     421.9,     421.9,       0.0);         ( 462269.2,
3775362.3,     421.8,     421.8,       0.0);
     ( 462319.2, 3775362.3,     421.4,     421.4,       0.0);         ( 462369.2,
3775362.3,     421.2,     421.2,       0.0);
     ( 462419.2, 3775362.3,     420.6,     420.6,       0.0);         ( 462469.2,
3775362.3,     420.7,     420.7,       0.0);
     ( 462519.2, 3775362.3,     420.6,     420.6,       0.0);         ( 462569.2,
3775362.3,     420.4,     420.4,       0.0);
     ( 462619.2, 3775362.3,     420.0,     420.0,       0.0);         ( 462669.2,
3775362.3,     420.2,     420.2,       0.0);
     ( 462719.2, 3775362.3,     419.9,     419.9,       0.0);         ( 462769.2,
3775362.3,     419.3,     419.3,       0.0);
     ( 462819.2, 3775362.3,     419.6,     419.6,       0.0);         ( 462869.2,
3775362.3,     419.1,     419.1,       0.0);
     ( 462919.2, 3775362.3,     419.0,     419.0,       0.0);         ( 462969.2,
3775362.3,     418.8,     418.8,       0.0);
     ( 463019.2, 3775362.3,     418.3,     418.3,       0.0);         ( 461019.2,
3775412.3,     426.3,     426.3,       0.0);
     ( 461069.2, 3775412.3,     426.0,     426.0,       0.0);         ( 461119.2,
3775412.3,     425.9,     425.9,       0.0);
     ( 461169.2, 3775412.3,     425.4,     425.4,       0.0);         ( 461219.2,
3775412.3,     425.4,     425.4,       0.0);
     ( 461269.2, 3775412.3,     425.0,     425.0,       0.0);         ( 461319.2,
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3775412.3,   424.0,   424.0,   0.0);
     (461369.2, 3775412.3,   424.7,   424.7,   0.0);   (461469.2,
3775412.3,   424.4,   424.4,   0.0);
     (461519.2, 3775412.3,   423.9,   423.9,   0.0);   (461569.2,
3775412.3,   423.9,   423.9,   0.0);
     (461619.2, 3775412.3,   423.6,   423.6,   0.0);   (461669.2,
3775412.3,   423.8,   423.8,   0.0);
     (461719.2, 3775412.3,   423.8,   423.8,   0.0);   (461769.2,
3775412.3,   424.2,   424.2,   0.0);
     (461819.2, 3775412.3,   424.2,   424.2,   0.0);   (461869.2,
3775412.3,   423.4,   423.4,   0.0);
     (461919.2, 3775412.3,   423.1,   423.1,   0.0);   (461969.2,
3775412.3,   422.7,   422.7,   0.0);
     (462019.2, 3775412.3,   422.6,   422.6,   0.0);   (462069.2,
3775412.3,   422.3,   422.3,   0.0);
     (462119.2, 3775412.3,   422.6,   422.6,   0.0);   (462169.2,
3775412.3,   422.7,   422.7,   0.0);
     (462219.2, 3775412.3,   422.9,   422.9,   0.0);   (462269.2,
3775412.3,   422.7,   422.7,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (462319.2, 3775412.3,   421.9,   421.9,   0.0);   (462369.2,
3775412.3,   421.7,   421.7,   0.0);
     (462419.2, 3775412.3,   421.5,   421.5,   0.0);   (462469.2,
3775412.3,   422.0,   422.0,   0.0);
     (462519.2, 3775412.3,   421.9,   421.9,   0.0);   (462569.2,
3775412.3,   421.3,   421.3,   0.0);
     (462619.2, 3775412.3,   420.9,   420.9,   0.0);   (462669.2,
3775412.3,   421.0,   421.0,   0.0);
     (462719.2, 3775412.3,   420.6,   420.6,   0.0);   (462769.2,
3775412.3,   420.1,   420.1,   0.0);
     (462819.2, 3775412.3,   420.3,   420.3,   0.0);   (462869.2,
3775412.3,   419.6,   419.6,   0.0);
     (462919.2, 3775412.3,   419.4,   419.4,   0.0);   (462969.2,
3775412.3,   419.4,   419.4,   0.0);
     (463019.2, 3775412.3,   419.0,   419.0,   0.0);   (461019.2,
3775462.3,   427.1,   427.1,   0.0);
     (461069.2, 3775462.3,   427.0,   427.0,   0.0);   (461119.2,
3775462.3,   426.8,   426.8,   0.0);
     (461169.2, 3775462.3,   426.4,   426.4,   0.0);   (461219.2,

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3775462.3,     426.6,     426.6,       0.0);
     ( 461269.2, 3775462.3,     426.2,     426.2,       0.0);         ( 461319.2,
3775462.3,     425.4,     425.4,       0.0);
     ( 461369.2, 3775462.3,     425.9,     425.9,       0.0);         ( 461469.2,
3775462.3,     425.0,     425.0,       0.0);
     ( 461519.2, 3775462.3,     424.4,     424.4,       0.0);         ( 461569.2,
3775462.3,     424.9,     424.9,       0.0);
     ( 461619.2, 3775462.3,     424.2,     424.2,       0.0);         ( 461669.2,
3775462.3,     425.0,     425.0,       0.0);
     ( 461719.2, 3775462.3,     425.3,     425.3,       0.0);         ( 461769.2,
3775462.3,     425.6,     425.6,       0.0);
     ( 461819.2, 3775462.3,     425.3,     425.3,       0.0);         ( 461869.2,
3775462.3,     423.8,     423.8,       0.0);
     ( 461919.2, 3775462.3,     423.6,     423.6,       0.0);         ( 461969.2,
3775462.3,     424.0,     424.0,       0.0);
     ( 462019.2, 3775462.3,     423.9,     423.9,       0.0);         ( 462069.2,
3775462.3,     423.9,     423.9,       0.0);
     ( 462119.2, 3775462.3,     424.0,     424.0,       0.0);         ( 462169.2,
3775462.3,     424.2,     424.2,       0.0);
     ( 462219.2, 3775462.3,     424.0,     424.0,       0.0);         ( 462269.2,
3775462.3,     424.1,     424.1,       0.0);
     ( 462319.2, 3775462.3,     423.4,     423.4,       0.0);         ( 462369.2,
3775462.3,     423.2,     423.2,       0.0);
     ( 462419.2, 3775462.3,     422.7,     422.7,       0.0);         ( 462469.2,
3775462.3,     422.6,     422.6,       0.0);
     ( 462519.2, 3775462.3,     422.4,     422.4,       0.0);         ( 462569.2,
3775462.3,     422.2,     422.2,       0.0);
     ( 462619.2, 3775462.3,     422.0,     422.0,       0.0);         ( 462669.2,
3775462.3,     422.4,     422.4,       0.0);
     ( 462719.2, 3775462.3,     421.8,     421.8,       0.0);         ( 462769.2,
3775462.3,     421.3,     421.3,       0.0);
     ( 462819.2, 3775462.3,     421.0,     421.0,       0.0);         ( 462869.2,
3775462.3,     420.1,     420.1,       0.0);
     ( 462919.2, 3775462.3,     419.7,     419.7,       0.0);         ( 462969.2,
3775462.3,     419.8,     419.8,       0.0);
     ( 463019.2, 3775462.3,     419.8,     419.8,       0.0);         ( 461019.2,
3775512.3,     428.3,     428.3,       0.0);
     ( 461069.2, 3775512.3,     428.2,     428.2,       0.0);         ( 461119.2,
3775512.3,     427.9,     427.9,       0.0);
     ( 461169.2, 3775512.3,     427.5,     427.5,       0.0);         ( 461219.2,
3775512.3,     427.5,     427.5,       0.0);
     ( 461269.2, 3775512.3,     427.0,     427.0,       0.0);         ( 461319.2,
3775512.3,     426.5,     426.5,       0.0);
     ( 461369.2, 3775512.3,     426.8,     426.8,       0.0);         ( 461469.2,
3775512.3,     425.7,     425.7,       0.0);
     ( 461519.2, 3775512.3,     425.0,     425.0,       0.0);         ( 461569.2,
3775512.3,     425.4,     425.4,       0.0);
     ( 461619.2, 3775512.3,     424.8,     424.8,       0.0);         ( 461669.2,
3775512.3,     425.0,     425.0,       0.0);
     ( 461719.2, 3775512.3,     425.2,     425.2,       0.0);         ( 461769.2,
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3775512.3,   426.0,   426.0,   0.0);
     (461819.2, 3775512.3,   426.2,   426.2,   0.0);   (461869.2,
3775512.3,   424.7,   424.7,   0.0);
     (461919.2, 3775512.3,   424.2,   424.2,   0.0);   (461969.2,
3775512.3,   424.4,   424.4,   0.0);
     (462019.2, 3775512.3,   424.6,   424.6,   0.0);   (462069.2,
3775512.3,   424.7,   424.7,   0.0);
     (462119.2, 3775512.3,   425.1,   425.1,   0.0);   (462169.2,
3775512.3,   425.1,   425.1,   0.0);
     (462219.2, 3775512.3,   424.9,   424.9,   0.0);   (462269.2,
3775512.3,   424.9,   424.9,   0.0);
     (462319.2, 3775512.3,   424.5,   424.5,   0.0);   (462369.2,
3775512.3,   424.2,   424.2,   0.0);
     (462419.2, 3775512.3,   423.8,   423.8,   0.0);   (462469.2,
3775512.3,   423.9,   423.9,   0.0);
     (462519.2, 3775512.3,   423.7,   423.7,   0.0);   (462569.2,
3775512.3,   423.0,   423.0,   0.0);
     (462619.2, 3775512.3,   422.9,   422.9,   0.0);   (462669.2,
3775512.3,   423.1,   423.1,   0.0);
     (462719.2, 3775512.3,   422.3,   422.3,   0.0);   (462769.2,
3775512.3,   421.8,   421.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (462819.2, 3775512.3,   421.9,   421.9,   0.0);   (462869.2,
3775512.3,   420.7,   420.7,   0.0);
     (462919.2, 3775512.3,   420.6,   420.6,   0.0);   (462969.2,
3775512.3,   420.7,   420.7,   0.0);
     (463019.2, 3775512.3,   420.7,   420.7,   0.0);   (461019.2,
3775562.3,   429.1,   429.1,   0.0);
     (461069.2, 3775562.3,   428.8,   428.8,   0.0);   (461119.2,
3775562.3,   428.3,   428.3,   0.0);
     (461169.2, 3775562.3,   428.0,   428.0,   0.0);   (461219.2,
3775562.3,   428.3,   428.3,   0.0);
     (461269.2, 3775562.3,   428.0,   428.0,   0.0);   (461319.2,
3775562.3,   427.6,   427.6,   0.0);
     (461369.2, 3775562.3,   427.3,   427.3,   0.0);   (461469.2,
3775562.3,   427.0,   427.0,   0.0);
     (461519.2, 3775562.3,   426.3,   426.3,   0.0);   (461569.2,
3775562.3,   426.0,   426.0,   0.0);
     (461619.2, 3775562.3,   425.4,   425.4,   0.0);   (461669.2,

3775562.3,   425.9,   425.9,   0.0);
     (461719.2, 3775562.3,   426.2,   426.2,   0.0);   (461769.2,
3775562.3,   427.0,   427.0,   0.0);
     (461819.2, 3775562.3,   427.1,   427.1,   0.0);   (461869.2,
3775562.3,   426.1,   426.1,   0.0);
     (461919.2, 3775562.3,   425.6,   425.6,   0.0);   (461969.2,
3775562.3,   424.9,   424.9,   0.0);
     (462019.2, 3775562.3,   425.0,   425.0,   0.0);   (462069.2,
3775562.3,   425.0,   425.0,   0.0);
     (462119.2, 3775562.3,   425.5,   425.5,   0.0);   (462169.2,
3775562.3,   425.4,   425.4,   0.0);
     (462219.2, 3775562.3,   425.7,   425.7,   0.0);   (462269.2,
3775562.3,   425.8,   425.8,   0.0);
     (462319.2, 3775562.3,   425.4,   425.4,   0.0);   (462369.2,
3775562.3,   425.2,   425.2,   0.0);
     (462419.2, 3775562.3,   424.8,   424.8,   0.0);   (462469.2,
3775562.3,   424.7,   424.7,   0.0);
     (462519.2, 3775562.3,   424.5,   424.5,   0.0);   (462569.2,
3775562.3,   424.3,   424.3,   0.0);
     (462619.2, 3775562.3,   423.8,   423.8,   0.0);   (462669.2,
3775562.3,   423.6,   423.6,   0.0);
     (462719.2, 3775562.3,   423.0,   423.0,   0.0);   (462769.2,
3775562.3,   422.7,   422.7,   0.0);
     (462819.2, 3775562.3,   422.6,   422.6,   0.0);   (462869.2,
3775562.3,   421.7,   421.7,   0.0);
     (462919.2, 3775562.3,   422.3,   422.3,   0.0);   (462969.2,
3775562.3,   422.4,   422.4,   0.0);
     (463019.2, 3775562.3,   421.8,   421.8,   0.0);   (461019.2,
3775612.3,   430.1,   430.1,   0.0);
     (461069.2, 3775612.3,   429.4,   429.4,   0.0);   (461119.2,
3775612.3,   429.2,   429.2,   0.0);
     (461169.2, 3775612.3,   428.7,   428.7,   0.0);   (461219.2,
3775612.3,   428.7,   428.7,   0.0);
     (461269.2, 3775612.3,   429.6,   429.6,   0.0);   (461319.2,
3775612.3,   429.4,   429.4,   0.0);
     (461369.2, 3775612.3,   428.2,   428.2,   0.0);   (461469.2,
3775612.3,   428.7,   428.7,   0.0);
     (461519.2, 3775612.3,   428.5,   428.5,   0.0);   (461569.2,
3775612.3,   427.9,   427.9,   0.0);
     (461619.2, 3775612.3,   427.9,   427.9,   0.0);   (461669.2,
3775612.3,   428.0,   428.0,   0.0);
     (461719.2, 3775612.3,   427.7,   427.7,   0.0);   (461769.2,
3775612.3,   428.1,   428.1,   0.0);
     (461819.2, 3775612.3,   428.0,   428.0,   0.0);   (461869.2,
3775612.3,   427.5,   427.5,   0.0);
     (461919.2, 3775612.3,   427.0,   427.0,   0.0);   (461969.2,
3775612.3,   425.7,   425.7,   0.0);
     (462019.2, 3775612.3,   425.8,   425.8,   0.0);   (462069.2,
3775612.3,   425.3,   425.3,   0.0);
     (462119.2, 3775612.3,   425.9,   425.9,   0.0);   (462169.2,

3775612.3,   425.8,   425.8,   0.0);
     (462219.2, 3775612.3,   426.4,   426.4,   0.0);   (462269.2,
3775612.3,   426.5,   426.5,   0.0);
     (462319.2, 3775612.3,   426.2,   426.2,   0.0);   (462369.2,
3775612.3,   426.0,   426.0,   0.0);
     (462419.2, 3775612.3,   425.5,   425.5,   0.0);   (462469.2,
3775612.3,   425.2,   425.2,   0.0);
     (462519.2, 3775612.3,   424.9,   424.9,   0.0);   (462569.2,
3775612.3,   424.6,   424.6,   0.0);
     (462619.2, 3775612.3,   424.4,   424.4,   0.0);   (462669.2,
3775612.3,   424.2,   424.2,   0.0);
     (462719.2, 3775612.3,   423.6,   423.6,   0.0);   (462769.2,
3775612.3,   423.5,   423.5,   0.0);
     (462819.2, 3775612.3,   423.1,   423.1,   0.0);   (462869.2,
3775612.3,   422.6,   422.6,   0.0);
     (462919.2, 3775612.3,   422.9,   422.9,   0.0);   (462969.2,
3775612.3,   423.2,   423.2,   0.0);
     (463019.2, 3775612.3,   422.9,   422.9,   0.0);   (461019.2,
3775662.3,   430.9,   430.9,   0.0);
     (461069.2, 3775662.3,   430.4,   430.4,   0.0);   (461119.2,
3775662.3,   430.3,   430.3,   0.0);
     (461169.2, 3775662.3,   430.0,   430.0,   0.0);   (461219.2,
3775662.3,   430.2,   430.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (461269.2, 3775662.3,   430.2,   430.2,   0.0);   (461319.2,
3775662.3,   430.0,   430.0,   0.0);
     (461369.2, 3775662.3,   429.7,   429.7,   0.0);   (461469.2,
3775662.3,   429.6,   429.6,   0.0);
     (461519.2, 3775662.3,   429.6,   429.6,   0.0);   (461569.2,
3775662.3,   429.2,   429.2,   0.0);
     (461619.2, 3775662.3,   429.2,   429.2,   0.0);   (461669.2,
3775662.3,   429.3,   429.3,   0.0);
     (461719.2, 3775662.3,   429.1,   429.1,   0.0);   (461769.2,
3775662.3,   429.0,   429.0,   0.0);
     (461819.2, 3775662.3,   428.9,   428.9,   0.0);   (461869.2,
3775662.3,   428.7,   428.7,   0.0);
     (461919.2, 3775662.3,   428.4,   428.4,   0.0);   (461969.2,
3775662.3,   427.9,   427.9,   0.0);
     (462019.2, 3775662.3,   427.7,   427.7,   0.0);   (462069.2,

```
3775662.3,     427.4,     427.4,       0.0);
     ( 462119.2, 3775662.3,     427.4,     427.4,       0.0);         ( 462169.2,
3775662.3,     427.3,     427.3,       0.0);
     ( 462219.2, 3775662.3,     427.2,     427.2,       0.0);         ( 462269.2,
3775662.3,     427.2,     427.2,       0.0);
     ( 462319.2, 3775662.3,     427.0,     427.0,       0.0);         ( 462369.2,
3775662.3,     426.8,     426.8,       0.0);
     ( 462419.2, 3775662.3,     426.6,     426.6,       0.0);         ( 462469.2,
3775662.3,     426.3,     426.3,       0.0);
     ( 462519.2, 3775662.3,     426.1,     426.1,       0.0);         ( 462569.2,
3775662.3,     425.9,     425.9,       0.0);
     ( 462619.2, 3775662.3,     425.6,     425.6,       0.0);         ( 462669.2,
3775662.3,     425.3,     425.3,       0.0);
     ( 462719.2, 3775662.3,     424.9,     424.9,       0.0);         ( 462769.2,
3775662.3,     424.7,     424.7,       0.0);
     ( 462819.2, 3775662.3,     424.4,     424.4,       0.0);         ( 462869.2,
3775662.3,     424.1,     424.1,       0.0);
     ( 462919.2, 3775662.3,     424.0,     424.0,       0.0);         ( 462969.2,
3775662.3,     423.9,     423.9,       0.0);
     ( 463019.2, 3775662.3,     423.5,     423.5,       0.0);         ( 461369.2,
3775912.3,     434.9,     434.9,       0.0);
     ( 461146.6, 3775743.5,     431.5,     431.5,       0.0);         ( 464042.4,
3776049.7,     423.4,     423.4,       0.0);
     ( 463968.1, 3776150.1,     425.5,     425.5,       0.0);         ( 463914.6,
3776284.5,     428.8,     428.8,       0.0);
     ( 464138.7, 3776345.3,     412.2,     426.9,       0.0);         ( 464188.7,
3776345.3,     419.1,     425.9,       0.0);
     ( 464238.7, 3776345.3,     425.2,     425.2,       0.0);         ( 464288.7,
3776345.3,     425.2,     425.2,       0.0);
     ( 464338.7, 3776345.3,     425.4,     425.4,       0.0);         ( 464388.7,
3776345.3,     425.1,     425.1,       0.0);
     ( 464438.7, 3776345.3,     424.9,     424.9,       0.0);         ( 464488.7,
3776345.3,     423.9,     423.9,       0.0);
     ( 464538.7, 3776345.3,     424.1,     424.1,       0.0);         ( 464588.7,
3776345.3,     423.7,     423.7,       0.0);
     ( 464138.7, 3776395.3,     412.2,     429.3,       0.0);         ( 464188.7,
3776395.3,     420.9,     426.9,       0.0);
     ( 464238.7, 3776395.3,     426.2,     426.2,       0.0);         ( 464288.7,
3776395.3,     426.2,     426.2,       0.0);
     ( 464338.7, 3776395.3,     426.7,     426.7,       0.0);         ( 464388.7,
3776395.3,     426.1,     426.1,       0.0);
     ( 464438.7, 3776395.3,     426.1,     426.1,       0.0);         ( 464488.7,
3776395.3,     424.8,     424.8,       0.0);
     ( 464538.7, 3776395.3,     425.5,     425.5,       0.0);         ( 464588.7,
3776395.3,     425.4,     425.4,       0.0);
     ( 464138.7, 3776445.3,     413.0,     430.4,       0.0);         ( 464188.7,
3776445.3,     421.4,     427.5,       0.0);
     ( 464238.7, 3776445.3,     427.1,     427.1,       0.0);         ( 464288.7,
3776445.3,     427.1,     427.1,       0.0);
     ( 464338.7, 3776445.3,     427.6,     427.6,       0.0);         ( 464388.7,
```

3776445.3,   427.5,   427.5,   0.0);
     (464438.7, 3776445.3,   427.3,   427.3,   0.0);   (464488.7,
3776445.3,   426.3,   426.3,   0.0);
     (464538.7, 3776445.3,   426.9,   426.9,   0.0);   (464588.7,
3776445.3,   426.9,   426.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                              *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                  (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

               NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                         (METERS/SEC)

                                                    1.54,   3.09,   5.14,   8.23,
10.80,

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   FONT_V9_ADJU\FONT_v9.SFC
                Met Version:  16216
   Profile file:   FONT_V9_ADJU\FONT_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3102                  Upper air station no.:     3190
                  Name: UNKNOWN                                    Name: UNKNOWN

                  Year:   2011                                     Year:   2011

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 11 01 01   1 01  -18.5  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82
1.00    1.80   69.    9.1  276.4    5.5
 11 01 01   1 02  -23.8  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   52.    9.1  275.4    5.5
 11 01 01   1 03  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   32.    9.1  275.4    5.5
 11 01 01   1 04   -1.4  0.067 -9.000 -9.000 -999.   57.     18.3  0.25   2.82
1.00    0.40   27.    9.1  274.2    5.5
 11 01 01   1 05  -18.6  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82
1.00    1.80   51.    9.1  274.2    5.5
 11 01 01   1 06  -29.7  0.296 -9.000 -9.000 -999.  387.     96.6  0.25   2.82
1.00    2.70   53.    9.1  274.2    5.5
 11 01 01   1 07  -24.0  0.239 -9.000 -9.000 -999.  282.     63.0  0.25   2.82
1.00    2.20   70.    9.1  274.2    5.5
 11 01 01   1 08   -8.4  0.138 -9.000 -9.000 -999.  127.     27.3  0.25   2.82
0.54    1.30   72.    9.1  275.4    5.5
 11 01 01   1 09   44.3  0.280  0.571  0.005  147.  356.    -43.5  0.25   2.82
0.32    2.20   67.    9.1  277.5    5.5
 11 01 01   1 10  122.7  0.264  0.952  0.005  247.  326.    -13.2  0.25   2.82
0.25    1.80   83.    9.1  279.9    5.5
 11 01 01   1 11  179.8  0.316  1.733  0.005 1017.  426.    -15.4  0.25   2.82
0.22    2.20   58.    9.1  282.0    5.5
 11 01 01   1 12  206.0  0.320  1.940  0.008 1244.  435.    -14.0  0.25   2.82
0.21    2.20  115.    9.1  283.1    5.5
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5  0.25   2.82
0.21    1.30  147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0  0.25   2.82
```

```
0.23    1.30  219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6  0.25   2.82
0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82
0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82
0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82
1.00    3.10   81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82
1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82
1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5   99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↟ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:00:55

                                    PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                    INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
                  L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                  L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
                  L0034410    , L0034411    , L0034412    , L0034413    , L0034414
, L0034415    , L0034416    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463437.12	3775314.91	0.00221	463487.12	3775314.91	0.00220
463537.12	3775314.91	0.00218	463587.12	3775314.91	0.00217
463637.12	3775314.91	0.00214	463687.12	3775314.91	0.00212
463737.12	3775314.91	0.00208	463787.12	3775314.91	0.00204
463837.12	3775314.91	0.00199	463887.12	3775314.91	0.00192
463937.12	3775314.91	0.00184	463987.12	3775314.91	0.00175
464037.12	3775314.91	0.00166	464087.12	3775314.91	0.00156
464137.12	3775314.91	0.00145	464187.12	3775314.91	0.00135
464237.12	3775314.91	0.00125	464287.12	3775314.91	0.00115
464337.12	3775314.91	0.00107	463437.12	3775364.91	0.00253
463487.12	3775364.91	0.00252	463537.12	3775364.91	0.00250
463587.12	3775364.91	0.00249	463637.12	3775364.91	0.00247
463687.12	3775364.91	0.00245	463737.12	3775364.91	0.00241
463787.12	3775364.91	0.00236	463837.12	3775364.91	0.00231
463887.12	3775364.91	0.00223	463937.12	3775364.91	0.00214
463987.12	3775364.91	0.00203	464037.12	3775364.91	0.00190
464087.12	3775364.91	0.00177	464137.12	3775364.91	0.00163
464187.12	3775364.91	0.00150	464237.12	3775364.91	0.00138
464287.12	3775364.91	0.00126	464337.12	3775364.91	0.00115
463437.12	3775414.91	0.00295	463487.12	3775414.91	0.00294
463537.12	3775414.91	0.00293	463587.12	3775414.91	0.00291

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         463637.12    3775414.91        0.00290                       463687.12
3775414.91        0.00288
         463737.12    3775414.91        0.00285                       463787.12
3775414.91        0.00280
         463837.12    3775414.91        0.00275                       463887.12
3775414.91        0.00267
         463937.12    3775414.91        0.00255                       463987.12
3775414.91        0.00241
         464037.12    3775414.91        0.00224                       464087.12
3775414.91        0.00206
         464137.12    3775414.91        0.00187                       464187.12
3775414.91        0.00169
         464237.12    3775414.91        0.00152                       464287.12
3775414.91        0.00138
         463437.12    3775464.91        0.00354                       463487.12
3775464.91        0.00352
         463537.12    3775464.91        0.00352                       463587.12
3775464.91        0.00351
         463637.12    3775464.91        0.00351                       463687.12
3775464.91        0.00349
         463737.12    3775464.91        0.00347                       463787.12
3775464.91        0.00343
         463837.12    3775464.91        0.00338                       463887.12
3775464.91        0.00329
         463937.12    3775464.91        0.00315                       463987.12
3775464.91        0.00296
         464037.12    3775464.91        0.00272                       464087.12
3775464.91        0.00245
         464137.12    3775464.91        0.00218                       464187.12
3775464.91        0.00193
         464237.12    3775464.91        0.00171                       464287.12
3775464.91        0.00151
         463437.12    3775514.91        0.00443                       463487.12
3775514.91        0.00441
         463537.12    3775514.91        0.00442                       463587.12
3775514.91        0.00442
         463637.12    3775514.91        0.00441                       463687.12
3775514.91        0.00442

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
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                L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
                L0034410    , L0034411    , L0034412    , L0034413    , L0034414
, L0034415    , L0034416    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         463737.12    3775514.91        0.00439                      463787.12
3775514.91        0.00438
         463837.12    3775514.91        0.00435                      463887.12
3775514.91        0.00427
         463937.12    3775514.91        0.00412                      463987.12
3775514.91        0.00384
         464037.12    3775514.91        0.00347                      464087.12
3775514.91        0.00304
         464137.12    3775514.91        0.00261                      464187.12
3775514.91        0.00224
         464237.12    3775514.91        0.00193                      463437.12
3775564.91        0.00597
         463487.12    3775564.91        0.00596                      463537.12
3775564.91        0.00599
         463587.12    3775564.91        0.00599                      463637.12
3775564.91        0.00600
         463687.12    3775564.91        0.00602                      463737.12
3775564.91        0.00602
         463787.12    3775564.91        0.00600                      463837.12
3775564.91        0.00603
         463887.12    3775564.91        0.00599                      463937.12
3775564.91        0.00585
         463987.12    3775564.91        0.00550                      464037.12
3775564.91        0.00483
         464087.12    3775564.91        0.00400                      464137.12
3775564.91        0.00324
         464187.12    3775564.91        0.00264                      464237.12
3775564.91        0.00220
         463437.12    3775614.91        0.00946                      463487.12
3775614.91        0.00944
         463537.12    3775614.91        0.00954                      463587.12
3775614.91        0.00959
         463637.12    3775614.91        0.00959                      463687.12
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3775614.91        0.00960
         463737.12    3775614.91        0.00961                       463787.12
3775614.91        0.00965
         463837.12    3775614.91        0.00982                       463887.12
3775614.91        0.00991
         463937.12    3775614.91        0.00987                       463987.12
3775614.91        0.00947
         464037.12    3775614.91        0.00804                       464087.12
3775614.91        0.00579
         464137.12    3775614.91        0.00418                       464187.12
3775614.91        0.00318
         464237.12    3775614.91        0.00253                       463437.12
3775664.91        0.02768
         463487.12    3775664.91        0.02785                       463537.12
3775664.91        0.02834
         463587.12    3775664.91        0.02854                       463637.12
3775664.91        0.02855
         463687.12    3775664.91        0.02862                       463737.12
3775664.91        0.02884
         463787.12    3775664.91        0.02921                       463837.12
3775664.91        0.02988
         463887.12    3775664.91        0.03048                       463937.12
3775664.91        0.03108
         463987.12    3775664.91        0.03157                       464037.12
3775664.91        0.02833
         464087.12    3775664.91        0.00970                       464137.12
3775664.91        0.00561
         464187.12    3775664.91        0.00390                       464237.12
3775664.91        0.00296
         464537.12    3775764.91        0.00127                       464587.12
3775764.91        0.00114
         464487.12    3775814.91        0.00148                       464537.12
3775814.91        0.00131
         464587.12    3775814.91        0.00117                       464437.12
3775864.91        0.00173
         464487.12    3775864.91        0.00151                       464537.12
3775864.91        0.00133
         464587.12    3775864.91        0.00119                       464437.12
3775914.91        0.00172
         464487.12    3775914.91        0.00151                       464537.12
3775914.91        0.00134
         464587.12    3775914.91        0.00121                       464437.12
3775964.91        0.00168
         464487.12    3775964.91        0.00149                       464537.12
3775964.91        0.00133
         464587.12    3775964.91        0.00120                       464437.12
3776014.91        0.00161
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***       09/08/21
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 , L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 , L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 , L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464487.12	3776014.91	0.00144	464537.12	3776014.91	0.00130
464587.12	3776014.91	0.00118	464437.12	3776064.91	0.00152
464487.12	3776064.91	0.00138	464537.12	3776064.91	0.00126
464587.12	3776064.91	0.00115	464437.12	3776114.91	0.00143
464487.12	3776114.91	0.00131	464537.12	3776114.91	0.00121
464587.12	3776114.91	0.00111	464437.12	3776164.91	0.00133
464487.12	3776164.91	0.00123	464537.12	3776164.91	0.00115
464587.12	3776164.91	0.00107	464437.12	3776214.91	0.00124
464487.12	3776214.91	0.00116	464537.12	3776214.91	0.00109
464587.12	3776214.91	0.00102	464437.12	3776264.91	0.00115
464487.12	3776264.91	0.00109	464537.12	3776264.91	0.00103
464587.12	3776264.91	0.00097	464237.12	3776314.91	0.00124

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         464287.12    3776314.91        0.00120                    464337.12
3776314.91        0.00116
         464387.12    3776314.91        0.00112                    464437.12
3776314.91        0.00107
         464487.12    3776314.91        0.00102                    464537.12
3776314.91        0.00097
         464587.12    3776314.91        0.00093                    463056.48
3775313.51        0.00226
         463106.48    3775313.51        0.00225                    463156.48
3775313.51        0.00224
         463206.48    3775313.51        0.00224                    463256.48
3775313.51        0.00223
         463306.48    3775313.51        0.00222                    463356.48
3775313.51        0.00222
         463406.48    3775313.51        0.00221                    463056.48
3775363.51        0.00257
         463106.48    3775363.51        0.00255                    463156.48
3775363.51        0.00255
         463206.48    3775363.51        0.00255                    463256.48
3775363.51        0.00254
         463306.48    3775363.51        0.00253                    463356.48
3775363.51        0.00253
         463406.48    3775363.51        0.00252                    463056.48
3775413.51        0.00298
         463106.48    3775413.51        0.00296                    463156.48
3775413.51        0.00297
         463206.48    3775413.51        0.00297                    463256.48
3775413.51        0.00297
         463306.48    3775413.51        0.00296                    463356.48
3775413.51        0.00295
         463406.48    3775413.51        0.00294                    463056.48
3775463.51        0.00356
         463106.48    3775463.51        0.00353                    463156.48
3775463.51        0.00355
         463206.48    3775463.51        0.00354                    463256.48
3775463.51        0.00354
         463306.48    3775463.51        0.00354                    463356.48
3775463.51        0.00353
         463406.48    3775463.51        0.00353                    463056.48
3775513.51        0.00442
         463106.48    3775513.51        0.00439                    463156.48
3775513.51        0.00440
         463206.48    3775513.51        0.00440                    463256.48
3775513.51        0.00440
         463306.48    3775513.51        0.00440                    463356.48
3775513.51        0.00440
         463406.48    3775513.51        0.00440                    463056.48
3775563.51        0.00591
         463106.48    3775563.51        0.00586                    463156.48
3775563.51        0.00589
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 , L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 , L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 , L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463106.48	3775613.51	0.00910	463156.48	3775613.51	0.00916
463206.48	3775613.51	0.00919	463256.48	3775613.51	0.00918
463306.48	3775613.51	0.00918	463356.48	3775613.51	0.00918
463406.48	3775613.51	0.00928	463056.48	3775663.51	0.02516
463106.48	3775663.51	0.02489	463156.48	3775663.51	0.02502
463206.48	3775663.51	0.02514	463256.48	3775663.51	0.02513
463306.48	3775663.51	0.02525	463356.48	3775663.51	0.02548
463406.48	3775663.51	0.02596	461019.19		

3775312.34 0.00101
461069.19 3775312.34 0.00107 461119.19
3775312.34 0.00115
461169.19 3775312.34 0.00122 461219.19
3775312.34 0.00131
461269.19 3775312.34 0.00140 461319.19
3775312.34 0.00149
461369.19 3775312.34 0.00158 461469.19
3775312.34 0.00174
461519.19 3775312.34 0.00182 461569.19
3775312.34 0.00188
461619.19 3775312.34 0.00194 461669.19
3775312.34 0.00199
461719.19 3775312.34 0.00204 461769.19
3775312.34 0.00208
461819.19 3775312.34 0.00211 461869.19
3775312.34 0.00213
461919.19 3775312.34 0.00216 461969.19
3775312.34 0.00218
462019.19 3775312.34 0.00219 462069.19
3775312.34 0.00220
462119.19 3775312.34 0.00222 462169.19
3775312.34 0.00223
462219.19 3775312.34 0.00224 462269.19
3775312.34 0.00224
462319.19 3775312.34 0.00225 462369.19
3775312.34 0.00225
462419.19 3775312.34 0.00226 462469.19
3775312.34 0.00226
462519.19 3775312.34 0.00226 462569.19
3775312.34 0.00227
462619.19 3775312.34 0.00227 462669.19
3775312.34 0.00227
462719.19 3775312.34 0.00227 462769.19
3775312.34 0.00227
462819.19 3775312.34 0.00227 462869.19
3775312.34 0.00226
462919.19 3775312.34 0.00226 462969.19
3775312.34 0.00226
463019.19 3775312.34 0.00225 461019.19
3775362.34 0.00106
461069.19 3775362.34 0.00113 461119.19
3775362.34 0.00122
461169.19 3775362.34 0.00132 461219.19
3775362.34 0.00142
461269.19 3775362.34 0.00153 461319.19
3775362.34 0.00164
461369.19 3775362.34 0.00176 461469.19
3775362.34 0.00197
461519.19 3775362.34 0.00207 461569.19

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 , L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 , L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 , L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775362.34	0.00256	462369.19	3775362.34	0.00256
462419.19	3775362.34	0.00256	462469.19	3775362.34	0.00257
462519.19	3775362.34	0.00257	462569.19	3775362.34	0.00258

462619.19 3775362.34 0.00258 462669.19 3775362.34 0.00258
462719.19 3775362.34 0.00258 462769.19 3775362.34 0.00257
462819.19 3775362.34 0.00258 462869.19 3775362.34 0.00257
462919.19 3775362.34 0.00257 462969.19 3775362.34 0.00257
463019.19 3775362.34 0.00256 461019.19 3775412.34 0.00111
461069.19 3775412.34 0.00120 461119.19 3775412.34 0.00130
461169.19 3775412.34 0.00141 461219.19 3775412.34 0.00154
461269.19 3775412.34 0.00169 461319.19 3775412.34 0.00183
461369.19 3775412.34 0.00199 461469.19 3775412.34 0.00228
461519.19 3775412.34 0.00240 461569.19 3775412.34 0.00250
461619.19 3775412.34 0.00258 461669.19 3775412.34 0.00265
461719.19 3775412.34 0.00271 461769.19 3775412.34 0.00276
461819.19 3775412.34 0.00280 461869.19 3775412.34 0.00282
461919.19 3775412.34 0.00285 461969.19 3775412.34 0.00287
462019.19 3775412.34 0.00289 462069.19 3775412.34 0.00290
462119.19 3775412.34 0.00292 462169.19 3775412.34 0.00293
462219.19 3775412.34 0.00295 462269.19 3775412.34 0.00296
462319.19 3775412.34 0.00296 462369.19 3775412.34 0.00296
462419.19 3775412.34 0.00297 462469.19 3775412.34 0.00298
462519.19 3775412.34 0.00298 462569.19 3775412.34 0.00298
462619.19 3775412.34 0.00298 462669.19 3775412.34 0.00299
462719.19 3775412.34 0.00298 462769.19 3775412.34 0.00298
462819.19 3775412.34 0.00298 462869.19 3775412.34 0.00298
462919.19 3775412.34 0.00298 462969.19 3775412.34 0.00298
463019.19 3775412.34 0.00297 461019.19 3775462.34 0.00117

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         461069.19    3775462.34        0.00127                        461119.19
3775462.34        0.00139
         461169.19    3775462.34        0.00152                        461219.19
3775462.34        0.00169
         461269.19    3775462.34        0.00188                        461319.19
3775462.34        0.00208
         461369.19    3775462.34        0.00231                        461469.19
3775462.34        0.00271
         461519.19    3775462.34        0.00286                        461569.19
3775462.34        0.00300
         461619.19    3775462.34        0.00310                        461669.19
3775462.34        0.00319
         461719.19    3775462.34        0.00326                        461769.19
3775462.34        0.00331
         461819.19    3775462.34        0.00335                        461869.19
3775462.34        0.00336
         461919.19    3775462.34        0.00339                        461969.19
3775462.34        0.00342
         462019.19    3775462.34        0.00344                        462069.19
3775462.34        0.00346
         462119.19    3775462.34        0.00348                        462169.19
3775462.34        0.00350
         462219.19    3775462.34        0.00351                        462269.19
3775462.34        0.00352
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:00:55

                                    PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
                   L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                   L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
                   L0034410    , L0034411    , L0034412    , L0034413    , L0034414
, L0034415    , L0034416    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
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Y-COORD (M)        CONC
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3775512.34   0.00441
         462719.19   3775512.34   0.00440   462769.19
3775512.34   0.00439
         462819.19   3775512.34   0.00440   462869.19
3775512.34   0.00438
         462919.19   3775512.34   0.00438   462969.19
3775512.34   0.00439
         463019.19   3775512.34   0.00439   461019.19
3775562.34   0.00127
         461069.19   3775562.34   0.00141   461119.19
3775562.34   0.00157
         461169.19   3775562.34   0.00177   461219.19
3775562.34   0.00203
         461269.19   3775562.34   0.00238   461319.19
3775562.34   0.00283
         461369.19   3775562.34   0.00340   461469.19
3775562.34   0.00452
         461519.19   3775562.34   0.00484   461569.19
3775562.34   0.00505
         461619.19   3775562.34   0.00518   461669.19
3775562.34   0.00531
         461719.19   3775562.34   0.00541   461769.19
3775562.34   0.00551
         461819.19   3775562.34   0.00556   461869.19
3775562.34   0.00557
         461919.19   3775562.34   0.00560   461969.19
3775562.34   0.00561
         462019.19   3775562.34   0.00565   462069.19
3775562.34   0.00567
         462119.19   3775562.34   0.00571   462169.19
3775562.34   0.00573
         462219.19   3775562.34   0.00576   462269.19
3775562.34   0.00578

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0034389   , L0034390
, L0034391   , L0034392   , L0034393   ,
                   L0034394   , L0034395   , L0034396   , L0034397   , L0034398
, L0034399   , L0034400   , L0034401   ,
                   L0034402   , L0034403   , L0034404   , L0034405   , L0034406
, L0034407   , L0034408   , L0034409   ,
                   L0034410   , L0034411   , L0034412   , L0034413   , L0034414

, L0034415   , L0034416   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775562.34	0.00579	462369.19	3775562.34	0.00581
462419.19	3775562.34	0.00581	462469.19	3775562.34	0.00583
462519.19	3775562.34	0.00584	462569.19	3775562.34	0.00585
462619.19	3775562.34	0.00585	462669.19	3775562.34	0.00586
462719.19	3775562.34	0.00584	462769.19	3775562.34	0.00584
462819.19	3775562.34	0.00585	462869.19	3775562.34	0.00582
462919.19	3775562.34	0.00585	462969.19	3775562.34	0.00587
463019.19	3775562.34	0.00586	461019.19	3775612.34	0.00132
461069.19	3775612.34	0.00147	461119.19	3775612.34	0.00166
461169.19	3775612.34	0.00190	461219.19	3775612.34	0.00222
461269.19	3775612.34	0.00268	461319.19	3775612.34	0.00340
461369.19	3775612.34	0.00452	461469.19	3775612.34	0.00714
461519.19	3775612.34	0.00768	461569.19	3775612.34	0.00793
461619.19	3775612.34	0.00812	461669.19	3775612.34	0.00827
461719.19	3775612.34	0.00836	461769.19	3775612.34	0.00848
461819.19	3775612.34	0.00855	461869.19	3775612.34	0.00858
461919.19	3775612.34	0.00860	461969.19	3775612.34	0.00855
462019.19	3775612.34	0.00861	462069.19	3775612.34	0.00861
462119.19	3775612.34	0.00870	462169.19	3775612.34	0.00873

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         462219.19    3775612.34        0.00883                      462269.19
3775612.34        0.00889
         462319.19    3775612.34        0.00891                      462369.19
3775612.34        0.00894
         462419.19    3775612.34        0.00896                      462469.19
3775612.34        0.00897
         462519.19    3775612.34        0.00900                      462569.19
3775612.34        0.00902
         462619.19    3775612.34        0.00903                      462669.19
3775612.34        0.00904
         462719.19    3775612.34        0.00901                      462769.19
3775612.34        0.00902
         462819.19    3775612.34        0.00899                      462869.19
3775612.34        0.00897
         462919.19    3775612.34        0.00903                      462969.19
3775612.34        0.00909
         463019.19    3775612.34        0.00910                      461019.19
3775662.34        0.00137
         461069.19    3775662.34        0.00153                      461119.19
3775662.34        0.00174
         461169.19    3775662.34        0.00201                      461219.19
3775662.34        0.00240
         461269.19    3775662.34        0.00299                      461319.19
3775662.34        0.00404
         461369.19    3775662.34        0.00650                      461469.19
3775662.34        0.01827
         461519.19    3775662.34        0.01914                      461569.19
3775662.34        0.01934
         461619.19    3775662.34        0.01963                      461669.19
3775662.34        0.02009
         461719.19    3775662.34        0.02038                      461769.19
3775662.34        0.02065
         461819.19    3775662.34        0.02089                      461869.19
3775662.34        0.02097
         461919.19    3775662.34        0.02111                      461969.19
3775662.34        0.02132
         462019.19    3775662.34        0.02166                      462069.19
3775662.34        0.02160
         462119.19    3775662.34        0.02179                      462169.19
3775662.34        0.02187
         462219.19    3775662.34        0.02227                      462269.19
3775662.34        0.02261
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:00:55

                                  PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 , L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 , L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 , L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775662.34	0.02281	462369.19	3775662.34	0.02306
462419.19	3775662.34	0.02330	462469.19	3775662.34	0.02354
462519.19	3775662.34	0.02384	462569.19	3775662.34	0.02399
462619.19	3775662.34	0.02404	462669.19	3775662.34	0.02400
462719.19	3775662.34	0.02385	462769.19	3775662.34	0.02382
462819.19	3775662.34	0.02366	462869.19	3775662.34	0.02359
462919.19	3775662.34	0.02374	462969.19	3775662.34	0.02400
463019.19	3775662.34	0.02407	461369.19	3775912.34	0.00862
461146.60	3775743.55	0.00201	464042.43	3776049.67	0.00437
463968.06	3776150.13	0.00224	463914.57	3776284.52	0.00145
464138.68	3776345.34	0.00127	464188.68	3776345.34	0.00125
464238.68	3776345.34	0.00117	464288.68	3776345.34	0.00114
464338.68	3776345.34	0.00111	464388.68	3776345.34	0.00107
464438.68	3776345.34	0.00104	464488.68	3776345.34	0.00099
464538.68	3776345.34	0.00095	464588.68		

```
3776345.34        0.00090
         464138.68    3776395.34        0.00117                        464188.68
3776395.34        0.00114
         464238.68    3776395.34        0.00107                        464288.68
3776395.34        0.00105
         464338.68    3776395.34        0.00103                        464388.68
3776395.34        0.00101
         464438.68    3776395.34        0.00098                        464488.68
3776395.34        0.00093
         464538.68    3776395.34        0.00092                        464588.68
3776395.34        0.00089
         464138.68    3776445.34        0.00108                        464188.68
3776445.34        0.00106
         464238.68    3776445.34        0.00099                        464288.68
3776445.34        0.00097
         464338.68    3776445.34        0.00096                        464388.68
3776445.34        0.00095
         464438.68    3776445.34        0.00093                        464488.68
3776445.34        0.00090
         464538.68    3776445.34        0.00089                        464588.68
3776445.34        0.00088
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***       09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:00:55

                                    PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
                  L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                  L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
                  L0034410    , L0034411    , L0034412    , L0034413    , L0034414
, L0034415    , L0034416    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        463437.12   3775314.91        0.00633  (13071606)               463487.12
3775314.91        0.00630  (13071606)
        463537.12   3775314.91        0.00624  (13071606)               463587.12
3775314.91        0.00619  (13071606)
        463637.12   3775314.91        0.00613  (13071606)               463687.12
3775314.91        0.00605  (13071606)
        463737.12   3775314.91        0.00634  (16012717)               463787.12
3775314.91        0.00711  (16012717)
        463837.12   3775314.91        0.00764  (16012717)               463887.12
3775314.91        0.00741  (16012717)
        463937.12   3775314.91        0.00611  (16012717)               463987.12
3775314.91        0.00511  (13071606)
        464037.12   3775314.91        0.00485  (13071606)               464087.12
3775314.91        0.00547  (13041207)
        464137.12   3775314.91        0.00578  (13041207)               464187.12
3775314.91        0.00532  (13041207)
        464237.12   3775314.91        0.00420  (13041207)               464287.12
3775314.91        0.00391  (11011708)
        464337.12   3775314.91        0.00382  (15102917)               463437.12
3775364.91        0.00723  (13071606)
        463487.12   3775364.91        0.00719  (13071606)               463537.12
3775364.91        0.00714  (13071606)
        463587.12   3775364.91        0.00709  (13071606)               463637.12
3775364.91        0.00702  (13071606)
        463687.12   3775364.91        0.00695  (13071606)               463737.12
3775364.91        0.00700  (16012717)
        463787.12   3775364.91        0.00795  (16012717)               463837.12
3775364.91        0.00884  (16012717)
        463887.12   3775364.91        0.00902  (16012717)               463937.12
3775364.91        0.00784  (16012717)
        463987.12   3775364.91        0.00588  (13071606)               464037.12
3775364.91        0.00586  (13041207)
        464087.12   3775364.91        0.00670  (13041207)               464137.12
3775364.91        0.00685  (13041207)
        464187.12   3775364.91        0.00590  (13041207)               464237.12
3775364.91        0.00440  (15102917)
        464287.12   3775364.91        0.00428  (15102917)               464337.12
3775364.91        0.00419  (15102917)
        463437.12   3775414.91        0.00839  (13071606)               463487.12
3775414.91        0.00835  (13071606)
        463537.12   3775414.91        0.00831  (13071606)               463587.12
3775414.91        0.00827  (13071606)
        463637.12   3775414.91        0.00821  (13071606)               463687.12
3775414.91        0.00814  (13071606)
        463737.12   3775414.91        0.00806  (13071606)               463787.12
3775414.91        0.00895  (16012717)
        463837.12   3775414.91        0.01025  (16012717)               463887.12
3775414.91        0.01103  (16012717)
        463937.12   3775414.91        0.01022  (16012717)               463987.12
3775414.91        0.00734  (16012717)
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        464037.12   3775414.91        0.00734  (13041207)               464087.12
3775414.91        0.00840  (13041207)
        464137.12   3775414.91        0.00814  (13041207)               464187.12
3775414.91        0.00640  (13041207)
        464237.12   3775414.91        0.00490  (15102917)               464287.12
3775414.91        0.00475  (15102917)
        463437.12   3775464.91        0.01000  (13071606)               463487.12
3775464.91        0.00996  (13071606)
        463537.12   3775464.91        0.00994  (13071606)               463587.12
3775464.91        0.00990  (13071606)
        463637.12   3775464.91        0.00986  (13071606)               463687.12
3775464.91        0.00980  (13071606)
        463737.12   3775464.91        0.00972  (13071606)               463787.12
3775464.91        0.01031  (16012717)
        463837.12   3775464.91        0.01195  (16012717)               463887.12
3775464.91        0.01349  (16012717)
        463937.12   3775464.91        0.01349  (16012717)               463987.12
3775464.91        0.01037  (16012717)
        464037.12   3775464.91        0.00958  (13041207)               464087.12
3775464.91        0.01080  (13041207)
        464137.12   3775464.91        0.00959  (13041207)               464187.12
3775464.91        0.00670  (13041207)
        464237.12   3775464.91        0.00555  (15102917)               464287.12
3775464.91        0.00524  (15102917)
        463437.12   3775514.91        0.01240  (13071606)               463487.12
3775514.91        0.01237  (13071606)
        463537.12   3775514.91        0.01237  (13071606)               463587.12
3775514.91        0.01234  (13071606)
        463637.12   3775514.91        0.01231  (13071606)               463687.12
3775514.91        0.01228  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:00:55

                                   PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
                  L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                  L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
                  L0034410    , L0034411    , L0034412    , L0034413    , L0034414
, L0034415    , L0034416    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463737.12	3775514.91	0.01222	(13071606)	463787.12	3775514.91	0.01243	(16012717)
463837.12	3775514.91	0.01433	(16012717)	463887.12	3775514.91	0.01671	(16012717)
463937.12	3775514.91	0.01813	(16012717)	463987.12	3775514.91	0.01535	(16012717)
464037.12	3775514.91	0.01320	(13041207)	464087.12	3775514.91	0.01428	(13041207)
464137.12	3775514.91	0.01101	(13041207)	464187.12	3775514.91	0.00675	(15102917)
464237.12	3775514.91	0.00634	(15102917)	463437.12	3775564.91	0.01647	(13071606)
463487.12	3775564.91	0.01646	(13071606)	463537.12	3775564.91	0.01649	(13071606)
463587.12	3775564.91	0.01648	(13071606)	463637.12	3775564.91	0.01649	(13071606)
463687.12	3775564.91	0.01651	(13071606)	463737.12	3775564.91	0.01649	(13071606)
463787.12	3775564.91	0.01645	(13071606)	463837.12	3775564.91	0.01847	(16012717)
463887.12	3775564.91	0.02159	(16012717)	463937.12	3775564.91	0.02495	(16012717)
463987.12	3775564.91	0.02434	(16012717)	464037.12	3775564.91	0.01991	(13041207)
464087.12	3775564.91	0.01935	(13041207)	464137.12	3775564.91	0.01192	(13041207)
464187.12	3775564.91	0.00848	(11061807)	464237.12	3775564.91	0.00820	(11061807)
463437.12	3775614.91	0.02549	(13071606)	463487.12	3775614.91	0.02549	(13071606)
463537.12	3775614.91	0.02564	(13071606)	463587.12	3775614.91	0.02572	(13071606)
463637.12	3775614.91	0.02573	(13071606)	463687.12	3775614.91	0.02605	(11092608)
463737.12	3775614.91	0.02690	(11092608)	463787.12	3775614.91	0.02772	(11092608)
463837.12	3775614.91	0.02839	(16012717)	463887.12	3775614.91	0.03221	(16012717)
463937.12	3775614.91	0.03736	(16012717)	463987.12	3775614.91	0.04210	(16012717)
464037.12	3775614.91	0.03531	(13041207)	464087.12			

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3775614.91        0.02555  (13041207)
        464137.12   3775614.91        0.01526  (11061807)                464187.12
3775614.91        0.01357  (11061807)
        464237.12   3775614.91        0.01180  (11061807)                463437.12
3775664.91        0.07496  (13071606)
        463487.12   3775664.91        0.07564  (13071606)                463537.12
3775664.91        0.07692  (13071606)
        463587.12   3775664.91        0.07736  (13071606)                463637.12
3775664.91        0.07736  (13071606)
        463687.12   3775664.91        0.07759  (13071606)                463737.12
3775664.91        0.07834  (13071606)
        463787.12   3775664.91        0.07942  (13071606)                463837.12
3775664.91        0.08107  (13071606)
        463887.12   3775664.91        0.08265  (13071606)                463937.12
3775664.91        0.08467  (11092608)
        463987.12   3775664.91        0.08646  (11092608)                464037.12
3775664.91        0.10305  (16012717)
        464087.12   3775664.91        0.04000  (11061807)                464137.12
3775664.91        0.02450  (11061807)
        464187.12   3775664.91        0.01750  (11061807)                464237.12
3775664.91        0.01351  (11061807)
        464537.12   3775764.91        0.00518  (13041407)                464587.12
3775764.91        0.00477  (11032818)
        464487.12   3775814.91        0.00692  (15102517)                464537.12
3775814.91        0.00590  (15102517)
        464587.12   3775814.91        0.00508  (15102517)                464437.12
3775864.91        0.00888  (15102517)
        464487.12   3775864.91        0.00770  (15102517)                464537.12
3775864.91        0.00670  (15102517)
        464587.12   3775864.91        0.00586  (15102517)                464437.12
3775914.91        0.00879  (15102517)
        464487.12   3775914.91        0.00784  (15102517)                464537.12
3775914.91        0.00699  (15102517)
        464587.12   3775914.91        0.00624  (15102517)                464437.12
3775964.91        0.00808  (15102517)
        464487.12   3775964.91        0.00740  (15102517)                464537.12
3775964.91        0.00677  (15102517)
        464587.12   3775964.91        0.00618  (15102517)                464437.12
3776014.91        0.00695  (15102517)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
```

, L0034391   , L0034392   , L0034393   ,
                L0034394   , L0034395   , L0034396   , L0034397   , L0034398
, L0034399   , L0034400   , L0034401   ,
                L0034402   , L0034403   , L0034404   , L0034405   , L0034406
, L0034407   , L0034408   , L0034409   ,
                L0034410   , L0034411   , L0034412   , L0034413   , L0034414
, L0034415   , L0034416   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        463106.48   3775313.51        0.00648  (13071606)                463156.48
3775313.51        0.00646  (13071606)
        463206.48   3775313.51        0.00644  (13071606)                463256.48
3775313.51        0.00642  (13071606)
        463306.48   3775313.51        0.00639  (13071606)                463356.48
3775313.51        0.00636  (13071606)
        463406.48   3775313.51        0.00633  (13071606)                463056.48
3775363.51        0.00738  (13071606)
        463106.48   3775363.51        0.00734  (13071606)                463156.48
3775363.51        0.00733  (13071606)
        463206.48   3775363.51        0.00731  (13071606)                463256.48
3775363.51        0.00729  (13071606)
        463306.48   3775363.51        0.00727  (13071606)                463356.48
3775363.51        0.00724  (13071606)
        463406.48   3775363.51        0.00721  (13071606)                463056.48
3775413.51        0.00852  (13071606)
        463106.48   3775413.51        0.00848  (13071606)                463156.48
3775413.51        0.00848  (13071606)
        463206.48   3775413.51        0.00847  (13071606)                463256.48
3775413.51        0.00845  (13071606)
        463306.48   3775413.51        0.00843  (13071606)                463356.48
3775413.51        0.00840  (13071606)
        463406.48   3775413.51        0.00837  (13071606)                463056.48
3775463.51        0.01009  (13071606)
        463106.48   3775463.51        0.01005  (13071606)                463156.48
3775463.51        0.01005  (13071606)
        463206.48   3775463.51        0.01004  (13071606)                463256.48
3775463.51        0.01003  (13071606)
        463306.48   3775463.51        0.01001  (13071606)                463356.48
3775463.51        0.00999  (13071606)
        463406.48   3775463.51        0.00996  (13071606)                463056.48
3775513.51        0.01242  (13071606)
        463106.48   3775513.51        0.01237  (13071606)                463156.48
3775513.51        0.01238  (13071606)
        463206.48   3775513.51        0.01236  (13071606)                463256.48
3775513.51        0.01235  (13071606)
        463306.48   3775513.51        0.01234  (13071606)                463356.48
3775513.51        0.01233  (13071606)
        463406.48   3775513.51        0.01233  (13071606)                463056.48
3775563.51        0.01634  (13071606)
        463106.48   3775563.51        0.01629  (13071606)                463156.48
3775563.51        0.01632  (13071606)
        463206.48   3775563.51        0.01632  (13071606)                463256.48
3775563.51        0.01631  (13071606)
        463306.48   3775563.51        0.01630  (13071606)                463356.48
3775563.51        0.01629  (13071606)
        463406.48   3775563.51        0.01632  (13071606)                463056.48
3775613.51        0.02489  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0034389   , L0034390 , L0034391   , L0034392   , L0034393   ,
                                 L0034394   , L0034395   , L0034396   , L0034397   , L0034398 , L0034399   , L0034400   , L0034401   ,
                                 L0034402   , L0034403   , L0034404   , L0034405   , L0034406 , L0034407   , L0034408   , L0034409   ,
                                 L0034410   , L0034411   , L0034412   , L0034413   , L0034414 , L0034415   , L0034416   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3775312.34 0.00499 (13071606)
461519.19 3775312.34 0.00521 (13071606) 461569.19
3775312.34 0.00541 (13071606)
461619.19 3775312.34 0.00578 (13041207) 461669.19
3775312.34 0.00609 (13041207)
461719.19 3775312.34 0.00603 (13041207) 461769.19
3775312.34 0.00600 (13071606)
461819.19 3775312.34 0.00609 (13071606) 461869.19
3775312.34 0.00617 (13071606)
461919.19 3775312.34 0.00624 (13071606) 461969.19
3775312.34 0.00630 (13071606)
462019.19 3775312.34 0.00635 (13071606) 462069.19
3775312.34 0.00638 (13071606)
462119.19 3775312.34 0.00642 (13071606) 462169.19
3775312.34 0.00645 (13071606)
462219.19 3775312.34 0.00647 (13071606) 462269.19
3775312.34 0.00649 (13071606)
462319.19 3775312.34 0.00651 (13071606) 462369.19
3775312.34 0.00652 (13071606)
462419.19 3775312.34 0.00653 (13071606) 462469.19
3775312.34 0.00655 (13071606)
462519.19 3775312.34 0.00655 (13071606) 462569.19
3775312.34 0.00656 (13071606)
462619.19 3775312.34 0.00655 (13071606) 462669.19
3775312.34 0.00656 (13071606)
462719.19 3775312.34 0.00655 (13071606) 462769.19
3775312.34 0.00654 (13071606)
462819.19 3775312.34 0.00654 (13071606) 462869.19
3775312.34 0.00653 (13071606)
462919.19 3775312.34 0.00652 (13071606) 462969.19
3775312.34 0.00651 (13071606)
463019.19 3775312.34 0.00649 (13071606) 461019.19
3775362.34 0.00375 (11011621)
461069.19 3775362.34 0.00382 (11011621) 461119.19
3775362.34 0.00394 (11011621)
461169.19 3775362.34 0.00404 (11011621) 461219.19
3775362.34 0.00451 (16012717)
461269.19 3775362.34 0.00539 (16012717) 461319.19
3775362.34 0.00608 (16012717)
461369.19 3775362.34 0.00629 (16012717) 461469.19
3775362.34 0.00564 (13071606)
461519.19 3775362.34 0.00593 (13071606) 461569.19
3775362.34 0.00622 (13041207)
461619.19 3775362.34 0.00696 (13041207) 461669.19
3775362.34 0.00704 (13041207)
461719.19 3775362.34 0.00683 (13041207) 461769.19
3775362.34 0.00685 (13071606)
461819.19 3775362.34 0.00695 (13071606) 461869.19
3775362.34 0.00703 (13071606)
461919.19 3775362.34 0.00710 (13071606) 461969.19

3775362.34 0.00716 (13071606)
  462019.19 3775362.34 0.00721 (13071606) 462069.19
3775362.34 0.00724 (13071606)
  462119.19 3775362.34 0.00729 (13071606) 462169.19
3775362.34 0.00732 (13071606)
  462219.19 3775362.34 0.00734 (13071606) 462269.19
3775362.34 0.00736 (13071606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775362.34	0.00738	(13071606)	462369.19	3775362.34	0.00739	(13071606)
462419.19	3775362.34	0.00740	(13071606)	462469.19	3775362.34	0.00741	(13071606)
462519.19	3775362.34	0.00742	(13071606)	462569.19	3775362.34	0.00742	(13071606)
462619.19	3775362.34	0.00742	(13071606)	462669.19	3775362.34	0.00742	(13071606)
462719.19	3775362.34	0.00742	(13071606)	462769.19	3775362.34	0.00741	(13071606)
462819.19	3775362.34	0.00741	(13071606)	462869.19	3775362.34	0.00740	(13071606)
462919.19	3775362.34	0.00739	(13071606)	462969.19	3775362.34	0.00738	(13071606)

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        463019.19   3775362.34        0.00736  (13071606)               461019.19
3775412.34        0.00418  (11050122)
        461069.19   3775412.34        0.00428  (13112718)               461119.19
3775412.34        0.00442  (13112718)
        461169.19   3775412.34        0.00450  (11011621)               461219.19
3775412.34        0.00467  (16012717)
        461269.19   3775412.34        0.00579  (16012717)               461319.19
3775412.34        0.00688  (16012717)
        461369.19   3775412.34        0.00744  (16012717)               461469.19
3775412.34        0.00664  (16012717)
        461519.19   3775412.34        0.00687  (13071606)               461569.19
3775412.34        0.00793  (13041207)
        461619.19   3775412.34        0.00836  (13041207)               461669.19
3775412.34        0.00816  (13041207)
        461719.19   3775412.34        0.00783  (13041207)               461769.19
3775412.34        0.00796  (13071606)
        461819.19   3775412.34        0.00807  (13071606)               461869.19
3775412.34        0.00815  (13071606)
        461919.19   3775412.34        0.00822  (13071606)               461969.19
3775412.34        0.00828  (13071606)
        462019.19   3775412.34        0.00833  (13071606)               462069.19
3775412.34        0.00837  (13071606)
        462119.19   3775412.34        0.00841  (13071606)               462169.19
3775412.34        0.00845  (13071606)
        462219.19   3775412.34        0.00847  (13071606)               462269.19
3775412.34        0.00850  (13071606)
        462319.19   3775412.34        0.00851  (13071606)               462369.19
3775412.34        0.00852  (13071606)
        462419.19   3775412.34        0.00853  (13071606)               462469.19
3775412.34        0.00855  (13071606)
        462519.19   3775412.34        0.00856  (13071606)               462569.19
3775412.34        0.00856  (13071606)
        462619.19   3775412.34        0.00855  (13071606)               462669.19
3775412.34        0.00856  (13071606)
        462719.19   3775412.34        0.00855  (13071606)               462769.19
3775412.34        0.00854  (13071606)
        462819.19   3775412.34        0.00854  (13071606)               462869.19
3775412.34        0.00852  (13071606)
        462919.19   3775412.34        0.00851  (13071606)               462969.19
3775412.34        0.00851  (13071606)
        463019.19   3775412.34        0.00849  (13071606)               461019.19
3775462.34        0.00460  (13112719)
        461069.19   3775462.34        0.00480  (13112719)               461119.19
3775462.34        0.00499  (13112719)
        461169.19   3775462.34        0.00514  (11050122)               461219.19
3775462.34        0.00536  (13112718)
        461269.19   3775462.34        0.00614  (16012717)               461319.19
3775462.34        0.00779  (16012717)
        461369.19   3775462.34        0.00897  (16012717)               461469.19
3775462.34        0.00811  (16012717)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
461519.19	3775462.34	0.00877	(13041207)	461569.19	3775462.34	0.01012	(13041207)
461619.19	3775462.34	0.01005	(13041207)	461669.19	3775462.34	0.00961	(13041207)
461719.19	3775462.34	0.00935	(13071606)	461769.19	3775462.34	0.00950	(13071606)
461819.19	3775462.34	0.00961	(13071606)	461869.19	3775462.34	0.00968	(13071606)
461919.19	3775462.34	0.00976	(13071606)	461969.19	3775462.34	0.00983	(13071606)
462019.19	3775462.34	0.00988	(13071606)	462069.19	3775462.34	0.00993	(13071606)
462119.19	3775462.34	0.00997	(13071606)	462169.19	3775462.34	0.01000	(13071606)
462219.19	3775462.34	0.01002	(13071606)	462269.19	3775462.34	0.01005	(13071606)
462319.19	3775462.34	0.01006	(13071606)	462369.19	3775462.34	0.01008	(13071606)
462419.19	3775462.34	0.01008	(13071606)	462469.19	3775462.34	0.01010	(13071606)
462519.19	3775462.34	0.01011	(13071606)	462569.19			

3775462.34 0.01011 (13071606)
462619.19 3775462.34 0.01011 (13071606) 462669.19
3775462.34 0.01012 (13071606)
462719.19 3775462.34 0.01011 (13071606) 462769.19
3775462.34 0.01010 (13071606)
462819.19 3775462.34 0.01009 (13071606) 462869.19
3775462.34 0.01007 (13071606)
462919.19 3775462.34 0.01006 (13071606) 462969.19
3775462.34 0.01005 (13071606)
463019.19 3775462.34 0.01005 (13071606) 461019.19
3775512.34 0.00519 (13112717)
461069.19 3775512.34 0.00546 (13112717) 461119.19
3775512.34 0.00565 (13112717)
461169.19 3775512.34 0.00589 (13112719) 461219.19
3775512.34 0.00621 (13112719)
461269.19 3775512.34 0.00679 (11092608) 461319.19
3775512.34 0.00868 (16012717)
461369.19 3775512.34 0.01106 (16012717) 461469.19
3775512.34 0.01034 (16012717)
461519.19 3775512.34 0.01234 (13041207) 461569.19
3775512.34 0.01295 (13041207)
461619.19 3775512.34 0.01229 (13041207) 461669.19
3775512.34 0.01168 (13041207)
461719.19 3775512.34 0.01157 (13071606) 461769.19
3775512.34 0.01175 (13071606)
461819.19 3775512.34 0.01188 (13071606) 461869.19
3775512.34 0.01194 (13071606)
461919.19 3775512.34 0.01201 (13071606) 461969.19
3775512.34 0.01208 (13071606)
462019.19 3775512.34 0.01215 (13071606) 462069.19
3775512.34 0.01220 (13071606)
462119.19 3775512.34 0.01225 (13071606) 462169.19
3775512.34 0.01228 (13071606)
462219.19 3775512.34 0.01230 (13071606) 462269.19
3775512.34 0.01233 (13071606)
462319.19 3775512.34 0.01235 (13071606) 462369.19
3775512.34 0.01237 (13071606)
462419.19 3775512.34 0.01238 (13071606) 462469.19
3775512.34 0.01240 (13071606)
462519.19 3775512.34 0.01241 (13071606) 462569.19
3775512.34 0.01241 (13071606)
462619.19 3775512.34 0.01241 (13071606) 462669.19
3775512.34 0.01242 (13071606)
462719.19 3775512.34 0.01240 (13071606) 462769.19
3775512.34 0.01239 (13071606)
462819.19 3775512.34 0.01239 (13071606) 462869.19
3775512.34 0.01235 (13071606)
462919.19 3775512.34 0.01235 (13071606) 462969.19
3775512.34 0.01235 (13071606)
463019.19 3775512.34 0.01235 (13071606) 461019.19

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3775562.34        0.00566  (16092603)
        461069.19   3775562.34        0.00596  (13112717)                461119.19
3775562.34        0.00630  (13112717)
        461169.19   3775562.34        0.00670  (13112717)                461219.19
3775562.34        0.00729  (13112717)
        461269.19   3775562.34        0.00788  (11092608)                461319.19
3775562.34        0.00991  (11092608)
        461369.19   3775562.34        0.01391  (16012717)                461469.19
3775562.34        0.01463  (13041207)
        461519.19   3775562.34        0.01775  (13041207)                461569.19
3775562.34        0.01695  (13041207)
        461619.19   3775562.34        0.01584  (13041207)                461669.19
3775562.34        0.01524  (13041207)
        461719.19   3775562.34        0.01529  (13071606)                461769.19
3775562.34        0.01550  (13071606)
        461819.19   3775562.34        0.01564  (13071606)                461869.19
3775562.34        0.01571  (13071606)
        461919.19   3775562.34        0.01577  (13071606)                461969.19
3775562.34        0.01581  (13071606)
        462019.19   3775562.34        0.01589  (13071606)                462069.19
3775562.34        0.01594  (13071606)
        462119.19   3775562.34        0.01601  (13071606)                462169.19
3775562.34        0.01604  (13071606)
        462219.19   3775562.34        0.01609  (13071606)                462269.19
3775562.34        0.01613  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
                  L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                  L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
                  L0034410    , L0034411    , L0034412    , L0034413    , L0034414
, L0034415    , L0034416    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775562.34	0.01616	(13071606)	462369.19	3775562.34	0.01619	(13071606)
462419.19	3775562.34	0.01621	(13071606)	462469.19	3775562.34	0.01625	(13071606)
462519.19	3775562.34	0.01627	(13071606)	462569.19	3775562.34	0.01628	(13071606)
462619.19	3775562.34	0.01628	(13071606)	462669.19	3775562.34	0.01627	(13071606)
462719.19	3775562.34	0.01625	(13071606)	462769.19	3775562.34	0.01623	(13071606)
462819.19	3775562.34	0.01623	(13071606)	462869.19	3775562.34	0.01619	(13071606)
462919.19	3775562.34	0.01623	(13071606)	462969.19	3775562.34	0.01624	(13071606)
463019.19	3775562.34	0.01623	(13071606)	461019.19	3775612.34	0.00624	(16092603)
461069.19	3775612.34	0.00653	(16092603)	461119.19	3775612.34	0.00703	(16092603)
461169.19	3775612.34	0.00756	(16092603)	461219.19	3775612.34	0.00836	(16092603)
461269.19	3775612.34	0.00955	(16092603)	461319.19	3775612.34	0.01214	(11092608)
461369.19	3775612.34	0.01729	(16012717)	461469.19	3775612.34	0.02731	(13041207)
461519.19	3775612.34	0.02715	(13041207)	461569.19	3775612.34	0.02492	(13041207)
461619.19	3775612.34	0.02379	(13041207)	461669.19	3775612.34	0.02324	(13041207)
461719.19	3775612.34	0.02305	(13071606)	461769.19	3775612.34	0.02331	(13071606)
461819.19	3775612.34	0.02347	(13071606)	461869.19	3775612.34	0.02356	(13071606)
461919.19	3775612.34	0.02364	(13071606)	461969.19	3775612.34	0.02361	(13071606)
462019.19	3775612.34	0.02373	(13071606)	462069.19	3775612.34	0.02374	(13071606)
462119.19	3775612.34	0.02388	(13071606)	462169.19	3775612.34	0.02393	(13071606)
462219.19	3775612.34	0.02408	(13071606)	462269.19	3775612.34	0.02418	(13071606)
462319.19	3775612.34	0.02424	(13071606)	462369.19	3775612.34	0.02432	(13071606)
462419.19	3775612.34	0.02438	(13071606)	462469.19	3775612.34	0.02444	(13071606)
462519.19	3775612.34	0.02451	(13071606)	462569.19	3775612.34	0.02455	(13071606)

```
        462619.19   3775612.34        0.02456  (13071606)               462669.19
3775612.34        0.02456  (13071606)
        462719.19   3775612.34        0.02449  (13071606)               462769.19
3775612.34        0.02448  (13071606)
        462819.19   3775612.34        0.02443  (13071606)               462869.19
3775612.34        0.02439  (13071606)
        462919.19   3775612.34        0.02448  (13071606)               462969.19
3775612.34        0.02456  (13071606)
        463019.19   3775612.34        0.02458  (13071606)               461019.19
3775662.34        0.00663  (15022320)
        461069.19   3775662.34        0.00706  (15022320)               461119.19
3775662.34        0.00766  (15022320)
        461169.19   3775662.34        0.00840  (16092603)               461219.19
3775662.34        0.00956  (16092603)
        461269.19   3775662.34        0.01115  (16092603)               461319.19
3775662.34        0.01356  (16092603)
        461369.19   3775662.34        0.02421  (11092608)               461469.19
3775662.34        0.05980  (13041207)
        461519.19   3775662.34        0.05392  (13041207)               461569.19
3775662.34        0.05212  (13071606)
        461619.19   3775662.34        0.05278  (13071606)               461669.19
3775662.34        0.05377  (13071606)
        461719.19   3775662.34        0.05451  (13071606)               461769.19
3775662.34        0.05520  (13071606)
        461819.19   3775662.34        0.05587  (13071606)               461869.19
3775662.34        0.05628  (13071606)
        461919.19   3775662.34        0.05675  (13071606)               461969.19
3775662.34        0.05755  (13071606)
        462019.19   3775662.34        0.05836  (13071606)               462069.19
3775662.34        0.05832  (13071606)
        462119.19   3775662.34        0.05871  (13071606)               462169.19
3775662.34        0.05892  (13071606)
        462219.19   3775662.34        0.05971  (13071606)               462269.19
3775662.34        0.06055  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Unmitigated
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:00:55

                                   PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
, L0034391    , L0034392    , L0034393    ,
                L0034394    , L0034395    , L0034396    , L0034397    , L0034398
, L0034399    , L0034400    , L0034401    ,
                L0034402    , L0034403    , L0034404    , L0034405    , L0034406
, L0034407    , L0034408    , L0034409    ,
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L0034410 , L0034411 , L0034412 , L0034413 , L0034414
, L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775662.34	0.06122	(13071606)	462369.19	3775662.34	0.06203	(13071606)
462419.19	3775662.34	0.06279	(13071606)	462469.19	3775662.34	0.06357	(13071606)
462519.19	3775662.34	0.06446	(13071606)	462569.19	3775662.34	0.06482	(13071606)
462619.19	3775662.34	0.06487	(13071606)	462669.19	3775662.34	0.06467	(13071606)
462719.19	3775662.34	0.06428	(13071606)	462769.19	3775662.34	0.06411	(13071606)
462819.19	3775662.34	0.06372	(13071606)	462869.19	3775662.34	0.06359	(13071606)
462919.19	3775662.34	0.06387	(13071606)	462969.19	3775662.34	0.06435	(13071606)
463019.19	3775662.34	0.06451	(13071606)	461369.19	3775912.34	0.02432	(13071606)
461146.60	3775743.55	0.00879	(11012601)	464042.43	3776049.67	0.01204	(16082607)
463968.06	3776150.13	0.00845	(12092406)	463914.57	3776284.52	0.00778	(15031520)
464138.68	3776345.34	0.00340	(16101607)	464188.68	3776345.34	0.00345	(12081120)
464238.68	3776345.34	0.00506	(16021808)	464288.68	3776345.34	0.00493	(16062720)
464338.68	3776345.34	0.00498	(16062720)	464388.68	3776345.34	0.00464	(11011917)
464438.68	3776345.34	0.00430	(11062019)	464488.68	3776345.34	0.00356	(11062019)
464538.68	3776345.34	0.00357	(11062019)	464588.68	3776345.34	0.00309	(13012617)
464138.68	3776395.34	0.00311	(16101607)	464188.68	3776395.34	0.00315	(12081120)
464238.68	3776395.34	0.00519	(15020819)	464288.68	3776395.34	0.00513	(11091920)
464338.68	3776395.34	0.00534	(16062720)	464388.68	3776395.34	0.00488	(15073021)
464438.68	3776395.34	0.00473	(11011917)	464488.68			

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

GROUP ID	NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.03157 AT (463987.12, 3775664.91, 417.53, 417.53, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.03108 AT (463937.12, 3775664.91, 417.86, 417.86, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.03048 AT (463887.12, 3775664.91, 418.38, 418.38, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02988 AT (463837.12, 3775664.91, 418.61, 418.61, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02921 AT (463787.12, 3775664.91, 418.70, 418.70, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02884 AT (463737.12, 3775664.91, 419.04, 419.04, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02862 AT (463687.12, 3775664.91, 419.43, 419.43, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02855 AT (463637.12, 3775664.91, 419.87,		

419.87,   0.00) DC
        9TH HIGHEST VALUE IS   0.02854 AT (463587.12, 3775664.91,   420.28,
420.28,   0.00) DC
       10TH HIGHEST VALUE IS   0.02834 AT (463537.12, 3775664.91,   420.48,
420.48,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                                                        DATE
                                          NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
- -
- -

ALL   HIGH   1ST HIGH VALUE IS   0.10305 ON 16012717: AT (464037.12,
3775664.91,   417.30,   417.30,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

```
 --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    6934       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    6934       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
 12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
 15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

HARP2 - HRACalc (dated 19044) 9/10/2021 10:24:01 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

```
**Worker Adjustment Factors**
Worker adjustment factors enabled: NO

**Fraction at time at home**
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

**********
TIER 2 SETTINGS
Tier2 not used.

**********

Calculating cancer risk
Cancer risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD
RAST\PM10_Olive Grove_Operations_UNMITIGATEDCancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD
RAST\PM10_Olive Grove_Operations_UNMITIGATEDNCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD
RAST\PM10_Olive Grove_Operations_UNMITIGATEDNCAcuteRisk.csv
HRA ran successfully
```

*HARP - HRACalc v19044 9/10/2021 10:24:01 AM - Cancer Risk - Input File: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\PM10_Olive Grove_Operations_UNMITIGATEDHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI
1			9901	DieselExhPM	0.03157	2.73E-05	30YrCancerDerived_Inh_FAH16to70	*	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	30YrCancerDerived_Inh_FAH16to70	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 9/10/2021 10:24:01 AM - Chronic Risk - Input File: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\PM10_Olive Grove_Operations_UNMITIGATEDHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO
1			9901	DieselExhPM	0.03157	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 9/10/2021 10:24:01 AM - Acute Risk - Input File: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\PM10_Olive Grove_Operations_UNMITIGATEDHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.10305	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-02	0.00E+00	4.12E-02	0.00E+00	0.00E+00

Mitigated Operational Emissions Rates

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)	Directional Rate (g/sec)
SR-210 WB Off-Ramp	30	237	5.45E-03	454.7	0.28	3.64E-01	4.21E-06	--
SR-210 EB Off-Ramp	30	237	5.45E-03	475.7	0.30	3.81E-01	4.41E-06	--
SR-210 WB On-Ramp	35	237	6.07E-03	511.3	0.32	4.56E-01	5.27E-06	--
SR-210 EB On-Ramp	35	237	6.07E-03	506.4	0.31	4.51E-01	5.22E-06	--
Alder Ave - SR-210 WB Ramps to SR-210 EB Ramps - SB	50	237	1.08E-02	204.3	0.13	3.24E-01	3.75E-06	1.88E-06
Alder Ave - SR-210 WB Ramps to SR-210 EB Ramps - NB	50	237	1.08E-02	182.7	0.11	2.90E-01	3.36E-06	1.68E-06
Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB	50	237	1.08E-02	1581.4	0.98	2.51E+00	2.91E-05	1.45E-05
Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB	50	237	1.08E-02	1572.1	0.98	2.50E+00	2.89E-05	1.44E-05
Baseline Rd - Alder Ave to Site Entrance - EB	45	237	8.73E-03	2643	1.64	3.39E+00	3.93E-05	1.96E-05
Baseline Rd - Alder Ave to Site Entrance - WB	45	237	8.73E-03	2618.1	1.63	3.36E+00	3.89E-05	1.94E-05
Site Entrance	10	473	8.11E-03	45.7	0.03	1.09E-01	1.26E-06	--
On-Site Movement - Bldg 1	5	287	9.16E-03	301.2	0.19	4.93E-01	5.70E-06	--
On-Site Movement - Bldg 2	5	186	9.16E-03	224.2	0.14	2.37E-01	2.75E-06	--
On-Site Idling - Bldg 1	0	287	1.84E-02	260.5	0.16	8.55E-01	9.90E-06	--
On-Site Idling - Bldg 2	0	186	1.84E-02	195.7	0.12	4.16E-01	4.81E-06	--

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: San Bernardino (SC)
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	VMT	Trips	PM10_IDLEX	Trip wt
San Bernardino (SC)	2021	HHDT	2014	Aggregate	DSL	1074.102	134803.7	11627.34	0.01979582	230.1727869
San Bernardino (SC)	2021	HHDT	2015	Aggregate	DSL	1235.737	181043.5	14360.02	0.024306784	349.0459042
San Bernardino (SC)	2021	HHDT	2016	Aggregate	DSL	1883.975	305749.7	22788.21	0.028399028	647.1631217
San Bernardino (SC)	2021	HHDT	2017	Aggregate	DSL	674.6834	98006.77	6906.158	0.022555149	155.769432
San Bernardino (SC)	2021	HHDT	2018	Aggregate	DSL	559.2931	95018.84	6237.862	0.025442831	158.708876
San Bernardino (SC)	2021	HHDT	2019	Aggregate	DSL	535.6381	94077.87	5940.862	0.025978371	154.3339146
San Bernardino (SC)	2021	HHDT	2020	Aggregate	DSL	527.4644	95844.95	5878.315	0.026692587	156.9074254
San Bernardino (SC)	2021	HHDT	2021	Aggregate	DSL	355.0528	62649.43	3865.497	0.024786751	95.81311704
San Bernardino (SC)	2021	HHDT	2022	Aggregate	DSL	163.7188	15033.77	1940.206	0.032274247	62.61868614
San Bernardino (SC)	2021	LHDT1	2014	Aggregate	DSL	278.5915	10875	3504.33	0.027616843	96.77854003
San Bernardino (SC)	2021	LHDT1	2015	Aggregate	DSL	529.0497	21693.79	6654.78	0.027616843	183.7840042
San Bernardino (SC)	2021	LHDT1	2016	Aggregate	DSL	844.4775	36548.06	10622.47	0.027616843	293.3589513
San Bernardino (SC)	2021	LHDT1	2017	Aggregate	DSL	569.478	26177.83	7163.317	0.027616843	197.8281921
San Bernardino (SC)	2021	LHDT1	2018	Aggregate	DSL	596.5473	29385.57	7503.815	0.027616843	207.2316804
San Bernardino (SC)	2021	LHDT1	2019	Aggregate	DSL	617.8217	33055.12	7771.42	0.027616843	214.6220868
San Bernardino (SC)	2021	LHDT1	2020	Aggregate	DSL	635.1939	37783.38	7989.941	0.027616843	220.6569323
San Bernardino (SC)	2021	LHDT1	2021	Aggregate	DSL	491.1426	34236.08	6177.956	0.027616843	170.6156492
San Bernardino (SC)	2021	LHDT2	2014	Aggregate	DSL	168.8689	6394.675	2124.158	0.027616843	58.66253155
San Bernardino (SC)	2021	LHDT2	2015	Aggregate	DSL	327.2757	12985.4	4116.716	0.027616843	113.6907047
San Bernardino (SC)	2021	LHDT2	2016	Aggregate	DSL	205.7048	8591.517	2587.507	0.027616843	71.45877779
San Bernardino (SC)	2021	LHDT2	2017	Aggregate	DSL	230.423	10193.22	2898.432	0.027616843	80.04553357
San Bernardino (SC)	2021	LHDT2	2018	Aggregate	DSL	237.666	11232.33	2989.539	0.027616843	82.56163937
San Bernardino (SC)	2021	LHDT2	2019	Aggregate	DSL	243.1961	12441.8	3059.101	0.027616843	84.48272059
San Bernardino (SC)	2021	LHDT2	2020	Aggregate	DSL	248.4246	14074.31	3124.869	0.027616843	86.29902705
San Bernardino (SC)	2021	LHDT2	2021	Aggregate	DSL	194.185	12825.43	2442.603	0.027616843	67.45697788
San Bernardino (SC)	2021	MHDT	2014	Aggregate	DSL	783.6308	54552.9	7874.102	0.000810637	6.383038979
San Bernardino (SC)	2021	MHDT	2015	Aggregate	DSL	917.0944	71343.13	9462.684	0.000826243	7.818479977
San Bernardino (SC)	2021	MHDT	2016	Aggregate	DSL	1353.823	106896.4	14116.56	0.000805754	11.37447923
San Bernardino (SC)	2021	MHDT	2017	Aggregate	DSL	826.9061	68636.86	8584.483	0.000849847	7.295495215
San Bernardino (SC)	2021	MHDT	2018	Aggregate	DSL	829.9252	73135.22	8705.435	0.000806561	7.021467052
San Bernardino (SC)	2021	MHDT	2019	Aggregate	DSL	857.6678	77935.34	8992.719	0.000805328	7.242087289
San Bernardino (SC)	2021	MHDT	2020	Aggregate	DSL	851.466	79007.49	8914.726	0.00080572	7.182769262
San Bernardino (SC)	2021	MHDT	2021	Aggregate	DSL	616.0715	57972.9	6442.94	0.000828128	5.335578876
San Bernardino (SC)	2021	MHDT	2022	Aggregate	DSL	120.254	5064.037	1243.793	0.000767912	0.955123909
						20584.55	1995266	234612.9		4300.675733
										0.018330945

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: San Bernardino (SC)
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	2014	5	DSL	589.5981	0.012356654	7.285459029
San Bernardino (SC)	2021	HHDT	2015	5	DSL	447.9513	0.010890627	4.878470094
San Bernardino (SC)	2021	HHDT	2016	5	DSL	329.0988	0.010114689	3.328731723
San Bernardino (SC)	2021	HHDT	2017	5	DSL	231.5016	0.008750235	2.025693017
San Bernardino (SC)	2021	HHDT	2018	5	DSL	230.0842	0.007668533	1.764408498
San Bernardino (SC)	2021	HHDT	2019	5	DSL	229.6217	0.006600174	1.515543022
San Bernardino (SC)	2021	HHDT	2020	5	DSL	230.4458	0.005581144	1.2861512
San Bernardino (SC)	2021	HHDT	2021	5	DSL	154.3519	0.004536684	0.700245729
San Bernardino (SC)	2021	HHDT	2022	5	DSL	67.59503	0.003503594	0.236825529
San Bernardino (SC)	2021	LHDT1	2014	5	DSL	4.018155	0.028090886	0.112873548
San Bernardino (SC)	2021	LHDT1	2015	5	DSL	8.015543	0.025916335	0.207733502
San Bernardino (SC)	2021	LHDT1	2016	5	DSL	13.50399	0.023619756	0.318960855
San Bernardino (SC)	2021	LHDT1	2017	5	DSL	9.672332	0.021201148	0.205064538
San Bernardino (SC)	2021	LHDT1	2018	5	DSL	10.85755	0.017393441	0.188850113
San Bernardino (SC)	2021	LHDT1	2019	5	DSL	12.21339	0.012803193	0.156370422
San Bernardino (SC)	2021	LHDT1	2020	5	DSL	13.96042	0.00880877	0.122974114
San Bernardino (SC)	2021	LHDT1	2021	5	DSL	12.64974	0.005503127	0.069613123
San Bernardino (SC)	2021	LHDT2	2014	5	DSL	2.362741	0.028090886	0.066371485
San Bernardino (SC)	2021	LHDT2	2015	5	DSL	4.797921	0.025916335	0.124344527
San Bernardino (SC)	2021	LHDT2	2016	5	DSL	3.174443	0.023619756	0.07497956
San Bernardino (SC)	2021	LHDT2	2017	5	DSL	3.766251	0.021201148	0.079848836
San Bernardino (SC)	2021	LHDT2	2018	5	DSL	4.150184	0.018660512	0.077444552
San Bernardino (SC)	2021	LHDT2	2019	5	DSL	4.597066	0.015997848	0.073543168
San Bernardino (SC)	2021	LHDT2	2020	5	DSL	5.200256	0.013213156	0.068711786
San Bernardino (SC)	2021	LHDT2	2021	5	DSL	4.738814	0.010306435	0.048840282
San Bernardino (SC)	2021	MHDT	2014	5	DSL	24.60674	0.005033692	0.123862742
San Bernardino (SC)	2021	MHDT	2015	5	DSL	32.18018	0.00444529	0.143050211
San Bernardino (SC)	2021	MHDT	2016	5	DSL	48.21689	0.004123105	0.198803302
San Bernardino (SC)	2021	MHDT	2017	5	DSL	30.95948	0.003774173	0.116846425
San Bernardino (SC)	2021	MHDT	2018	5	DSL	32.98852	0.003418506	0.11277146
San Bernardino (SC)	2021	MHDT	2019	5	DSL	35.15367	0.003045645	0.107065595
San Bernardino (SC)	2021	MHDT	2020	5	DSL	35.63728	0.002665626	0.094995644
San Bernardino (SC)	2021	MHDT	2021	5	DSL	26.14937	0.002286705	0.059795893
San Bernardino (SC)	2021	MHDT	2022	5	DSL	2.284195	0.00190887	0.00436023
						2988.873		27.38930336
								0.009163756

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: San Bernardino (SC)
Calendar Year: 2021
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Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	2014	10	DSL	1951.851	0.010789144	21.0588032
San Bernardino (SC)	2021	HHDT	2015	10	DSL	2123.732	0.009723713	20.65055572
San Bernardino (SC)	2021	HHDT	2016	10	DSL	2946.389	0.009073436	26.73387035
San Bernardino (SC)	2021	HHDT	2017	10	DSL	1128.873	0.00783485	8.84455119
San Bernardino (SC)	2021	HHDT	2018	10	DSL	1102.479	0.006956183	7.669043874
San Bernardino (SC)	2021	HHDT	2019	10	DSL	1093.864	0.006003196	6.566683117
San Bernardino (SC)	2021	HHDT	2020	10	DSL	1109.212	0.005052099	5.603848842
San Bernardino (SC)	2021	HHDT	2021	10	DSL	729.0096	0.004048742	2.951572011
San Bernardino (SC)	2021	HHDT	2022	10	DSL	221.9312	0.003081114	0.683795245
San Bernardino (SC)	2021	LHDT1	2014	10	DSL	69.40061	0.026402925	1.832379018
San Bernardino (SC)	2021	LHDT1	2015	10	DSL	138.4425	0.024359041	3.372326959
San Bernardino (SC)	2021	LHDT1	2016	10	DSL	233.2376	0.022200462	5.177981785
San Bernardino (SC)	2021	LHDT1	2017	10	DSL	167.0582	0.019927186	3.328999244
San Bernardino (SC)	2021	LHDT1	2018	10	DSL	187.5289	0.016348281	3.065775732
San Bernardino (SC)	2021	LHDT1	2019	10	DSL	210.9468	0.012033858	2.538503351
San Bernardino (SC)	2021	LHDT1	2020	10	DSL	241.121	0.008279457	1.996350694
San Bernardino (SC)	2021	LHDT1	2021	10	DSL	218.4832	0.005172448	1.130093176
San Bernardino (SC)	2021	LHDT2	2014	10	DSL	40.80869	0.026402925	1.07746871
San Bernardino (SC)	2021	LHDT2	2015	10	DSL	82.86853	0.024359041	2.018597843
San Bernardino (SC)	2021	LHDT2	2016	10	DSL	54.8282	0.022200462	1.217211429
San Bernardino (SC)	2021	LHDT2	2017	10	DSL	65.04977	0.019927186	1.296258812
San Bernardino (SC)	2021	LHDT2	2018	10	DSL	71.68096	0.017539215	1.257227888
San Bernardino (SC)	2021	LHDT2	2019	10	DSL	79.39941	0.015036549	1.193893162
San Bernardino (SC)	2021	LHDT2	2020	10	DSL	89.81755	0.012419186	1.115460948
San Bernardino (SC)	2021	LHDT2	2021	10	DSL	81.84765	0.009687128	0.792868731
San Bernardino (SC)	2021	MHDT	2014	10	DSL	471.0851	0.004426648	2.085327633
San Bernardino (SC)	2021	MHDT	2015	10	DSL	616.0751	0.003909205	2.408363904
San Bernardino (SC)	2021	MHDT	2016	10	DSL	923.0908	0.003625875	3.347011471
San Bernardino (SC)	2021	MHDT	2017	10	DSL	592.7054	0.003319022	1.967202355
San Bernardino (SC)	2021	MHDT	2018	10	DSL	631.5505	0.003006248	1.898597083
San Bernardino (SC)	2021	MHDT	2019	10	DSL	673.0013	0.002678352	1.802534314
San Bernardino (SC)	2021	MHDT	2020	10	DSL	682.2598	0.002344161	1.599327106
San Bernardino (SC)	2021	MHDT	2021	10	DSL	500.6181	0.002010937	1.006711348
San Bernardino (SC)	2021	MHDT	2022	10	DSL	43.72989	0.001678667	0.073407941
						21318.11		172.8690337
								0.008109023

EMFAC2017 (v1.0.2) Emission Rates
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Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	2014	30	DSL	11490.63	0.007514664	86.34821871
San Bernardino (SC)	2021	HHDT	2015	30	DSL	15916.83	0.006867786	109.3133992
San Bernardino (SC)	2021	HHDT	2016	30	DSL	27239.61	0.006387615	173.9961663
San Bernardino (SC)	2021	HHDT	2017	30	DSL	8577.172	0.005539309	47.511603
San Bernardino (SC)	2021	HHDT	2018	30	DSL	8306.152	0.00494941	41.11055198
San Bernardino (SC)	2021	HHDT	2019	30	DSL	8217.7	0.0042773	35.14956297
San Bernardino (SC)	2021	HHDT	2020	30	DSL	8375.289	0.003590781	30.07383137
San Bernardino (SC)	2021	HHDT	2021	30	DSL	5453.434	0.002859082	15.59181642
San Bernardino (SC)	2021	HHDT	2022	30	DSL	1296.711	0.002160044	2.800951735
San Bernardino (SC)	2021	LHDT1	2014	30	DSL	938.0022	0.014927555	14.00207898
San Bernardino (SC)	2021	LHDT1	2015	30	DSL	1871.156	0.013771994	25.76955311
San Bernardino (SC)	2021	LHDT1	2016	30	DSL	3152.384	0.012551587	39.56741984
San Bernardino (SC)	2021	LHDT1	2017	30	DSL	2257.919	0.011266334	25.43846544
San Bernardino (SC)	2021	LHDT1	2018	30	DSL	2534.597	0.00924291	23.42704949
San Bernardino (SC)	2021	LHDT1	2019	30	DSL	2851.106	0.006803643	19.39791062
San Bernardino (SC)	2021	LHDT1	2020	30	DSL	3258.934	0.004680999	15.25506449
San Bernardino (SC)	2021	LHDT1	2021	30	DSL	2952.968	0.002924373	8.635579073
San Bernardino (SC)	2021	LHDT2	2014	30	DSL	551.5606	0.014927555	8.233450515
San Bernardino (SC)	2021	LHDT2	2015	30	DSL	1120.031	0.013771994	15.42506553
San Bernardino (SC)	2021	LHDT2	2016	30	DSL	741.045	0.012551587	9.301291049
San Bernardino (SC)	2021	LHDT2	2017	30	DSL	879.1972	0.011266334	9.905329677
San Bernardino (SC)	2021	LHDT2	2018	30	DSL	968.823	0.009916235	9.607075834
San Bernardino (SC)	2021	LHDT2	2019	30	DSL	1073.144	0.008501289	9.123105088
San Bernardino (SC)	2021	LHDT2	2020	30	DSL	1213.953	0.007021498	8.523767266
San Bernardino (SC)	2021	LHDT2	2021	30	DSL	1106.234	0.005476861	6.058686812
San Bernardino (SC)	2021	MHDT	2014	30	DSL	5492.762	0.003103306	17.04571943
San Bernardino (SC)	2021	MHDT	2015	30	DSL	7183.318	0.002740552	19.68625685
San Bernardino (SC)	2021	MHDT	2016	30	DSL	10763.06	0.002541923	27.35887521
San Bernardino (SC)	2021	MHDT	2017	30	DSL	6910.832	0.002326804	16.08014917
San Bernardino (SC)	2021	MHDT	2018	30	DSL	7363.758	0.002107533	15.51936141
San Bernardino (SC)	2021	MHDT	2019	30	DSL	7847.067	0.001877661	14.73413276
San Bernardino (SC)	2021	MHDT	2020	30	DSL	7955.019	0.001643377	13.07309255
San Bernardino (SC)	2021	MHDT	2021	30	DSL	5837.111	0.001409769	8.228979906
San Bernardino (SC)	2021	MHDT	2022	30	DSL	509.8822	0.001176831	0.600045358
						203089.7		1105.992168
								0.00544583

EMFAC2017 (v1.0.2) Emission Rates
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Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	2014	35	DSL	10298.66	0.009090672	93.6217527
San Bernardino (SC)	2021	HHDT	2015	35	DSL	14230.39	0.008306942	118.2110138
San Bernardino (SC)	2021	HHDT	2016	35	DSL	24311.57	0.007726432	187.8417178
San Bernardino (SC)	2021	HHDT	2017	35	DSL	7667.444	0.006700025	51.37206854
San Bernardino (SC)	2021	HHDT	2018	35	DSL	7425.735	0.005986174	44.45174302
San Bernardino (SC)	2021	HHDT	2019	35	DSL	7346.848	0.005173209	38.00678274
San Bernardino (SC)	2021	HHDT	2020	35	DSL	7487.395	0.004342993	32.51770454
San Bernardino (SC)	2021	HHDT	2021	35	DSL	4875.708	0.003458213	16.86123455
San Bernardino (SC)	2021	HHDT	2022	35	DSL	1162.299	0.00261286	3.036925417
San Bernardino (SC)	2021	LHDT1	2014	35	DSL	740.9074	0.013497754	10.00058628
San Bernardino (SC)	2021	LHDT1	2015	35	DSL	1477.985	0.012452876	18.40516967
San Bernardino (SC)	2021	LHDT1	2016	35	DSL	2489.999	0.011349363	28.25990317
San Bernardino (SC)	2021	LHDT1	2017	35	DSL	1783.481	0.010187215	18.16869973
San Bernardino (SC)	2021	LHDT1	2018	35	DSL	2002.023	0.0083576	16.73210315
San Bernardino (SC)	2021	LHDT1	2019	35	DSL	2252.027	0.006151972	13.85440542
San Bernardino (SC)	2021	LHDT1	2020	35	DSL	2574.161	0.00423264	10.89549551
San Bernardino (SC)	2021	LHDT1	2021	35	DSL	2332.485	0.002644269	6.167716505
San Bernardino (SC)	2021	LHDT2	2014	35	DSL	435.6656	0.013497754	5.880507631
San Bernardino (SC)	2021	LHDT2	2015	35	DSL	884.6883	0.012452876	11.01691392
San Bernardino (SC)	2021	LHDT2	2016	35	DSL	585.3353	0.011349363	6.643182332
San Bernardino (SC)	2021	LHDT2	2017	35	DSL	694.4587	0.010187215	7.074599726
San Bernardino (SC)	2021	LHDT2	2018	35	DSL	765.2521	0.008966432	6.861580409
San Bernardino (SC)	2021	LHDT2	2019	35	DSL	847.6527	0.007687014	6.515918082
San Bernardino (SC)	2021	LHDT2	2020	35	DSL	958.8748	0.00634896	6.087858105
San Bernardino (SC)	2021	LHDT2	2021	35	DSL	873.7897	0.004952272	4.32724457
San Bernardino (SC)	2021	MHDT	2014	35	DSL	4584.544	0.003753861	17.20974507
San Bernardino (SC)	2021	MHDT	2015	35	DSL	5995.57	0.003315063	19.87569156
San Bernardino (SC)	2021	MHDT	2016	35	DSL	8983.411	0.003074794	27.62214113
San Bernardino (SC)	2021	MHDT	2017	35	DSL	5768.139	0.002814579	16.23488343
San Bernardino (SC)	2021	MHDT	2018	35	DSL	6146.175	0.002549342	15.66869938
San Bernardino (SC)	2021	MHDT	2019	35	DSL	6549.57	0.002271281	14.87591472
San Bernardino (SC)	2021	MHDT	2020	35	DSL	6639.672	0.001987883	13.19889084
San Bernardino (SC)	2021	MHDT	2021	35	DSL	4871.956	0.001705304	8.308164811
San Bernardino (SC)	2021	MHDT	2022	35	DSL	425.5742	0.001423534	0.605819408
						173720.9		1053.656303
								0.006065226

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Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	2014	45	DSL	12375.21	0.015100836	186.8760187
San Bernardino (SC)	2021	HHDT	2015	45	DSL	16825.98	0.013786138	231.9653101
San Bernardino (SC)	2021	HHDT	2016	45	DSL	28420.39	0.012825782	364.5137731
San Bernardino (SC)	2021	HHDT	2017	45	DSL	9058.612	0.011118713	100.7201108
San Bernardino (SC)	2021	HHDT	2018	45	DSL	8777.437	0.009930329	87.16283274
San Bernardino (SC)	2021	HHDT	2019	45	DSL	8685.67	0.008580998	74.53171047
San Bernardino (SC)	2021	HHDT	2020	45	DSL	8849.164	0.007204958	63.75785484
San Bernardino (SC)	2021	HHDT	2021	45	DSL	5765.678	0.005739281	33.0908405
San Bernardino (SC)	2021	HHDT	2022	45	DSL	1397.443	0.004338202	6.062390448
San Bernardino (SC)	2021	LHDT1	2014	45	DSL	874.2302	0.011482652	10.03848111
San Bernardino (SC)	2021	LHDT1	2015	45	DSL	1743.942	0.010593766	18.47491165
San Bernardino (SC)	2021	LHDT1	2016	45	DSL	2938.063	0.009654998	28.3669873
San Bernardino (SC)	2021	LHDT1	2017	45	DSL	2104.409	0.008666349	18.23754567
San Bernardino (SC)	2021	LHDT1	2018	45	DSL	2362.277	0.00710988	16.79550544
San Bernardino (SC)	2021	LHDT1	2019	45	DSL	2657.268	0.005233534	13.90690337
San Bernardino (SC)	2021	LHDT1	2020	45	DSL	3037.368	0.003600742	10.93678138
San Bernardino (SC)	2021	LHDT1	2021	45	DSL	2752.204	0.002249502	6.191087589
San Bernardino (SC)	2021	LHDT2	2014	45	DSL	514.0616	0.011482652	5.902790406
San Bernardino (SC)	2021	LHDT2	2015	45	DSL	1043.884	0.010593766	11.05865987
San Bernardino (SC)	2021	LHDT2	2016	45	DSL	690.6636	0.009654998	6.66835508
San Bernardino (SC)	2021	LHDT2	2017	45	DSL	819.4232	0.008666349	7.101407226
San Bernardino (SC)	2021	LHDT2	2018	45	DSL	902.9555	0.007627818	6.887580724
San Bernardino (SC)	2021	LHDT2	2019	45	DSL	1000.184	0.006539407	6.540608593
San Bernardino (SC)	2021	LHDT2	2020	45	DSL	1131.42	0.005401114	6.110926585
San Bernardino (SC)	2021	LHDT2	2021	45	DSL	1031.024	0.00421294	4.343641626
San Bernardino (SC)	2021	MHDT	2014	45	DSL	6240.19	0.006232643	38.8928737
San Bernardino (SC)	2021	MHDT	2015	45	DSL	8160.789	0.005504092	44.9177346
San Bernardino (SC)	2021	MHDT	2016	45	DSL	12227.65	0.005105168	62.42419291
San Bernardino (SC)	2021	MHDT	2017	45	DSL	7851.224	0.004673125	36.68975155
San Bernardino (SC)	2021	MHDT	2018	45	DSL	8365.782	0.004232744	35.41021343
San Bernardino (SC)	2021	MHDT	2019	45	DSL	8914.858	0.003771072	33.61857309
San Bernardino (SC)	2021	MHDT	2020	45	DSL	9037.499	0.003300538	29.82861119
San Bernardino (SC)	2021	MHDT	2021	45	DSL	6631.396	0.002831364	18.77589723
San Bernardino (SC)	2021	MHDT	2022	45	DSL	579.2645	0.002363534	1.369111374
						216680		1892.534268
								0.008734235

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Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	2014	50	DSL	11561.8	0.019519563	225.6812582
San Bernardino (SC)	2021	HHDT	2015	50	DSL	16011.4	0.017839022	285.6277496
San Bernardino (SC)	2021	HHDT	2016	50	DSL	27396.7	0.016591842	454.5616728
San Bernardino (SC)	2021	HHDT	2017	50	DSL	8628.025	0.0143883	124.142621
San Bernardino (SC)	2021	HHDT	2018	50	DSL	8355.463	0.01285597	107.4175776
San Bernardino (SC)	2021	HHDT	2019	50	DSL	8266.507	0.011110165	91.8422576
San Bernardino (SC)	2021	HHDT	2020	50	DSL	8424.994	0.009326975	78.57969989
San Bernardino (SC)	2021	HHDT	2021	50	DSL	5485.845	0.007426446	40.74032891
San Bernardino (SC)	2021	HHDT	2022	50	DSL	1304.754	0.005610735	7.320626584
San Bernardino (SC)	2021	LHDT1	2014	50	DSL	838.1021	0.010738124	8.999643923
San Bernardino (SC)	2021	LHDT1	2015	50	DSL	1671.872	0.009906872	16.56302627
San Bernardino (SC)	2021	LHDT1	2016	50	DSL	2816.645	0.009028973	25.43141558
San Bernardino (SC)	2021	LHDT1	2017	50	DSL	2017.443	0.008104428	16.35022423
San Bernardino (SC)	2021	LHDT1	2018	50	DSL	2264.654	0.006648879	15.05741425
San Bernardino (SC)	2021	LHDT1	2019	50	DSL	2547.455	0.004894195	12.46774059
San Bernardino (SC)	2021	LHDT1	2020	50	DSL	2911.847	0.003367272	9.804983146
San Bernardino (SC)	2021	LHDT1	2021	50	DSL	2638.468	0.002103645	5.550399825
San Bernardino (SC)	2021	LHDT2	2014	50	DSL	492.8177	0.010738124	5.291937219
San Bernardino (SC)	2021	LHDT2	2015	50	DSL	1000.745	0.009906872	9.914248981
San Bernardino (SC)	2021	LHDT2	2016	50	DSL	662.1215	0.009028973	5.978277053
San Bernardino (SC)	2021	LHDT2	2017	50	DSL	785.5601	0.008104428	6.366514584
San Bernardino (SC)	2021	LHDT2	2018	50	DSL	865.6404	0.007133235	6.174816023
San Bernardino (SC)	2021	LHDT2	2019	50	DSL	958.8506	0.006115395	5.863750475
San Bernardino (SC)	2021	LHDT2	2020	50	DSL	1084.663	0.005050909	5.478534322
San Bernardino (SC)	2021	LHDT2	2021	50	DSL	988.4163	0.003939775	3.894137723
San Bernardino (SC)	2021	MHDT	2014	50	DSL	6222.596	0.008060868	50.15952719
San Bernardino (SC)	2021	MHDT	2015	50	DSL	8137.78	0.007118612	57.92969548
San Bernardino (SC)	2021	MHDT	2016	50	DSL	12193.17	0.006602671	80.50749929
San Bernardino (SC)	2021	MHDT	2017	50	DSL	7829.088	0.006043896	47.31819522
San Bernardino (SC)	2021	MHDT	2018	50	DSL	8342.196	0.005474338	45.66799504
San Bernardino (SC)	2021	MHDT	2019	50	DSL	8889.723	0.004877244	43.35734469
San Bernardino (SC)	2021	MHDT	2020	50	DSL	9012.019	0.004268687	38.46949046
San Bernardino (SC)	2021	MHDT	2021	50	DSL	6612.7	0.00366189	24.21497919
San Bernardino (SC)	2021	MHDT	2022	50	DSL	577.6313	0.003056831	1.765721394
						210502.8		2274.559774
								0.010805367

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** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 9/10/2021
** File: C:\Lakes\AERMOD View\Olive Grove Rialto_2014 Trucks\Olive Grove
Warehouse_2010.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Olive Ave Operations - Mitigatied
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Olive Grove Warehouse_2010.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.26E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 464043.031, 3775683.535, 417.91, 3.70, 1.67
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** 464042.115, 3775729.181, 419.03, 3.70, 1.67
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   LOCATION L0034389     VOLUME   464042.995 3775685.334 417.88
   LOCATION L0034390     VOLUME   464042.923 3775688.934 417.99
   LOCATION L0034391     VOLUME   464042.850 3775692.533 418.11
   LOCATION L0034392     VOLUME   464042.778 3775696.132 418.22
   LOCATION L0034393     VOLUME   464042.706 3775699.732 418.33
   LOCATION L0034394     VOLUME   464042.634 3775703.331 418.41
   LOCATION L0034395     VOLUME   464042.561 3775706.930 418.49
   LOCATION L0034396     VOLUME   464042.489 3775710.529 418.57
   LOCATION L0034397     VOLUME   464042.417 3775714.129 418.65
   LOCATION L0034398     VOLUME   464042.345 3775717.728 418.73
   LOCATION L0034399     VOLUME   464042.272 3775721.327 418.81
   LOCATION L0034400     VOLUME   464042.200 3775724.926 418.89
   LOCATION L0034401     VOLUME   464042.128 3775728.526 418.97
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Movement Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 2.75E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 464042.089, 3775729.299, 419.03, 3.70, 1.67
** 464053.951, 3775732.582, 419.01, 3.70, 1.67
** 464063.689, 3775737.147, 418.96, 3.70, 1.67
** 464069.776, 3775748.103, 419.02, 3.70, 1.67
** 464071.298, 3775760.580, 419.11, 3.70, 1.67
** 464071.298, 3775783.101, 418.89, 3.70, 1.67
** 464072.210, 3775936.574, 421.87, 3.70, 1.67
** ----------------------------------------------------------------
   LOCATION L0034402     VOLUME   464043.824 3775729.779 419.00
   LOCATION L0034403     VOLUME   464047.293 3775730.739 419.03
   LOCATION L0034404     VOLUME   464050.763 3775731.699 419.03
   LOCATION L0034405     VOLUME   464054.216 3775732.706 419.03
   LOCATION L0034406     VOLUME   464057.475 3775734.234 419.04
   LOCATION L0034407     VOLUME   464060.735 3775735.762 419.04
   LOCATION L0034408     VOLUME   464063.853 3775737.441 419.03
   LOCATION L0034409     VOLUME   464065.601 3775740.588 419.05
   LOCATION L0034410     VOLUME   464067.350 3775743.735 419.07
   LOCATION L0034411     VOLUME   464069.098 3775746.882 419.08
   LOCATION L0034412     VOLUME   464070.043 3775750.290 419.09
   LOCATION L0034413     VOLUME   464070.479 3775753.864 419.12
   LOCATION L0034414     VOLUME   464070.914 3775757.437 419.14
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LOCATION	L0034415	VOLUME	464071.298	3775761.014 419.16
LOCATION	L0034416	VOLUME	464071.298	3775764.614 419.12
LOCATION	L0034417	VOLUME	464071.298	3775768.214 419.08
LOCATION	L0034418	VOLUME	464071.298	3775771.814 419.05
LOCATION	L0034419	VOLUME	464071.298	3775775.414 419.01
LOCATION	L0034420	VOLUME	464071.298	3775779.014 418.97
LOCATION	L0034421	VOLUME	464071.298	3775782.614 418.93
LOCATION	L0034422	VOLUME	464071.316	3775786.214 418.89
LOCATION	L0034423	VOLUME	464071.338	3775789.814 418.86
LOCATION	L0034424	VOLUME	464071.359	3775793.414 418.85
LOCATION	L0034425	VOLUME	464071.380	3775797.014 418.89
LOCATION	L0034426	VOLUME	464071.402	3775800.614 418.92
LOCATION	L0034427	VOLUME	464071.423	3775804.214 418.96
LOCATION	L0034428	VOLUME	464071.445	3775807.814 419.00
LOCATION	L0034429	VOLUME	464071.466	3775811.413 419.03
LOCATION	L0034430	VOLUME	464071.487	3775815.013 419.07
LOCATION	L0034431	VOLUME	464071.509	3775818.613 419.10
LOCATION	L0034432	VOLUME	464071.530	3775822.213 419.14
LOCATION	L0034433	VOLUME	464071.552	3775825.813 419.19
LOCATION	L0034434	VOLUME	464071.573	3775829.413 419.25
LOCATION	L0034435	VOLUME	464071.594	3775833.013 419.30
LOCATION	L0034436	VOLUME	464071.616	3775836.613 419.36
LOCATION	L0034437	VOLUME	464071.637	3775840.213 419.41
LOCATION	L0034438	VOLUME	464071.659	3775843.813 419.46
LOCATION	L0034439	VOLUME	464071.680	3775847.413 419.52
LOCATION	L0034440	VOLUME	464071.701	3775851.013 419.57
LOCATION	L0034441	VOLUME	464071.723	3775854.613 419.63
LOCATION	L0034442	VOLUME	464071.744	3775858.213 419.68
LOCATION	L0034443	VOLUME	464071.765	3775861.813 419.73
LOCATION	L0034444	VOLUME	464071.787	3775865.413 419.78
LOCATION	L0034445	VOLUME	464071.808	3775869.012 419.83
LOCATION	L0034446	VOLUME	464071.830	3775872.612 419.89
LOCATION	L0034447	VOLUME	464071.851	3775876.212 419.94
LOCATION	L0034448	VOLUME	464071.872	3775879.812 419.99
LOCATION	L0034449	VOLUME	464071.894	3775883.412 420.04
LOCATION	L0034450	VOLUME	464071.915	3775887.012 420.14
LOCATION	L0034451	VOLUME	464071.937	3775890.612 420.24
LOCATION	L0034452	VOLUME	464071.958	3775894.212 420.35
LOCATION	L0034453	VOLUME	464071.979	3775897.812 420.45
LOCATION	L0034454	VOLUME	464072.001	3775901.412 420.56
LOCATION	L0034455	VOLUME	464072.022	3775905.012 420.66
LOCATION	L0034456	VOLUME	464072.044	3775908.612 420.77
LOCATION	L0034457	VOLUME	464072.065	3775912.212 420.87
LOCATION	L0034458	VOLUME	464072.086	3775915.812 420.98
LOCATION	L0034459	VOLUME	464072.108	3775919.412 421.11
LOCATION	L0034460	VOLUME	464072.129	3775923.012 421.23
LOCATION	L0034461	VOLUME	464072.151	3775926.611 421.36
LOCATION	L0034462	VOLUME	464072.172	3775930.211 421.48

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   LOCATION L0034463     VOLUME   464072.193 3775933.811 421.60
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-Site Movement - Bldg 1
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 5.7E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
** 464041.559, 3775728.892, 419.03, 3.70, 1.67
** 464025.852, 3775732.810, 419.00, 3.70, 1.67
** 464017.816, 3775735.565, 419.03, 3.70, 1.67
** 464010.382, 3775740.343, 419.11, 3.70, 1.67
** 464005.368, 3775745.357, 419.15, 3.70, 1.67
** 464002.861, 3775753.952, 419.48, 3.70, 1.67
** 464002.145, 3775775.441, 419.80, 3.70, 1.67
** 464001.478, 3776005.610, 423.26, 3.70, 1.67
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   LOCATION L0034464     VOLUME   464039.812 3775729.328 418.99
   LOCATION L0034465     VOLUME   464036.319 3775730.199 419.01
   LOCATION L0034466     VOLUME   464032.826 3775731.070 419.02
   LOCATION L0034467     VOLUME   464029.333 3775731.942 419.03
   LOCATION L0034468     VOLUME   464025.841 3775732.814 419.04
   LOCATION L0034469     VOLUME   464022.435 3775733.982 419.06
   LOCATION L0034470     VOLUME   464019.030 3775735.149 419.08
   LOCATION L0034471     VOLUME   464015.867 3775736.818 419.12
   LOCATION L0034472     VOLUME   464012.838 3775738.764 419.16
   LOCATION L0034473     VOLUME   464009.901 3775740.824 419.20
   LOCATION L0034474     VOLUME   464007.356 3775743.369 419.24
   LOCATION L0034475     VOLUME   464005.147 3775746.114 419.28
   LOCATION L0034476     VOLUME   464004.139 3775749.570 419.34
   LOCATION L0034477     VOLUME   464003.131 3775753.026 419.39
   LOCATION L0034478     VOLUME   464002.773 3775756.586 419.44
   LOCATION L0034479     VOLUME   464002.653 3775760.184 419.50
   LOCATION L0034480     VOLUME   464002.533 3775763.782 419.54
   LOCATION L0034481     VOLUME   464002.413 3775767.380 419.59
   LOCATION L0034482     VOLUME   464002.293 3775770.978 419.63
   LOCATION L0034483     VOLUME   464002.173 3775774.576 419.67
   LOCATION L0034484     VOLUME   464002.137 3775778.176 419.72
   LOCATION L0034485     VOLUME   464002.126 3775781.776 419.76
   LOCATION L0034486     VOLUME   464002.116 3775785.376 419.81
   LOCATION L0034487     VOLUME   464002.105 3775788.976 419.85
   LOCATION L0034488     VOLUME   464002.095 3775792.576 419.89
   LOCATION L0034489     VOLUME   464002.085 3775796.176 419.94
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LOCATION	L0034490	VOLUME	464002.074	3775799.776	419.99
LOCATION	L0034491	VOLUME	464002.064	3775803.376	420.05
LOCATION	L0034492	VOLUME	464002.053	3775806.976	420.10
LOCATION	L0034493	VOLUME	464002.043	3775810.576	420.15
LOCATION	L0034494	VOLUME	464002.032	3775814.176	420.20
LOCATION	L0034495	VOLUME	464002.022	3775817.776	420.25
LOCATION	L0034496	VOLUME	464002.012	3775821.376	420.30
LOCATION	L0034497	VOLUME	464002.001	3775824.976	420.35
LOCATION	L0034498	VOLUME	464001.991	3775828.576	420.42
LOCATION	L0034499	VOLUME	464001.980	3775832.176	420.48
LOCATION	L0034500	VOLUME	464001.970	3775835.776	420.54
LOCATION	L0034501	VOLUME	464001.959	3775839.376	420.60
LOCATION	L0034502	VOLUME	464001.949	3775842.976	420.67
LOCATION	L0034503	VOLUME	464001.938	3775846.575	420.73
LOCATION	L0034504	VOLUME	464001.928	3775850.175	420.79
LOCATION	L0034505	VOLUME	464001.918	3775853.775	420.85
LOCATION	L0034506	VOLUME	464001.907	3775857.375	420.91
LOCATION	L0034507	VOLUME	464001.897	3775860.975	420.96
LOCATION	L0034508	VOLUME	464001.886	3775864.575	421.01
LOCATION	L0034509	VOLUME	464001.876	3775868.175	421.06
LOCATION	L0034510	VOLUME	464001.865	3775871.775	421.11
LOCATION	L0034511	VOLUME	464001.855	3775875.375	421.16
LOCATION	L0034512	VOLUME	464001.845	3775878.975	421.21
LOCATION	L0034513	VOLUME	464001.834	3775882.575	421.27
LOCATION	L0034514	VOLUME	464001.824	3775886.175	421.32
LOCATION	L0034515	VOLUME	464001.813	3775889.775	421.37
LOCATION	L0034516	VOLUME	464001.803	3775893.375	421.43
LOCATION	L0034517	VOLUME	464001.792	3775896.975	421.48
LOCATION	L0034518	VOLUME	464001.782	3775900.575	421.54
LOCATION	L0034519	VOLUME	464001.772	3775904.175	421.59
LOCATION	L0034520	VOLUME	464001.761	3775907.775	421.64
LOCATION	L0034521	VOLUME	464001.751	3775911.375	421.70
LOCATION	L0034522	VOLUME	464001.740	3775914.975	421.75
LOCATION	L0034523	VOLUME	464001.730	3775918.575	421.82
LOCATION	L0034524	VOLUME	464001.719	3775922.175	421.89
LOCATION	L0034525	VOLUME	464001.709	3775925.775	421.96
LOCATION	L0034526	VOLUME	464001.698	3775929.375	422.03
LOCATION	L0034527	VOLUME	464001.688	3775932.975	422.10
LOCATION	L0034528	VOLUME	464001.678	3775936.575	422.17
LOCATION	L0034529	VOLUME	464001.667	3775940.175	422.24
LOCATION	L0034530	VOLUME	464001.657	3775943.775	422.31
LOCATION	L0034531	VOLUME	464001.646	3775947.375	422.39
LOCATION	L0034532	VOLUME	464001.636	3775950.975	422.46
LOCATION	L0034533	VOLUME	464001.625	3775954.575	422.54
LOCATION	L0034534	VOLUME	464001.615	3775958.175	422.61
LOCATION	L0034535	VOLUME	464001.605	3775961.775	422.69
LOCATION	L0034536	VOLUME	464001.594	3775965.375	422.76
LOCATION	L0034537	VOLUME	464001.584	3775968.975	422.84

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   LOCATION L0034538     VOLUME   464001.573 3775972.575 422.91
   LOCATION L0034539     VOLUME   464001.563 3775976.175 422.99
   LOCATION L0034540     VOLUME   464001.552 3775979.775 423.03
   LOCATION L0034541     VOLUME   464001.542 3775983.375 423.06
   LOCATION L0034542     VOLUME   464001.532 3775986.975 423.09
   LOCATION L0034543     VOLUME   464001.521 3775990.575 423.11
   LOCATION L0034544     VOLUME   464001.511 3775994.175 423.14
   LOCATION L0034545     VOLUME   464001.500 3775997.775 423.17
   LOCATION L0034546     VOLUME   464001.490 3776001.375 423.20
   LOCATION L0034547     VOLUME   464001.479 3776004.975 423.23
** End of LINE VOLUME Source ID = SLINE7
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC On-Site Idling - Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 4.81E-06
** Vertical Dimension = 4.64E-06
** SZINIT = 2.15813953E-06
** Nodes = 2
** 464091.884, 3775933.047, 422.01, 3.70, 1.67
** 464090.695, 3775737.363, 418.70, 3.70, 1.67
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   LOCATION L0034548     VOLUME   464091.874 3775931.247 421.74
   LOCATION L0034549     VOLUME   464091.852 3775927.647 421.67
   LOCATION L0034550     VOLUME   464091.830 3775924.047 421.60
   LOCATION L0034551     VOLUME   464091.808 3775920.447 421.54
   LOCATION L0034552     VOLUME   464091.786 3775916.847 421.47
   LOCATION L0034553     VOLUME   464091.764 3775913.247 421.39
   LOCATION L0034554     VOLUME   464091.742 3775909.647 421.29
   LOCATION L0034555     VOLUME   464091.720 3775906.047 421.20
   LOCATION L0034556     VOLUME   464091.698 3775902.447 421.11
   LOCATION L0034557     VOLUME   464091.677 3775898.848 421.02
   LOCATION L0034558     VOLUME   464091.655 3775895.248 420.92
   LOCATION L0034559     VOLUME   464091.633 3775891.648 420.83
   LOCATION L0034560     VOLUME   464091.611 3775888.048 420.74
   LOCATION L0034561     VOLUME   464091.589 3775884.448 420.64
   LOCATION L0034562     VOLUME   464091.567 3775880.848 420.57
   LOCATION L0034563     VOLUME   464091.545 3775877.248 420.49
   LOCATION L0034564     VOLUME   464091.523 3775873.648 420.42
   LOCATION L0034565     VOLUME   464091.502 3775870.048 420.34
   LOCATION L0034566     VOLUME   464091.480 3775866.448 420.27
   LOCATION L0034567     VOLUME   464091.458 3775862.848 420.19
   LOCATION L0034568     VOLUME   464091.436 3775859.248 420.12
   LOCATION L0034569     VOLUME   464091.414 3775855.648 420.04
   LOCATION L0034570     VOLUME   464091.392 3775852.048 419.96
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   LOCATION L0034571     VOLUME   464091.370 3775848.448 419.88
   LOCATION L0034572     VOLUME   464091.348 3775844.849 419.79
   LOCATION L0034573     VOLUME   464091.326 3775841.249 419.70
   LOCATION L0034574     VOLUME   464091.305 3775837.649 419.61
   LOCATION L0034575     VOLUME   464091.283 3775834.049 419.52
   LOCATION L0034576     VOLUME   464091.261 3775830.449 419.43
   LOCATION L0034577     VOLUME   464091.239 3775826.849 419.35
   LOCATION L0034578     VOLUME   464091.217 3775823.249 419.26
   LOCATION L0034579     VOLUME   464091.195 3775819.649 419.16
   LOCATION L0034580     VOLUME   464091.173 3775816.049 419.06
   LOCATION L0034581     VOLUME   464091.151 3775812.449 418.97
   LOCATION L0034582     VOLUME   464091.129 3775808.849 418.87
   LOCATION L0034583     VOLUME   464091.108 3775805.249 418.77
   LOCATION L0034584     VOLUME   464091.086 3775801.649 418.67
   LOCATION L0034585     VOLUME   464091.064 3775798.049 418.57
   LOCATION L0034586     VOLUME   464091.042 3775794.449 418.48
   LOCATION L0034587     VOLUME   464091.020 3775790.850 418.41
   LOCATION L0034588     VOLUME   464090.998 3775787.250 418.43
   LOCATION L0034589     VOLUME   464090.976 3775783.650 418.46
   LOCATION L0034590     VOLUME   464090.954 3775780.050 418.48
   LOCATION L0034591     VOLUME   464090.933 3775776.450 418.50
   LOCATION L0034592     VOLUME   464090.911 3775772.850 418.53
   LOCATION L0034593     VOLUME   464090.889 3775769.250 418.55
   LOCATION L0034594     VOLUME   464090.867 3775765.650 418.58
   LOCATION L0034595     VOLUME   464090.845 3775762.050 418.60
   LOCATION L0034596     VOLUME   464090.823 3775758.450 418.62
   LOCATION L0034597     VOLUME   464090.801 3775754.850 418.64
   LOCATION L0034598     VOLUME   464090.779 3775751.250 418.67
   LOCATION L0034599     VOLUME   464090.757 3775747.650 418.69
   LOCATION L0034600     VOLUME   464090.736 3775744.050 418.71
   LOCATION L0034601     VOLUME   464090.714 3775740.450 418.73
** End of LINE VOLUME Source ID = SLINE8
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC On-Site Idling - Bldg 1
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 9.9E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 463981.850, 3776005.610, 423.27, 3.70, 1.67
** 463982.444, 3775745.096, 419.15, 3.70, 1.67
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   LOCATION L0034602     VOLUME   463981.854 3776003.810 423.24
   LOCATION L0034603     VOLUME   463981.862 3776000.210 423.19
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LOCATION L0034604     VOLUME   463981.870 3775996.610 423.15
LOCATION L0034605     VOLUME   463981.878 3775993.010 423.10
LOCATION L0034606     VOLUME   463981.887 3775989.410 423.06
LOCATION L0034607     VOLUME   463981.895 3775985.810 423.01
LOCATION L0034608     VOLUME   463981.903 3775982.210 422.97
LOCATION L0034609     VOLUME   463981.911 3775978.610 422.92
LOCATION L0034610     VOLUME   463981.920 3775975.010 422.86
LOCATION L0034611     VOLUME   463981.928 3775971.410 422.79
LOCATION L0034612     VOLUME   463981.936 3775967.810 422.72
LOCATION L0034613     VOLUME   463981.944 3775964.210 422.65
LOCATION L0034614     VOLUME   463981.952 3775960.611 422.58
LOCATION L0034615     VOLUME   463981.961 3775957.011 422.51
LOCATION L0034616     VOLUME   463981.969 3775953.411 422.44
LOCATION L0034617     VOLUME   463981.977 3775949.811 422.37
LOCATION L0034618     VOLUME   463981.985 3775946.211 422.30
LOCATION L0034619     VOLUME   463981.994 3775942.611 422.24
LOCATION L0034620     VOLUME   463982.002 3775939.011 422.17
LOCATION L0034621     VOLUME   463982.010 3775935.411 422.10
LOCATION L0034622     VOLUME   463982.018 3775931.811 422.04
LOCATION L0034623     VOLUME   463982.026 3775928.211 421.97
LOCATION L0034624     VOLUME   463982.035 3775924.611 421.90
LOCATION L0034625     VOLUME   463982.043 3775921.011 421.84
LOCATION L0034626     VOLUME   463982.051 3775917.411 421.77
LOCATION L0034627     VOLUME   463982.059 3775913.811 421.71
LOCATION L0034628     VOLUME   463982.068 3775910.211 421.65
LOCATION L0034629     VOLUME   463982.076 3775906.611 421.60
LOCATION L0034630     VOLUME   463982.084 3775903.011 421.54
LOCATION L0034631     VOLUME   463982.092 3775899.411 421.49
LOCATION L0034632     VOLUME   463982.100 3775895.811 421.43
LOCATION L0034633     VOLUME   463982.109 3775892.211 421.38
LOCATION L0034634     VOLUME   463982.117 3775888.611 421.32
LOCATION L0034635     VOLUME   463982.125 3775885.011 421.27
LOCATION L0034636     VOLUME   463982.133 3775881.411 421.21
LOCATION L0034637     VOLUME   463982.141 3775877.811 421.16
LOCATION L0034638     VOLUME   463982.150 3775874.211 421.10
LOCATION L0034639     VOLUME   463982.158 3775870.611 421.05
LOCATION L0034640     VOLUME   463982.166 3775867.011 420.99
LOCATION L0034641     VOLUME   463982.174 3775863.411 420.94
LOCATION L0034642     VOLUME   463982.183 3775859.811 420.88
LOCATION L0034643     VOLUME   463982.191 3775856.211 420.83
LOCATION L0034644     VOLUME   463982.199 3775852.611 420.77
LOCATION L0034645     VOLUME   463982.207 3775849.011 420.71
LOCATION L0034646     VOLUME   463982.215 3775845.411 420.64
LOCATION L0034647     VOLUME   463982.224 3775841.811 420.58
LOCATION L0034648     VOLUME   463982.232 3775838.211 420.51
LOCATION L0034649     VOLUME   463982.240 3775834.611 420.45
LOCATION L0034650     VOLUME   463982.248 3775831.011 420.38
LOCATION L0034651     VOLUME   463982.257 3775827.411 420.32
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   LOCATION L0034652     VOLUME   463982.265 3775823.811 420.26
   LOCATION L0034653     VOLUME   463982.273 3775820.211 420.20
   LOCATION L0034654     VOLUME   463982.281 3775816.611 420.14
   LOCATION L0034655     VOLUME   463982.289 3775813.011 420.09
   LOCATION L0034656     VOLUME   463982.298 3775809.411 420.03
   LOCATION L0034657     VOLUME   463982.306 3775805.811 419.98
   LOCATION L0034658     VOLUME   463982.314 3775802.211 419.92
   LOCATION L0034659     VOLUME   463982.322 3775798.611 419.87
   LOCATION L0034660     VOLUME   463982.331 3775795.011 419.81
   LOCATION L0034661     VOLUME   463982.339 3775791.411 419.76
   LOCATION L0034662     VOLUME   463982.347 3775787.811 419.72
   LOCATION L0034663     VOLUME   463982.355 3775784.211 419.69
   LOCATION L0034664     VOLUME   463982.363 3775780.611 419.65
   LOCATION L0034665     VOLUME   463982.372 3775777.011 419.61
   LOCATION L0034666     VOLUME   463982.380 3775773.411 419.58
   LOCATION L0034667     VOLUME   463982.388 3775769.811 419.54
   LOCATION L0034668     VOLUME   463982.396 3775766.211 419.50
   LOCATION L0034669     VOLUME   463982.405 3775762.611 419.47
   LOCATION L0034670     VOLUME   463982.413 3775759.011 419.42
   LOCATION L0034671     VOLUME   463982.421 3775755.411 419.37
   LOCATION L0034672     VOLUME   463982.429 3775751.811 419.32
   LOCATION L0034673     VOLUME   463982.437 3775748.211 419.27
** End of LINE VOLUME Source ID = SLINE9
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC SR-210 WB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 4.21E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 461873.459, 3777383.026, 457.74, 3.70, 1.67
** 461787.495, 3777390.972, 458.44, 3.70, 1.67
** 461705.865, 3777401.808, 459.35, 3.70, 1.67
** 461632.903, 3777420.590, 459.50, 3.70, 1.67
** 461572.223, 3777440.095, 461.28, 3.70, 1.67
** 461524.545, 3777453.098, 463.37, 3.70, 1.67
** 461427.022, 3777455.265, 465.48, 3.70, 1.67
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   LOCATION L0031403     VOLUME   461871.667 3777383.191 457.49
   LOCATION L0031404     VOLUME   461868.082 3777383.523 457.53
   LOCATION L0031405     VOLUME   461864.497 3777383.854 457.58
   LOCATION L0031406     VOLUME   461860.912 3777384.186 457.63
   LOCATION L0031407     VOLUME   461857.328 3777384.517 457.68
   LOCATION L0031408     VOLUME   461853.743 3777384.848 457.73
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LOCATION L0031409     VOLUME   461850.158 3777385.180 457.75
LOCATION L0031410     VOLUME   461846.574 3777385.511 457.77
LOCATION L0031411     VOLUME   461842.989 3777385.842 457.78
LOCATION L0031412     VOLUME   461839.404 3777386.174 457.80
LOCATION L0031413     VOLUME   461835.819 3777386.505 457.81
LOCATION L0031414     VOLUME   461832.235 3777386.836 457.83
LOCATION L0031415     VOLUME   461828.650 3777387.168 457.85
LOCATION L0031416     VOLUME   461825.065 3777387.499 457.85
LOCATION L0031417     VOLUME   461821.481 3777387.831 457.84
LOCATION L0031418     VOLUME   461817.896 3777388.162 457.83
LOCATION L0031419     VOLUME   461814.311 3777388.493 457.82
LOCATION L0031420     VOLUME   461810.726 3777388.825 457.82
LOCATION L0031421     VOLUME   461807.142 3777389.156 457.81
LOCATION L0031422     VOLUME   461803.557 3777389.487 457.79
LOCATION L0031423     VOLUME   461799.972 3777389.819 457.81
LOCATION L0031424     VOLUME   461796.388 3777390.150 457.89
LOCATION L0031425     VOLUME   461792.803 3777390.481 457.96
LOCATION L0031426     VOLUME   461789.218 3777390.813 458.04
LOCATION L0031427     VOLUME   461785.642 3777391.218 458.13
LOCATION L0031428     VOLUME   461782.073 3777391.692 458.23
LOCATION L0031429     VOLUME   461778.504 3777392.165 458.33
LOCATION L0031430     VOLUME   461774.936 3777392.639 458.43
LOCATION L0031431     VOLUME   461771.367 3777393.113 458.49
LOCATION L0031432     VOLUME   461767.798 3777393.587 458.56
LOCATION L0031433     VOLUME   461764.230 3777394.060 458.62
LOCATION L0031434     VOLUME   461760.661 3777394.534 458.68
LOCATION L0031435     VOLUME   461757.092 3777395.008 458.74
LOCATION L0031436     VOLUME   461753.523 3777395.482 458.80
LOCATION L0031437     VOLUME   461749.955 3777395.955 458.86
LOCATION L0031438     VOLUME   461746.386 3777396.429 458.90
LOCATION L0031439     VOLUME   461742.817 3777396.903 458.94
LOCATION L0031440     VOLUME   461739.249 3777397.376 458.97
LOCATION L0031441     VOLUME   461735.680 3777397.850 459.00
LOCATION L0031442     VOLUME   461732.111 3777398.324 459.04
LOCATION L0031443     VOLUME   461728.543 3777398.798 459.07
LOCATION L0031444     VOLUME   461724.974 3777399.271 459.09
LOCATION L0031445     VOLUME   461721.405 3777399.745 459.11
LOCATION L0031446     VOLUME   461717.837 3777400.219 459.13
LOCATION L0031447     VOLUME   461714.268 3777400.692 459.14
LOCATION L0031448     VOLUME   461710.699 3777401.166 459.15
LOCATION L0031449     VOLUME   461707.130 3777401.640 459.16
LOCATION L0031450     VOLUME   461703.615 3777402.387 459.20
LOCATION L0031451     VOLUME   461700.129 3777403.285 459.25
LOCATION L0031452     VOLUME   461696.642 3777404.182 459.27
LOCATION L0031453     VOLUME   461693.156 3777405.079 459.28
LOCATION L0031454     VOLUME   461689.670 3777405.977 459.29
LOCATION L0031455     VOLUME   461686.183 3777406.874 459.31
LOCATION L0031456     VOLUME   461682.697 3777407.772 459.34
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LOCATION L0031457     VOLUME   461679.211 3777408.669 459.36
LOCATION L0031458     VOLUME   461675.724 3777409.567 459.39
LOCATION L0031459     VOLUME   461672.238 3777410.464 459.43
LOCATION L0031460     VOLUME   461668.752 3777411.362 459.49
LOCATION L0031461     VOLUME   461665.265 3777412.259 459.55
LOCATION L0031462     VOLUME   461661.779 3777413.157 459.61
LOCATION L0031463     VOLUME   461658.293 3777414.054 459.67
LOCATION L0031464     VOLUME   461654.806 3777414.952 459.74
LOCATION L0031465     VOLUME   461651.320 3777415.849 459.80
LOCATION L0031466     VOLUME   461647.833 3777416.747 459.88
LOCATION L0031467     VOLUME   461644.347 3777417.644 459.97
LOCATION L0031468     VOLUME   461640.861 3777418.542 460.07
LOCATION L0031469     VOLUME   461637.374 3777419.439 460.16
LOCATION L0031470     VOLUME   461633.888 3777420.337 460.26
LOCATION L0031471     VOLUME   461630.444 3777421.380 460.37
LOCATION L0031472     VOLUME   461627.017 3777422.482 460.49
LOCATION L0031473     VOLUME   461623.590 3777423.584 460.60
LOCATION L0031474     VOLUME   461620.162 3777424.685 460.72
LOCATION L0031475     VOLUME   461616.735 3777425.787 460.83
LOCATION L0031476     VOLUME   461613.308 3777426.889 460.94
LOCATION L0031477     VOLUME   461609.880 3777427.990 461.04
LOCATION L0031478     VOLUME   461606.453 3777429.092 461.13
LOCATION L0031479     VOLUME   461603.026 3777430.194 461.22
LOCATION L0031480     VOLUME   461599.598 3777431.295 461.30
LOCATION L0031481     VOLUME   461596.171 3777432.397 461.38
LOCATION L0031482     VOLUME   461592.744 3777433.498 461.46
LOCATION L0031483     VOLUME   461589.317 3777434.600 461.52
LOCATION L0031484     VOLUME   461585.889 3777435.702 461.57
LOCATION L0031485     VOLUME   461582.462 3777436.803 461.63
LOCATION L0031486     VOLUME   461579.035 3777437.905 461.68
LOCATION L0031487     VOLUME   461575.607 3777439.007 461.73
LOCATION L0031488     VOLUME   461572.179 3777440.106 461.79
LOCATION L0031489     VOLUME   461568.706 3777441.054 461.88
LOCATION L0031490     VOLUME   461565.233 3777442.001 461.99
LOCATION L0031491     VOLUME   461561.760 3777442.948 462.10
LOCATION L0031492     VOLUME   461558.287 3777443.895 462.21
LOCATION L0031493     VOLUME   461554.814 3777444.842 462.31
LOCATION L0031494     VOLUME   461551.341 3777445.790 462.41
LOCATION L0031495     VOLUME   461547.867 3777446.737 462.50
LOCATION L0031496     VOLUME   461544.394 3777447.684 462.59
LOCATION L0031497     VOLUME   461540.921 3777448.631 462.70
LOCATION L0031498     VOLUME   461537.448 3777449.579 462.81
LOCATION L0031499     VOLUME   461533.975 3777450.526 462.90
LOCATION L0031500     VOLUME   461530.502 3777451.473 462.99
LOCATION L0031501     VOLUME   461527.029 3777452.420 463.07
LOCATION L0031502     VOLUME   461523.519 3777453.120 463.14
LOCATION L0031503     VOLUME   461519.920 3777453.200 463.18
LOCATION L0031504     VOLUME   461516.321 3777453.280 463.24
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   LOCATION L0031505     VOLUME   461512.722 3777453.360 463.30
   LOCATION L0031506     VOLUME   461509.123 3777453.440 463.36
   LOCATION L0031507     VOLUME   461505.524 3777453.520 463.42
   LOCATION L0031508     VOLUME   461501.925 3777453.600 463.48
   LOCATION L0031509     VOLUME   461498.326 3777453.680 463.54
   LOCATION L0031510     VOLUME   461494.727 3777453.760 463.59
   LOCATION L0031511     VOLUME   461491.127 3777453.840 463.66
   LOCATION L0031512     VOLUME   461487.528 3777453.920 463.74
   LOCATION L0031513     VOLUME   461483.929 3777454.000 463.81
   LOCATION L0031514     VOLUME   461480.330 3777454.080 463.88
   LOCATION L0031515     VOLUME   461476.731 3777454.160 463.95
   LOCATION L0031516     VOLUME   461473.132 3777454.240 464.02
   LOCATION L0031517     VOLUME   461469.533 3777454.320 464.09
   LOCATION L0031518     VOLUME   461465.934 3777454.400 464.21
   LOCATION L0031519     VOLUME   461462.335 3777454.480 464.34
   LOCATION L0031520     VOLUME   461458.735 3777454.560 464.47
   LOCATION L0031521     VOLUME   461455.136 3777454.640 464.60
   LOCATION L0031522     VOLUME   461451.537 3777454.720 464.73
   LOCATION L0031523     VOLUME   461447.938 3777454.800 464.86
   LOCATION L0031524     VOLUME   461444.339 3777454.880 464.99
   LOCATION L0031525     VOLUME   461440.740 3777454.960 465.12
   LOCATION L0031526     VOLUME   461437.141 3777455.040 465.24
   LOCATION L0031527     VOLUME   461433.542 3777455.120 465.37
   LOCATION L0031528     VOLUME   461429.943 3777455.200 465.50
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC SR-210 EB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 4.41E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
** 460941.341, 3777341.628, 463.31, 3.70, 1.67
** 461014.386, 3777335.725, 462.46, 3.70, 1.67
** 461077.101, 3777329.085, 461.65, 3.70, 1.67
** 461142.029, 3777318.755, 461.18, 3.70, 1.67
** 461191.463, 3777303.999, 460.63, 3.70, 1.67
** 461257.867, 3777278.913, 461.05, 3.70, 1.67
** 461299.185, 3777269.321, 461.54, 3.70, 1.67
** 461358.949, 3777264.156, 461.88, 3.70, 1.67
** 461407.524, 3777263.337, 462.74, 3.70, 1.67
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   LOCATION L0031529     VOLUME   460943.135 3777341.483 463.26
   LOCATION L0031530     VOLUME   460946.724 3777341.193 463.23
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LOCATION L0031531     VOLUME   460950.312 3777340.903 463.20
LOCATION L0031532     VOLUME   460953.900 3777340.613 463.17
LOCATION L0031533     VOLUME   460957.489 3777340.323 463.14
LOCATION L0031534     VOLUME   460961.077 3777340.033 463.10
LOCATION L0031535     VOLUME   460964.665 3777339.743 463.07
LOCATION L0031536     VOLUME   460968.254 3777339.453 463.04
LOCATION L0031537     VOLUME   460971.842 3777339.163 463.00
LOCATION L0031538     VOLUME   460975.430 3777338.873 462.97
LOCATION L0031539     VOLUME   460979.018 3777338.583 462.94
LOCATION L0031540     VOLUME   460982.607 3777338.293 462.91
LOCATION L0031541     VOLUME   460986.195 3777338.003 462.87
LOCATION L0031542     VOLUME   460989.783 3777337.713 462.83
LOCATION L0031543     VOLUME   460993.372 3777337.423 462.80
LOCATION L0031544     VOLUME   460996.960 3777337.133 462.76
LOCATION L0031545     VOLUME   461000.548 3777336.843 462.72
LOCATION L0031546     VOLUME   461004.137 3777336.553 462.69
LOCATION L0031547     VOLUME   461007.725 3777336.263 462.65
LOCATION L0031548     VOLUME   461011.313 3777335.973 462.61
LOCATION L0031549     VOLUME   461014.900 3777335.670 462.57
LOCATION L0031550     VOLUME   461018.480 3777335.291 462.53
LOCATION L0031551     VOLUME   461022.060 3777334.912 462.50
LOCATION L0031552     VOLUME   461025.640 3777334.533 462.46
LOCATION L0031553     VOLUME   461029.220 3777334.154 462.42
LOCATION L0031554     VOLUME   461032.800 3777333.775 462.38
LOCATION L0031555     VOLUME   461036.380 3777333.396 462.34
LOCATION L0031556     VOLUME   461039.960 3777333.017 462.30
LOCATION L0031557     VOLUME   461043.540 3777332.638 462.26
LOCATION L0031558     VOLUME   461047.120 3777332.259 462.22
LOCATION L0031559     VOLUME   461050.700 3777331.880 462.18
LOCATION L0031560     VOLUME   461054.280 3777331.501 462.14
LOCATION L0031561     VOLUME   461057.860 3777331.122 462.10
LOCATION L0031562     VOLUME   461061.440 3777330.743 462.05
LOCATION L0031563     VOLUME   461065.020 3777330.364 462.00
LOCATION L0031564     VOLUME   461068.600 3777329.985 461.96
LOCATION L0031565     VOLUME   461072.180 3777329.606 461.91
LOCATION L0031566     VOLUME   461075.760 3777329.226 461.86
LOCATION L0031567     VOLUME   461079.325 3777328.731 461.81
LOCATION L0031568     VOLUME   461082.880 3777328.165 461.77
LOCATION L0031569     VOLUME   461086.435 3777327.599 461.72
LOCATION L0031570     VOLUME   461089.990 3777327.034 461.68
LOCATION L0031571     VOLUME   461093.546 3777326.468 461.63
LOCATION L0031572     VOLUME   461097.101 3777325.903 461.58
LOCATION L0031573     VOLUME   461100.656 3777325.337 461.53
LOCATION L0031574     VOLUME   461104.212 3777324.771 461.48
LOCATION L0031575     VOLUME   461107.767 3777324.206 461.43
LOCATION L0031576     VOLUME   461111.322 3777323.640 461.38
LOCATION L0031577     VOLUME   461114.877 3777323.075 461.32
LOCATION L0031578     VOLUME   461118.433 3777322.509 461.27
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LOCATION L0031579     VOLUME   461121.988 3777321.943 461.22
LOCATION L0031580     VOLUME   461125.543 3777321.378 461.16
LOCATION L0031581     VOLUME   461129.099 3777320.812 461.11
LOCATION L0031582     VOLUME   461132.654 3777320.247 461.05
LOCATION L0031583     VOLUME   461136.209 3777319.681 461.00
LOCATION L0031584     VOLUME   461139.765 3777319.115 460.95
LOCATION L0031585     VOLUME   461143.281 3777318.381 460.90
LOCATION L0031586     VOLUME   461146.731 3777317.351 460.86
LOCATION L0031587     VOLUME   461150.181 3777316.322 460.82
LOCATION L0031588     VOLUME   461153.630 3777315.292 460.78
LOCATION L0031589     VOLUME   461157.080 3777314.262 460.74
LOCATION L0031590     VOLUME   461160.529 3777313.233 460.69
LOCATION L0031591     VOLUME   461163.979 3777312.203 460.68
LOCATION L0031592     VOLUME   461167.429 3777311.173 460.71
LOCATION L0031593     VOLUME   461170.878 3777310.143 460.74
LOCATION L0031594     VOLUME   461174.328 3777309.114 460.76
LOCATION L0031595     VOLUME   461177.777 3777308.084 460.78
LOCATION L0031596     VOLUME   461181.227 3777307.054 460.80
LOCATION L0031597     VOLUME   461184.676 3777306.024 460.81
LOCATION L0031598     VOLUME   461188.126 3777304.995 460.83
LOCATION L0031599     VOLUME   461191.573 3777303.957 460.85
LOCATION L0031600     VOLUME   461194.941 3777302.685 460.88
LOCATION L0031601     VOLUME   461198.308 3777301.413 460.90
LOCATION L0031602     VOLUME   461201.676 3777300.140 460.92
LOCATION L0031603     VOLUME   461205.044 3777298.868 460.93
LOCATION L0031604     VOLUME   461208.411 3777297.596 460.94
LOCATION L0031605     VOLUME   461211.779 3777296.324 460.95
LOCATION L0031606     VOLUME   461215.147 3777295.051 460.97
LOCATION L0031607     VOLUME   461218.515 3777293.779 460.98
LOCATION L0031608     VOLUME   461221.882 3777292.507 460.99
LOCATION L0031609     VOLUME   461225.250 3777291.235 460.99
LOCATION L0031610     VOLUME   461228.618 3777289.962 461.00
LOCATION L0031611     VOLUME   461231.985 3777288.690 461.00
LOCATION L0031612     VOLUME   461235.353 3777287.418 461.01
LOCATION L0031613     VOLUME   461238.721 3777286.146 461.02
LOCATION L0031614     VOLUME   461242.088 3777284.873 461.04
LOCATION L0031615     VOLUME   461245.456 3777283.601 461.06
LOCATION L0031616     VOLUME   461248.824 3777282.329 461.09
LOCATION L0031617     VOLUME   461252.192 3777281.057 461.11
LOCATION L0031618     VOLUME   461255.559 3777279.784 461.13
LOCATION L0031619     VOLUME   461258.971 3777278.656 461.14
LOCATION L0031620     VOLUME   461262.477 3777277.842 461.13
LOCATION L0031621     VOLUME   461265.984 3777277.028 461.16
LOCATION L0031622     VOLUME   461269.491 3777276.214 461.18
LOCATION L0031623     VOLUME   461272.998 3777275.400 461.21
LOCATION L0031624     VOLUME   461276.504 3777274.586 461.23
LOCATION L0031625     VOLUME   461280.011 3777273.772 461.25
LOCATION L0031626     VOLUME   461283.518 3777272.958 461.27
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   LOCATION L0031627     VOLUME   461287.025 3777272.144 461.29
   LOCATION L0031628     VOLUME   461290.531 3777271.330 461.31
   LOCATION L0031629     VOLUME   461294.038 3777270.516 461.34
   LOCATION L0031630     VOLUME   461297.545 3777269.702 461.36
   LOCATION L0031631     VOLUME   461301.094 3777269.156 461.38
   LOCATION L0031632     VOLUME   461304.681 3777268.846 461.39
   LOCATION L0031633     VOLUME   461308.268 3777268.536 461.39
   LOCATION L0031634     VOLUME   461311.854 3777268.226 461.40
   LOCATION L0031635     VOLUME   461315.441 3777267.916 461.41
   LOCATION L0031636     VOLUME   461319.027 3777267.606 461.42
   LOCATION L0031637     VOLUME   461322.614 3777267.296 461.43
   LOCATION L0031638     VOLUME   461326.201 3777266.986 461.44
   LOCATION L0031639     VOLUME   461329.787 3777266.676 461.45
   LOCATION L0031640     VOLUME   461333.374 3777266.366 461.46
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   LOCATION L0031642     VOLUME   461340.547 3777265.746 461.49
   LOCATION L0031643     VOLUME   461344.134 3777265.436 461.54
   LOCATION L0031644     VOLUME   461347.720 3777265.126 461.58
   LOCATION L0031645     VOLUME   461351.307 3777264.817 461.62
   LOCATION L0031646     VOLUME   461354.894 3777264.507 461.66
   LOCATION L0031647     VOLUME   461358.480 3777264.197 461.70
   LOCATION L0031648     VOLUME   461362.078 3777264.103 461.74
   LOCATION L0031649     VOLUME   461365.678 3777264.043 461.78
   LOCATION L0031650     VOLUME   461369.277 3777263.982 461.88
   LOCATION L0031651     VOLUME   461372.877 3777263.921 461.98
   LOCATION L0031652     VOLUME   461376.476 3777263.860 462.09
   LOCATION L0031653     VOLUME   461380.076 3777263.800 462.19
   LOCATION L0031654     VOLUME   461383.675 3777263.739 462.29
   LOCATION L0031655     VOLUME   461387.275 3777263.678 462.39
   LOCATION L0031656     VOLUME   461390.874 3777263.618 462.49
   LOCATION L0031657     VOLUME   461394.474 3777263.557 462.55
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   LOCATION L0031660     VOLUME   461405.272 3777263.375 462.72
** End of LINE VOLUME Source ID = SLINE11
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Alder Ave - between SR-210 EB & WB Off-Ramps - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.81E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
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** 461415.786, 3777452.432, 465.79, 3.70, 1.67
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   LOCATION L0031663     VOLUME   461419.513 3777453.298 465.85
   LOCATION L0031664     VOLUME   461416.006 3777452.483 465.91
   LOCATION L0031665     VOLUME   461414.143 3777449.485 465.85
   LOCATION L0031666     VOLUME   461412.389 3777446.341 465.79
   LOCATION L0031667     VOLUME   461410.636 3777443.197 465.74
   LOCATION L0031668     VOLUME   461409.310 3777439.940 465.70
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   LOCATION L0031672     VOLUME   461409.212 3777425.541 465.28
   LOCATION L0031673     VOLUME   461409.187 3777421.941 465.13
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   LOCATION L0031675     VOLUME   461409.138 3777414.741 464.82
   LOCATION L0031676     VOLUME   461409.113 3777411.141 464.67
   LOCATION L0031677     VOLUME   461409.089 3777407.541 464.52
   LOCATION L0031678     VOLUME   461409.064 3777403.941 464.36
   LOCATION L0031679     VOLUME   461409.040 3777400.341 463.72
   LOCATION L0031680     VOLUME   461409.015 3777396.741 463.08
   LOCATION L0031681     VOLUME   461408.990 3777393.141 462.44
   LOCATION L0031682     VOLUME   461408.966 3777389.541 461.80
   LOCATION L0031683     VOLUME   461408.941 3777385.942 461.16
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   LOCATION L0031689     VOLUME   461408.794 3777364.342 458.47
   LOCATION L0031690     VOLUME   461408.769 3777360.742 458.30
   LOCATION L0031691     VOLUME   461408.744 3777357.142 458.13
   LOCATION L0031692     VOLUME   461408.720 3777353.542 457.96
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   LOCATION L0031694     VOLUME   461408.671 3777346.342 457.61
   LOCATION L0031695     VOLUME   461408.646 3777342.743 457.44
   LOCATION L0031696     VOLUME   461408.621 3777339.143 457.80
   LOCATION L0031697     VOLUME   461408.597 3777335.543 458.22
   LOCATION L0031698     VOLUME   461408.572 3777331.943 458.63
   LOCATION L0031699     VOLUME   461408.548 3777328.343 459.05
   LOCATION L0031700     VOLUME   461408.523 3777324.743 459.46
   LOCATION L0031701     VOLUME   461408.498 3777321.143 459.88
   LOCATION L0031702     VOLUME   461408.474 3777317.543 460.30
   LOCATION L0031703     VOLUME   461408.449 3777313.943 460.71
   LOCATION L0031704     VOLUME   461408.425 3777310.343 461.07
   LOCATION L0031705     VOLUME   461408.400 3777306.743 461.30
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   LOCATION L0031706     VOLUME   461408.375 3777303.143 461.54
   LOCATION L0031707     VOLUME   461408.351 3777299.544 461.77
   LOCATION L0031708     VOLUME   461408.326 3777295.944 462.01
   LOCATION L0031709     VOLUME   461408.302 3777292.344 462.24
   LOCATION L0031710     VOLUME   461408.277 3777288.744 462.48
   LOCATION L0031711     VOLUME   461408.252 3777285.144 462.71
   LOCATION L0031712     VOLUME   461408.228 3777281.544 462.95
   LOCATION L0031713     VOLUME   461408.203 3777277.944 462.96
   LOCATION L0031714     VOLUME   461408.179 3777274.344 462.91
   LOCATION L0031715     VOLUME   461408.154 3777270.744 462.86
   LOCATION L0031716     VOLUME   461408.129 3777267.144 462.82
   LOCATION L0031717     VOLUME   461408.105 3777263.544 462.77
** End of LINE VOLUME Source ID = SLINE12
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC SR-210 EB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 5.22E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
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** 461627.246, 3777292.804, 457.46, 3.70, 1.67
** 461722.515, 3777317.657, 455.41, 3.70, 1.67
** 461788.789, 3777326.533, 454.78, 3.70, 1.67
** 461832.578, 3777330.083, 454.68, 3.70, 1.67
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   LOCATION L0031721     VOLUME   461433.076 3777263.020 462.33
   LOCATION L0031722     VOLUME   461436.676 3777263.033 462.20
   LOCATION L0031723     VOLUME   461440.276 3777263.046 462.08
   LOCATION L0031724     VOLUME   461443.876 3777263.059 461.94
   LOCATION L0031725     VOLUME   461447.476 3777263.072 461.80
   LOCATION L0031726     VOLUME   461451.076 3777263.085 461.66
   LOCATION L0031727     VOLUME   461454.676 3777263.098 461.52
   LOCATION L0031728     VOLUME   461458.276 3777263.111 461.38
   LOCATION L0031729     VOLUME   461461.876 3777263.124 461.24
   LOCATION L0031730     VOLUME   461465.476 3777263.137 461.10
   LOCATION L0031731     VOLUME   461469.076 3777263.150 460.99
   LOCATION L0031732     VOLUME   461472.676 3777263.163 460.93
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LOCATION	L0031735	VOLUME	461483.476	3777263.202 460.73
LOCATION	L0031736	VOLUME	461487.076	3777263.216 460.66
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LOCATION	L0031738	VOLUME	461494.258	3777263.703 460.50
LOCATION	L0031739	VOLUME	461497.849	3777263.965 460.43
LOCATION	L0031740	VOLUME	461501.439	3777264.227 460.35
LOCATION	L0031741	VOLUME	461505.030	3777264.488 460.27
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LOCATION	L0031743	VOLUME	461512.211	3777265.012 460.11
LOCATION	L0031744	VOLUME	461515.801	3777265.274 460.04
LOCATION	L0031745	VOLUME	461519.392	3777265.536 459.96
LOCATION	L0031746	VOLUME	461522.982	3777265.798 459.89
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LOCATION	L0031748	VOLUME	461530.163	3777266.321 459.75
LOCATION	L0031749	VOLUME	461533.753	3777266.583 459.67
LOCATION	L0031750	VOLUME	461537.344	3777266.845 459.60
LOCATION	L0031751	VOLUME	461540.934	3777267.107 459.53
LOCATION	L0031752	VOLUME	461544.520	3777267.395 459.46
LOCATION	L0031753	VOLUME	461547.961	3777268.452 459.37
LOCATION	L0031754	VOLUME	461551.402	3777269.509 459.27
LOCATION	L0031755	VOLUME	461554.844	3777270.566 459.17
LOCATION	L0031756	VOLUME	461558.285	3777271.623 459.08
LOCATION	L0031757	VOLUME	461561.726	3777272.680 458.98
LOCATION	L0031758	VOLUME	461565.168	3777273.737 458.88
LOCATION	L0031759	VOLUME	461568.609	3777274.794 458.78
LOCATION	L0031760	VOLUME	461572.050	3777275.851 458.68
LOCATION	L0031761	VOLUME	461575.492	3777276.908 458.58
LOCATION	L0031762	VOLUME	461578.933	3777277.965 458.47
LOCATION	L0031763	VOLUME	461582.375	3777279.022 458.37
LOCATION	L0031764	VOLUME	461585.816	3777280.079 458.26
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LOCATION	L0031767	VOLUME	461596.140	3777283.250 457.92
LOCATION	L0031768	VOLUME	461599.581	3777284.307 457.82
LOCATION	L0031769	VOLUME	461603.023	3777285.364 457.71
LOCATION	L0031770	VOLUME	461606.464	3777286.421 457.61
LOCATION	L0031771	VOLUME	461609.905	3777287.478 457.51
LOCATION	L0031772	VOLUME	461613.347	3777288.535 457.41
LOCATION	L0031773	VOLUME	461616.788	3777289.592 457.31
LOCATION	L0031774	VOLUME	461620.229	3777290.649 457.21
LOCATION	L0031775	VOLUME	461623.671	3777291.706 457.14
LOCATION	L0031776	VOLUME	461627.112	3777292.763 457.08
LOCATION	L0031777	VOLUME	461630.594	3777293.677 457.03
LOCATION	L0031778	VOLUME	461634.077	3777294.586 456.97
LOCATION	L0031779	VOLUME	461637.560	3777295.495 456.91
LOCATION	L0031780	VOLUME	461641.044	3777296.403 456.84

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LOCATION L0031783     VOLUME   461651.494 3777299.130 456.64
LOCATION L0031784     VOLUME   461654.978 3777300.038 456.57
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LOCATION L0031786     VOLUME   461661.944 3777301.856 456.41
LOCATION L0031787     VOLUME   461665.428 3777302.764 456.32
LOCATION L0031788     VOLUME   461668.911 3777303.673 456.22
LOCATION L0031789     VOLUME   461672.395 3777304.582 456.12
LOCATION L0031790     VOLUME   461675.878 3777305.491 456.02
LOCATION L0031791     VOLUME   461679.362 3777306.399 455.91
LOCATION L0031792     VOLUME   461682.845 3777307.308 455.80
LOCATION L0031793     VOLUME   461686.328 3777308.217 455.68
LOCATION L0031794     VOLUME   461689.812 3777309.125 455.56
LOCATION L0031795     VOLUME   461693.295 3777310.034 455.42
LOCATION L0031796     VOLUME   461696.779 3777310.943 455.35
LOCATION L0031797     VOLUME   461700.262 3777311.852 455.32
LOCATION L0031798     VOLUME   461703.746 3777312.760 455.31
LOCATION L0031799     VOLUME   461707.229 3777313.669 455.29
LOCATION L0031800     VOLUME   461710.712 3777314.578 455.28
LOCATION L0031801     VOLUME   461714.196 3777315.486 455.26
LOCATION L0031802     VOLUME   461717.679 3777316.395 455.24
LOCATION L0031803     VOLUME   461721.163 3777317.304 455.22
LOCATION L0031804     VOLUME   461724.698 3777317.949 455.21
LOCATION L0031805     VOLUME   461728.266 3777318.427 455.20
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LOCATION L0031807     VOLUME   461735.402 3777319.383 455.17
LOCATION L0031808     VOLUME   461738.970 3777319.861 455.16
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LOCATION L0031811     VOLUME   461749.675 3777321.294 455.12
LOCATION L0031812     VOLUME   461753.243 3777321.772 455.10
LOCATION L0031813     VOLUME   461756.811 3777322.250 455.09
LOCATION L0031814     VOLUME   461760.379 3777322.728 455.07
LOCATION L0031815     VOLUME   461763.947 3777323.206 455.06
LOCATION L0031816     VOLUME   461767.516 3777323.684 455.04
LOCATION L0031817     VOLUME   461771.084 3777324.161 455.02
LOCATION L0031818     VOLUME   461774.652 3777324.639 455.00
LOCATION L0031819     VOLUME   461778.220 3777325.117 455.01
LOCATION L0031820     VOLUME   461781.788 3777325.595 455.01
LOCATION L0031821     VOLUME   461785.356 3777326.073 455.01
LOCATION L0031822     VOLUME   461788.925 3777326.544 455.02
LOCATION L0031823     VOLUME   461792.513 3777326.835 455.02
LOCATION L0031824     VOLUME   461796.102 3777327.126 455.02
LOCATION L0031825     VOLUME   461799.690 3777327.417 455.02
LOCATION L0031826     VOLUME   461803.278 3777327.708 455.03
LOCATION L0031827     VOLUME   461806.866 3777327.998 455.04
LOCATION L0031828     VOLUME   461810.455 3777328.289 455.05
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   LOCATION L0031830     VOLUME   461817.631 3777328.871 455.05
   LOCATION L0031831     VOLUME   461821.219 3777329.162 455.05
   LOCATION L0031832     VOLUME   461824.807 3777329.453 455.05
   LOCATION L0031833     VOLUME   461828.396 3777329.744 455.04
   LOCATION L0031834     VOLUME   461831.984 3777330.035 455.01
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   LOCATION L0031836     VOLUME   461839.182 3777330.128 454.99
   LOCATION L0031837     VOLUME   461842.782 3777330.153 454.98
   LOCATION L0031838     VOLUME   461846.382 3777330.178 454.97
   LOCATION L0031839     VOLUME   461849.982 3777330.202 454.97
   LOCATION L0031840     VOLUME   461853.581 3777330.227 454.95
   LOCATION L0031841     VOLUME   461857.181 3777330.252 454.92
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   LOCATION L0031844     VOLUME   461867.981 3777330.326 454.84
   LOCATION L0031845     VOLUME   461871.581 3777330.350 454.81
   LOCATION L0031846     VOLUME   461875.181 3777330.375 454.78
   LOCATION L0031847     VOLUME   461878.781 3777330.400 454.75
   LOCATION L0031848     VOLUME   461882.381 3777330.424 454.72
   LOCATION L0031849     VOLUME   461885.981 3777330.449 454.69
   LOCATION L0031850     VOLUME   461889.581 3777330.474 454.66
   LOCATION L0031851     VOLUME   461893.180 3777330.498 454.63
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   LOCATION L0031853     VOLUME   461900.380 3777330.548 454.57
   LOCATION L0031854     VOLUME   461903.980 3777330.572 454.54
   LOCATION L0031855     VOLUME   461907.580 3777330.597 454.51
   LOCATION L0031856     VOLUME   461911.180 3777330.622 454.48
   LOCATION L0031857     VOLUME   461914.780 3777330.646 454.45
   LOCATION L0031858     VOLUME   461918.380 3777330.671 454.42
** End of LINE VOLUME Source ID = SLINE13
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Alder Ave - between SR-210 EB and WB Off-Ramps - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.62E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
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** 461420.699, 3777448.034, 465.56, 3.70, 1.67
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   LOCATION L0031861     VOLUME   461420.699 3777274.301 462.89
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LOCATION L0031862     VOLUME   461420.699 3777277.901 462.93
LOCATION L0031863     VOLUME   461420.699 3777281.501 462.92
LOCATION L0031864     VOLUME   461420.699 3777285.101 462.68
LOCATION L0031865     VOLUME   461420.699 3777288.701 462.44
LOCATION L0031866     VOLUME   461420.699 3777292.301 462.20
LOCATION L0031867     VOLUME   461420.699 3777295.901 461.96
LOCATION L0031868     VOLUME   461420.699 3777299.501 461.72
LOCATION L0031869     VOLUME   461420.699 3777303.101 461.48
LOCATION L0031870     VOLUME   461420.699 3777306.701 461.24
LOCATION L0031871     VOLUME   461420.699 3777310.301 461.00
LOCATION L0031872     VOLUME   461420.699 3777313.901 460.65
LOCATION L0031873     VOLUME   461420.699 3777317.501 460.22
LOCATION L0031874     VOLUME   461420.699 3777321.101 459.80
LOCATION L0031875     VOLUME   461420.699 3777324.701 459.38
LOCATION L0031876     VOLUME   461420.699 3777328.301 458.96
LOCATION L0031877     VOLUME   461420.699 3777331.901 458.53
LOCATION L0031878     VOLUME   461420.699 3777335.501 458.11
LOCATION L0031879     VOLUME   461420.699 3777339.101 457.69
LOCATION L0031880     VOLUME   461420.699 3777342.701 457.33
LOCATION L0031881     VOLUME   461420.699 3777346.301 457.51
LOCATION L0031882     VOLUME   461420.699 3777349.901 457.69
LOCATION L0031883     VOLUME   461420.699 3777353.501 457.87
LOCATION L0031884     VOLUME   461420.699 3777357.101 458.05
LOCATION L0031885     VOLUME   461420.699 3777360.701 458.23
LOCATION L0031886     VOLUME   461420.699 3777364.301 458.41
LOCATION L0031887     VOLUME   461420.699 3777367.901 458.60
LOCATION L0031888     VOLUME   461420.699 3777371.501 458.78
LOCATION L0031889     VOLUME   461420.699 3777375.101 459.22
LOCATION L0031890     VOLUME   461420.699 3777378.701 459.87
LOCATION L0031891     VOLUME   461420.699 3777382.301 460.53
LOCATION L0031892     VOLUME   461420.699 3777385.901 461.18
LOCATION L0031893     VOLUME   461420.699 3777389.501 461.84
LOCATION L0031894     VOLUME   461420.699 3777393.101 462.49
LOCATION L0031895     VOLUME   461420.699 3777396.701 463.15
LOCATION L0031896     VOLUME   461420.699 3777400.301 463.80
LOCATION L0031897     VOLUME   461420.699 3777403.901 464.46
LOCATION L0031898     VOLUME   461420.699 3777407.501 464.61
LOCATION L0031899     VOLUME   461420.699 3777411.101 464.76
LOCATION L0031900     VOLUME   461420.699 3777414.701 464.90
LOCATION L0031901     VOLUME   461420.699 3777418.301 465.05
LOCATION L0031902     VOLUME   461420.699 3777421.901 465.19
LOCATION L0031903     VOLUME   461420.699 3777425.501 465.34
LOCATION L0031904     VOLUME   461420.699 3777429.101 465.48
LOCATION L0031905     VOLUME   461420.699 3777432.701 465.62
LOCATION L0031906     VOLUME   461420.699 3777436.301 465.71
LOCATION L0031907     VOLUME   461420.699 3777439.901 465.74
LOCATION L0031908     VOLUME   461420.699 3777443.501 465.76
LOCATION L0031909     VOLUME   461420.699 3777447.101 465.78
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** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC SR-210 WB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 5.27E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461362.223, 3777455.997, 464.91, 3.70, 1.67
** 461314.361, 3777452.749, 464.70, 3.70, 1.67
** 461281.749, 3777446.303, 463.49, 3.70, 1.67
** 461223.353, 3777428.101, 464.08, 3.70, 1.67
** 461170.265, 3777412.554, 462.90, 3.70, 1.67
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** 460899.138, 3777388.664, 464.68, 3.70, 1.67
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   LOCATION L0031912     VOLUME   461393.836 3777456.108 465.41
   LOCATION L0031913     VOLUME   461390.236 3777456.096 465.33
   LOCATION L0031914     VOLUME   461386.636 3777456.083 465.25
   LOCATION L0031915     VOLUME   461383.036 3777456.070 465.17
   LOCATION L0031916     VOLUME   461379.436 3777456.058 465.10
   LOCATION L0031917     VOLUME   461375.836 3777456.045 465.02
   LOCATION L0031918     VOLUME   461372.236 3777456.032 464.94
   LOCATION L0031919     VOLUME   461368.636 3777456.020 464.86
   LOCATION L0031920     VOLUME   461365.036 3777456.007 464.80
   LOCATION L0031921     VOLUME   461361.438 3777455.944 464.78
   LOCATION L0031922     VOLUME   461357.847 3777455.700 464.76
   LOCATION L0031923     VOLUME   461354.255 3777455.456 464.73
   LOCATION L0031924     VOLUME   461350.663 3777455.213 464.71
   LOCATION L0031925     VOLUME   461347.071 3777454.969 464.68
   LOCATION L0031926     VOLUME   461343.480 3777454.725 464.65
   LOCATION L0031927     VOLUME   461339.888 3777454.481 464.62
   LOCATION L0031928     VOLUME   461336.296 3777454.238 464.61
   LOCATION L0031929     VOLUME   461332.704 3777453.994 464.59
   LOCATION L0031930     VOLUME   461329.113 3777453.750 464.57
   LOCATION L0031931     VOLUME   461325.521 3777453.506 464.55
   LOCATION L0031932     VOLUME   461321.929 3777453.263 464.53
   LOCATION L0031933     VOLUME   461318.337 3777453.019 464.51
   LOCATION L0031934     VOLUME   461314.746 3777452.775 464.49
   LOCATION L0031935     VOLUME   461311.208 3777452.126 464.48
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LOCATION L0031936     VOLUME   461307.676 3777451.428 464.47
LOCATION L0031937     VOLUME   461304.144 3777450.729 464.45
LOCATION L0031938     VOLUME   461300.613 3777450.031 464.43
LOCATION L0031939     VOLUME   461297.081 3777449.333 464.40
LOCATION L0031940     VOLUME   461293.549 3777448.635 464.38
LOCATION L0031941     VOLUME   461290.018 3777447.937 464.34
LOCATION L0031942     VOLUME   461286.486 3777447.239 464.33
LOCATION L0031943     VOLUME   461282.954 3777446.541 464.31
LOCATION L0031944     VOLUME   461279.485 3777445.597 464.28
LOCATION L0031945     VOLUME   461276.048 3777444.526 464.23
LOCATION L0031946     VOLUME   461272.611 3777443.454 464.18
LOCATION L0031947     VOLUME   461269.174 3777442.383 464.12
LOCATION L0031948     VOLUME   461265.737 3777441.312 464.06
LOCATION L0031949     VOLUME   461262.300 3777440.241 464.00
LOCATION L0031950     VOLUME   461258.863 3777439.169 463.97
LOCATION L0031951     VOLUME   461255.427 3777438.098 463.95
LOCATION L0031952     VOLUME   461251.990 3777437.027 463.91
LOCATION L0031953     VOLUME   461248.553 3777435.956 463.88
LOCATION L0031954     VOLUME   461245.116 3777434.884 463.84
LOCATION L0031955     VOLUME   461241.679 3777433.813 463.80
LOCATION L0031956     VOLUME   461238.242 3777432.742 463.76
LOCATION L0031957     VOLUME   461234.805 3777431.671 463.74
LOCATION L0031958     VOLUME   461231.368 3777430.599 463.72
LOCATION L0031959     VOLUME   461227.931 3777429.528 463.70
LOCATION L0031960     VOLUME   461224.494 3777428.457 463.67
LOCATION L0031961     VOLUME   461221.045 3777427.425 463.65
LOCATION L0031962     VOLUME   461217.590 3777426.413 463.62
LOCATION L0031963     VOLUME   461214.136 3777425.402 463.59
LOCATION L0031964     VOLUME   461210.681 3777424.390 463.55
LOCATION L0031965     VOLUME   461207.226 3777423.378 463.52
LOCATION L0031966     VOLUME   461203.771 3777422.366 463.49
LOCATION L0031967     VOLUME   461200.316 3777421.355 463.46
LOCATION L0031968     VOLUME   461196.861 3777420.343 463.43
LOCATION L0031969     VOLUME   461193.406 3777419.331 463.39
LOCATION L0031970     VOLUME   461189.951 3777418.319 463.36
LOCATION L0031971     VOLUME   461186.496 3777417.307 463.32
LOCATION L0031972     VOLUME   461183.042 3777416.296 463.29
LOCATION L0031973     VOLUME   461179.587 3777415.284 463.26
LOCATION L0031974     VOLUME   461176.132 3777414.272 463.23
LOCATION L0031975     VOLUME   461172.677 3777413.260 463.21
LOCATION L0031976     VOLUME   461169.198 3777412.349 463.19
LOCATION L0031977     VOLUME   461165.662 3777411.670 463.21
LOCATION L0031978     VOLUME   461162.127 3777410.990 463.22
LOCATION L0031979     VOLUME   461158.592 3777410.311 463.21
LOCATION L0031980     VOLUME   461155.056 3777409.632 463.19
LOCATION L0031981     VOLUME   461151.521 3777408.953 463.17
LOCATION L0031982     VOLUME   461147.986 3777408.274 463.16
LOCATION L0031983     VOLUME   461144.450 3777407.594 463.14
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LOCATION L0031984     VOLUME   461140.915 3777406.915 463.12
LOCATION L0031985     VOLUME   461137.380 3777406.236 463.10
LOCATION L0031986     VOLUME   461133.844 3777405.557 463.09
LOCATION L0031987     VOLUME   461130.309 3777404.878 463.13
LOCATION L0031988     VOLUME   461126.774 3777404.198 463.17
LOCATION L0031989     VOLUME   461123.238 3777403.519 463.20
LOCATION L0031990     VOLUME   461119.703 3777402.840 463.24
LOCATION L0031991     VOLUME   461116.167 3777402.161 463.27
LOCATION L0031992     VOLUME   461112.632 3777401.482 463.30
LOCATION L0031993     VOLUME   461109.097 3777400.802 463.33
LOCATION L0031994     VOLUME   461105.561 3777400.123 463.39
LOCATION L0031995     VOLUME   461102.026 3777399.444 463.44
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LOCATION L0031997     VOLUME   461094.955 3777398.086 463.54
LOCATION L0031998     VOLUME   461091.403 3777397.510 463.59
LOCATION L0031999     VOLUME   461087.835 3777397.028 463.66
LOCATION L0032000     VOLUME   461084.268 3777396.546 463.72
LOCATION L0032001     VOLUME   461080.700 3777396.064 463.76
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LOCATION L0032005     VOLUME   461066.430 3777394.136 463.94
LOCATION L0032006     VOLUME   461062.862 3777393.654 463.98
LOCATION L0032007     VOLUME   461059.295 3777393.172 464.02
LOCATION L0032008     VOLUME   461055.727 3777392.689 464.04
LOCATION L0032009     VOLUME   461052.160 3777392.207 464.06
LOCATION L0032010     VOLUME   461048.569 3777392.018 464.10
LOCATION L0032011     VOLUME   461044.970 3777391.937 464.16
LOCATION L0032012     VOLUME   461041.371 3777391.857 464.22
LOCATION L0032013     VOLUME   461037.772 3777391.776 464.28
LOCATION L0032014     VOLUME   461034.173 3777391.695 464.34
LOCATION L0032015     VOLUME   461030.574 3777391.614 464.39
LOCATION L0032016     VOLUME   461026.975 3777391.534 464.42
LOCATION L0032017     VOLUME   461023.375 3777391.453 464.46
LOCATION L0032018     VOLUME   461019.776 3777391.372 464.50
LOCATION L0032019     VOLUME   461016.177 3777391.291 464.54
LOCATION L0032020     VOLUME   461012.578 3777391.210 464.58
LOCATION L0032021     VOLUME   461008.979 3777391.130 464.62
LOCATION L0032022     VOLUME   461005.380 3777391.049 464.65
LOCATION L0032023     VOLUME   461001.781 3777390.968 464.67
LOCATION L0032024     VOLUME   460998.182 3777390.887 464.69
LOCATION L0032025     VOLUME   460994.583 3777390.807 464.71
LOCATION L0032026     VOLUME   460990.984 3777390.726 464.74
LOCATION L0032027     VOLUME   460987.385 3777390.645 464.76
LOCATION L0032028     VOLUME   460983.785 3777390.564 464.78
LOCATION L0032029     VOLUME   460980.186 3777390.483 464.80
LOCATION L0032030     VOLUME   460976.587 3777390.403 464.81
LOCATION L0032031     VOLUME   460972.988 3777390.322 464.82
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   LOCATION L0032032     VOLUME   460969.389 3777390.241 464.83
   LOCATION L0032033     VOLUME   460965.790 3777390.160 464.84
   LOCATION L0032034     VOLUME   460962.191 3777390.080 464.85
   LOCATION L0032035     VOLUME   460958.592 3777389.999 464.86
   LOCATION L0032036     VOLUME   460954.993 3777389.918 464.87
   LOCATION L0032037     VOLUME   460951.394 3777389.837 464.89
   LOCATION L0032038     VOLUME   460947.794 3777389.756 464.91
   LOCATION L0032039     VOLUME   460944.195 3777389.676 464.94
   LOCATION L0032040     VOLUME   460940.596 3777389.595 464.96
   LOCATION L0032041     VOLUME   460936.997 3777389.514 464.98
   LOCATION L0032042     VOLUME   460933.398 3777389.433 465.00
   LOCATION L0032043     VOLUME   460929.799 3777389.353 465.02
   LOCATION L0032044     VOLUME   460926.200 3777389.272 465.05
   LOCATION L0032045     VOLUME   460922.601 3777389.191 465.07
   LOCATION L0032046     VOLUME   460919.002 3777389.110 465.10
   LOCATION L0032047     VOLUME   460915.403 3777389.029 465.13
   LOCATION L0032048     VOLUME   460911.804 3777388.949 465.16
   LOCATION L0032049     VOLUME   460908.204 3777388.868 465.19
   LOCATION L0032050     VOLUME   460904.605 3777388.787 465.21
   LOCATION L0032051     VOLUME   460901.006 3777388.706 465.24
** End of LINE VOLUME Source ID = SLINE15
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000145
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461409.287, 3777145.386, 460.25, 3.70, 1.67
** 461406.802, 3777064.261, 458.33, 3.70, 1.67
** 461403.367, 3776448.552, 445.66, 3.70, 1.67
** 461401.998, 3775830.108, 433.08, 3.70, 1.67
** 461404.732, 3775787.360, 431.96, 3.70, 1.67
** 461408.255, 3775767.888, 431.54, 3.70, 1.67
** 461411.350, 3775732.655, 430.92, 3.70, 1.67
** 461410.952, 3775681.342, 430.00, 3.70, 1.67
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   LOCATION L0032053     VOLUME   461407.707 3777256.695 462.68
   LOCATION L0032054     VOLUME   461407.758 3777253.095 462.63
   LOCATION L0032055     VOLUME   461407.809 3777249.495 462.58
   LOCATION L0032056     VOLUME   461407.861 3777245.896 462.51
   LOCATION L0032057     VOLUME   461407.912 3777242.296 462.43
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LOCATION L0032058     VOLUME   461407.963 3777238.696 462.36
LOCATION L0032059     VOLUME   461408.014 3777235.097 462.28
LOCATION L0032060     VOLUME   461408.065 3777231.497 462.21
LOCATION L0032061     VOLUME   461408.116 3777227.898 462.13
LOCATION L0032062     VOLUME   461408.167 3777224.298 462.06
LOCATION L0032063     VOLUME   461408.218 3777220.698 461.98
LOCATION L0032064     VOLUME   461408.269 3777217.099 461.90
LOCATION L0032065     VOLUME   461408.320 3777213.499 461.82
LOCATION L0032066     VOLUME   461408.371 3777209.899 461.74
LOCATION L0032067     VOLUME   461408.422 3777206.300 461.66
LOCATION L0032068     VOLUME   461408.474 3777202.700 461.58
LOCATION L0032069     VOLUME   461408.525 3777199.100 461.50
LOCATION L0032070     VOLUME   461408.576 3777195.501 461.42
LOCATION L0032071     VOLUME   461408.627 3777191.901 461.34
LOCATION L0032072     VOLUME   461408.678 3777188.302 461.25
LOCATION L0032073     VOLUME   461408.729 3777184.702 461.18
LOCATION L0032074     VOLUME   461408.780 3777181.102 461.10
LOCATION L0032075     VOLUME   461408.831 3777177.503 461.02
LOCATION L0032076     VOLUME   461408.882 3777173.903 460.94
LOCATION L0032077     VOLUME   461408.933 3777170.303 460.86
LOCATION L0032078     VOLUME   461408.984 3777166.704 460.79
LOCATION L0032079     VOLUME   461409.035 3777163.104 460.71
LOCATION L0032080     VOLUME   461409.086 3777159.504 460.63
LOCATION L0032081     VOLUME   461409.138 3777155.905 460.55
LOCATION L0032082     VOLUME   461409.189 3777152.305 460.47
LOCATION L0032083     VOLUME   461409.240 3777148.706 460.38
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LOCATION L0032086     VOLUME   461409.058 3777137.909 460.13
LOCATION L0032087     VOLUME   461408.948 3777134.311 460.05
LOCATION L0032088     VOLUME   461408.837 3777130.713 459.96
LOCATION L0032089     VOLUME   461408.727 3777127.114 459.88
LOCATION L0032090     VOLUME   461408.617 3777123.516 459.81
LOCATION L0032091     VOLUME   461408.507 3777119.918 459.74
LOCATION L0032092     VOLUME   461408.397 3777116.319 459.67
LOCATION L0032093     VOLUME   461408.286 3777112.721 459.60
LOCATION L0032094     VOLUME   461408.176 3777109.123 459.54
LOCATION L0032095     VOLUME   461408.066 3777105.525 459.47
LOCATION L0032096     VOLUME   461407.956 3777101.926 459.40
LOCATION L0032097     VOLUME   461407.845 3777098.328 459.33
LOCATION L0032098     VOLUME   461407.735 3777094.730 459.25
LOCATION L0032099     VOLUME   461407.625 3777091.131 459.15
LOCATION L0032100     VOLUME   461407.515 3777087.533 459.04
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LOCATION L0032102     VOLUME   461407.294 3777080.336 458.83
LOCATION L0032103     VOLUME   461407.184 3777076.738 458.73
LOCATION L0032104     VOLUME   461407.074 3777073.140 458.62
LOCATION L0032105     VOLUME   461406.964 3777069.541 458.52
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LOCATION L0032107     VOLUME   461406.791 3777062.344 458.32
LOCATION L0032108     VOLUME   461406.771 3777058.744 458.24
LOCATION L0032109     VOLUME   461406.751 3777055.144 458.15
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LOCATION L0032112     VOLUME   461406.691 3777044.344 457.90
LOCATION L0032113     VOLUME   461406.671 3777040.744 457.81
LOCATION L0032114     VOLUME   461406.651 3777037.144 457.73
LOCATION L0032115     VOLUME   461406.631 3777033.544 457.65
LOCATION L0032116     VOLUME   461406.610 3777029.944 457.58
LOCATION L0032117     VOLUME   461406.590 3777026.344 457.51
LOCATION L0032118     VOLUME   461406.570 3777022.745 457.44
LOCATION L0032119     VOLUME   461406.550 3777019.145 457.37
LOCATION L0032120     VOLUME   461406.530 3777015.545 457.30
LOCATION L0032121     VOLUME   461406.510 3777011.945 457.23
LOCATION L0032122     VOLUME   461406.490 3777008.345 457.17
LOCATION L0032123     VOLUME   461406.470 3777004.745 457.10
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LOCATION L0032137     VOLUME   461406.189 3776954.346 456.10
LOCATION L0032138     VOLUME   461406.169 3776950.746 456.02
LOCATION L0032139     VOLUME   461406.149 3776947.146 455.95
LOCATION L0032140     VOLUME   461406.128 3776943.546 455.87
LOCATION L0032141     VOLUME   461406.108 3776939.946 455.79
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LOCATION L0032144     VOLUME   461406.048 3776929.146 455.56
LOCATION L0032145     VOLUME   461406.028 3776925.546 455.48
LOCATION L0032146     VOLUME   461406.008 3776921.946 455.40
LOCATION L0032147     VOLUME   461405.988 3776918.346 455.32
LOCATION L0032148     VOLUME   461405.968 3776914.746 455.24
LOCATION L0032149     VOLUME   461405.948 3776911.146 455.17
LOCATION L0032150     VOLUME   461405.928 3776907.546 455.09
LOCATION L0032151     VOLUME   461405.907 3776903.946 455.02
LOCATION L0032152     VOLUME   461405.887 3776900.346 454.95
LOCATION L0032153     VOLUME   461405.867 3776896.747 454.88
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LOCATION L0032476     VOLUME   461411.189 3775734.487 430.81
LOCATION L0032477     VOLUME   461411.336 3775730.894 430.75
LOCATION L0032478     VOLUME   461411.308 3775727.294 430.69
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LOCATION L0032480     VOLUME   461411.252 3775720.094 430.56
LOCATION L0032481     VOLUME   461411.224 3775716.495 430.50
LOCATION L0032482     VOLUME   461411.197 3775712.895 430.43
LOCATION L0032483     VOLUME   461411.169 3775709.295 430.37
LOCATION L0032484     VOLUME   461411.141 3775705.695 430.33
LOCATION L0032485     VOLUME   461411.113 3775702.095 430.28
LOCATION L0032486     VOLUME   461411.085 3775698.495 430.24
LOCATION L0032487     VOLUME   461411.057 3775694.895 430.19
LOCATION L0032488     VOLUME   461411.029 3775691.295 430.15
LOCATION L0032489     VOLUME   461411.001 3775687.695 430.10
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** Line Source Represented by Adjacent Volume Sources
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** DESCRSRC Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000144
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 12
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   LOCATION L0032503     VOLUME   461420.433 3777217.315 461.89
   LOCATION L0032504     VOLUME   461420.388 3777213.715 461.81
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   LOCATION L0032510     VOLUME   461420.115 3777192.117 461.34
   LOCATION L0032511     VOLUME   461420.069 3777188.517 461.26
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LOCATION L0032560     VOLUME   461420.403 3777012.142 457.15
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** Line Source Represented by Adjacent Volume Sources
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** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - EB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000196
** Vertical Dimension = 6.22
** SZINIT = 2.89
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LOCATION L0033062     VOLUME   461895.063 3775679.635 429.12
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LOCATION L0033377     VOLUME   463029.027 3775674.998 423.58
LOCATION L0033378     VOLUME   463032.627 3775675.006 423.57
LOCATION L0033379     VOLUME   463036.227 3775675.009 423.56
LOCATION L0033380     VOLUME   463039.827 3775675.008 423.55
LOCATION L0033381     VOLUME   463043.427 3775675.007 423.54
LOCATION L0033382     VOLUME   463047.027 3775675.006 423.53
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LOCATION L0033390     VOLUME   463075.827 3775674.998 423.31
LOCATION L0033391     VOLUME   463079.427 3775674.997 423.28
LOCATION L0033392     VOLUME   463083.027 3775674.996 423.25
LOCATION L0033393     VOLUME   463086.627 3775674.995 423.23
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LOCATION L0033397     VOLUME   463101.027 3775674.991 423.11
LOCATION L0033398     VOLUME   463104.627 3775674.990 423.09
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LOCATION L0033401     VOLUME   463115.427 3775674.987 423.01
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LOCATION L0033403     VOLUME   463122.627 3775674.985 422.96
LOCATION L0033404     VOLUME   463126.227 3775674.984 422.94
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LOCATION L0033436     VOLUME   463241.427 3775674.953 422.41
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LOCATION L0033446     VOLUME   463277.427 3775674.943 422.17
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LOCATION L0033507     VOLUME   463497.023 3775673.753 420.81
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LOCATION L0033567     VOLUME   463713.022 3775673.543 419.37
LOCATION L0033568     VOLUME   463716.622 3775673.531 419.34
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LOCATION L0033634     VOLUME   463954.220 3775672.742 417.82
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LOCATION L0033636     VOLUME   463961.420 3775672.718 417.79
LOCATION L0033637     VOLUME   463965.020 3775672.706 417.77
LOCATION L0033638     VOLUME   463968.620 3775672.694 417.76
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   LOCATION L0033641     VOLUME   463979.420 3775672.658 417.72
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   LOCATION L0033654     VOLUME   464026.220 3775672.503 417.53
   LOCATION L0033655     VOLUME   464029.820 3775672.491 417.52
   LOCATION L0033656     VOLUME   464033.420 3775672.479 417.50
   LOCATION L0033657     VOLUME   464037.020 3775672.467 417.49
   LOCATION L0033658     VOLUME   464040.620 3775672.455 417.48
   LOCATION L0033659     VOLUME   464042.829 3775673.870 417.51
   LOCATION L0033660     VOLUME   464042.908 3775677.469 417.63
   LOCATION L0033661     VOLUME   464042.988 3775681.068 417.74
** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - WB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000194
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
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** 463910.999, 3775681.907, 418.19, 3.70, 1.67
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LOCATION L0033665     VOLUME   464028.002 3775681.050 417.77
LOCATION L0033666     VOLUME   464024.402 3775681.076 417.77
LOCATION L0033667     VOLUME   464020.802 3775681.103 417.78
LOCATION L0033668     VOLUME   464017.202 3775681.129 417.80
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LOCATION L0033670     VOLUME   464010.002 3775681.182 417.82
LOCATION L0033671     VOLUME   464006.403 3775681.208 417.83
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LOCATION L0034308     VOLUME   461713.247 3775689.257 429.52
LOCATION L0034309     VOLUME   461709.647 3775689.274 429.53
LOCATION L0034310     VOLUME   461706.047 3775689.291 429.54
LOCATION L0034311     VOLUME   461702.447 3775689.308 429.55
LOCATION L0034312     VOLUME   461698.847 3775689.325 429.56
LOCATION L0034313     VOLUME   461695.247 3775689.342 429.57
LOCATION L0034314     VOLUME   461691.647 3775689.359 429.59
LOCATION L0034315     VOLUME   461688.047 3775689.376 429.62
LOCATION L0034316     VOLUME   461684.447 3775689.393 429.65
LOCATION L0034317     VOLUME   461680.847 3775689.410 429.68
LOCATION L0034318     VOLUME   461677.247 3775689.427 429.72
LOCATION L0034319     VOLUME   461673.647 3775689.444 429.75
LOCATION L0034320     VOLUME   461670.047 3775689.461 429.78
LOCATION L0034321     VOLUME   461666.448 3775689.478 429.82
LOCATION L0034322     VOLUME   461662.848 3775689.495 429.83
LOCATION L0034323     VOLUME   461659.248 3775689.513 429.84
LOCATION L0034324     VOLUME   461655.648 3775689.530 429.85
LOCATION L0034325     VOLUME   461652.048 3775689.547 429.86
LOCATION L0034326     VOLUME   461648.448 3775689.564 429.88
LOCATION L0034327     VOLUME   461644.848 3775689.581 429.89
LOCATION L0034328     VOLUME   461641.248 3775689.598 429.90
LOCATION L0034329     VOLUME   461637.648 3775689.615 429.91
LOCATION L0034330     VOLUME   461634.048 3775689.632 429.92
LOCATION L0034331     VOLUME   461630.448 3775689.649 429.92
LOCATION L0034332     VOLUME   461626.848 3775689.666 429.93
LOCATION L0034333     VOLUME   461623.248 3775689.683 429.94
LOCATION L0034334     VOLUME   461619.648 3775689.700 429.95
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LOCATION L0034335     VOLUME   461616.048 3775689.717 429.96
LOCATION L0034336     VOLUME   461612.448 3775689.734 429.95
LOCATION L0034337     VOLUME   461608.848 3775689.751 429.93
LOCATION L0034338     VOLUME   461605.248 3775689.768 429.92
LOCATION L0034339     VOLUME   461601.648 3775689.785 429.90
LOCATION L0034340     VOLUME   461598.048 3775689.803 429.89
LOCATION L0034341     VOLUME   461594.448 3775689.820 429.88
LOCATION L0034342     VOLUME   461590.848 3775689.837 429.86
LOCATION L0034343     VOLUME   461587.248 3775689.854 429.85
LOCATION L0034344     VOLUME   461583.648 3775689.871 429.85
LOCATION L0034345     VOLUME   461580.048 3775689.888 429.86
LOCATION L0034346     VOLUME   461576.449 3775689.905 429.86
LOCATION L0034347     VOLUME   461572.849 3775689.922 429.86
LOCATION L0034348     VOLUME   461569.249 3775689.939 429.86
LOCATION L0034349     VOLUME   461565.649 3775689.956 429.86
LOCATION L0034350     VOLUME   461562.049 3775689.973 429.86
LOCATION L0034351     VOLUME   461558.449 3775689.990 429.87
LOCATION L0034352     VOLUME   461554.849 3775690.007 429.88
LOCATION L0034353     VOLUME   461551.249 3775690.024 429.89
LOCATION L0034354     VOLUME   461547.649 3775690.041 429.90
LOCATION L0034355     VOLUME   461544.049 3775690.058 429.91
LOCATION L0034356     VOLUME   461540.449 3775690.075 429.92
LOCATION L0034357     VOLUME   461536.849 3775690.093 429.93
LOCATION L0034358     VOLUME   461533.249 3775690.110 429.93
LOCATION L0034359     VOLUME   461529.649 3775690.127 429.94
LOCATION L0034360     VOLUME   461526.049 3775690.144 429.94
LOCATION L0034361     VOLUME   461522.449 3775690.161 429.95
LOCATION L0034362     VOLUME   461518.849 3775690.178 429.95
LOCATION L0034363     VOLUME   461515.249 3775690.195 429.96
LOCATION L0034364     VOLUME   461511.649 3775690.212 429.96
LOCATION L0034365     VOLUME   461508.049 3775690.229 429.96
LOCATION L0034366     VOLUME   461504.449 3775690.246 429.96
LOCATION L0034367     VOLUME   461500.849 3775690.263 429.96
LOCATION L0034368     VOLUME   461497.249 3775690.280 429.96
LOCATION L0034369     VOLUME   461493.649 3775690.297 429.97
LOCATION L0034370     VOLUME   461490.049 3775690.314 429.97
LOCATION L0034371     VOLUME   461486.450 3775690.331 429.97
LOCATION L0034372     VOLUME   461482.850 3775690.348 429.99
LOCATION L0034373     VOLUME   461479.250 3775690.365 430.00
LOCATION L0034374     VOLUME   461475.650 3775690.383 430.02
LOCATION L0034375     VOLUME   461472.050 3775690.400 430.04
LOCATION L0034376     VOLUME   461468.450 3775690.417 430.05
LOCATION L0034377     VOLUME   461464.850 3775690.434 430.07
LOCATION L0034378     VOLUME   461461.250 3775690.451 430.09
LOCATION L0034379     VOLUME   461457.650 3775690.468 430.11
LOCATION L0034380     VOLUME   461454.050 3775690.485 430.12
LOCATION L0034381     VOLUME   461450.450 3775690.502 430.14
LOCATION L0034382     VOLUME   461446.850 3775690.519 430.16
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   LOCATION L0034383     VOLUME   461443.250 3775690.536 430.18
   LOCATION L0034384     VOLUME   461439.650 3775690.553 430.19
   LOCATION L0034385     VOLUME   461436.050 3775690.570 430.21
   LOCATION L0034386     VOLUME   461432.450 3775690.587 430.20
   LOCATION L0034387     VOLUME   461428.850 3775690.604 430.19
   LOCATION L0034388     VOLUME   461425.250 3775690.621 430.18
** End of LINE VOLUME Source ID = SLINE19
** Source Parameters **
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0034389     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034390     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034391     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034392     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034393     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034394     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034395     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034396     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034397     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034398     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034399     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034400     0.00000009692      3.70      1.67      2.89
   SRCPARAM L0034401     0.00000009692      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0034402     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034403     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034404     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034405     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034406     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034407     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034408     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034409     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034410     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034411     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034412     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034413     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034414     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034415     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034416     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034417     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034418     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034419     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034420     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034421     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034422     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034423     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034424     0.00000004435      3.70      1.67      2.89
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   SRCPARAM L0034426     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034427     0.00000004435      3.70      1.67      2.89
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   SRCPARAM L0034429     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034430     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034431     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034432     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034433     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034434     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034435     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034436     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034437     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034438     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034439     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034440     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034441     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034442     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034443     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034444     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034445     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034446     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034447     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034448     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034449     0.00000004435      3.70      1.67      2.89
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   SRCPARAM L0034459     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034460     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034461     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034462     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034463     0.00000004435      3.70      1.67      2.89
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   SRCPARAM L0034465     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034466     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034467     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034468     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034469     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034470     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034471     0.00000006786      3.70      1.67      2.89
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SRCPARAM L0034472     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034473     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034474     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034475     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034476     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034477     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034478     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034479     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034480     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034481     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034482     0.00000006786      3.70      1.67      2.89
SRCPARAM L0034483     0.00000006786      3.70      1.67      2.89
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SRCPARAM L0034496     0.00000006786      3.70      1.67      2.89
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SRCPARAM L0034501     0.00000006786      3.70      1.67      2.89
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SRCPARAM L0034516     0.00000006786      3.70      1.67      2.89
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   SRCPARAM L0034540     0.00000006786      3.70      1.67      2.89
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   SRCPARAM L0034546     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034547     0.00000006786      3.70      1.67      2.89
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   SRCPARAM L0034550     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034551     0.00000008907      3.70      1.67 2.15813953E-06
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   SRCPARAM L0034570     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034571     0.00000008907      3.70      1.67 2.15813953E-06
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   SRCPARAM L0034590     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034591     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034592     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034593     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034594     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034595     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034596     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034597     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034598     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034599     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034600     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034601     0.00000008907      3.70      1.67 2.15813953E-06
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0034602     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034603     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034604     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034605     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034606     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034607     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034608     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034609     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034610     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034611     0.0000001375      3.70      1.67      2.89
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SRCPARAM L0034612     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034613     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034614     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034615     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034616     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034617     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034618     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034619     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034620     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034621     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034622     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034623     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034624     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034625     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034626     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034627     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034628     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034629     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034630     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034631     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034632     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034633     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034634     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034635     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034636     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034637     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034638     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034639     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034640     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034641     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034642     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034643     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034644     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034645     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034646     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034647     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034648     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034649     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034650     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034651     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034652     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034653     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034654     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034655     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034656     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034657     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034658     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034659     0.0000001375      3.70      1.67      2.89
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   SRCPARAM L0034660     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034661     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034662     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034663     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034664     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034665     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034666     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034667     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034668     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034669     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034670     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034671     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034672     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034673     0.0000001375      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0031403     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031404     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031405     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031406     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031407     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031408     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031409     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031410     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031411     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031412     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031413     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031414     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031415     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031416     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031417     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031418     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031419     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031420     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031421     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031422     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031423     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031424     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031425     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031426     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031427     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031428     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031429     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031430     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031431     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031432     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031433     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031434     0.00000003341      3.70      1.67      2.89
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SRCPARAM L0031435     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031436     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031437     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031438     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031439     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031440     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031441     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031442     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031443     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031444     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031445     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031446     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031447     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031448     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031449     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031450     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031451     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031452     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031453     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031454     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031455     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031456     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031457     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031458     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031459     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031460     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031461     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031462     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031463     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031464     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031465     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031466     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031467     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031468     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031469     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031470     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031471     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031472     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031473     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031474     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031475     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031476     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031477     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031478     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031479     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031480     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031481     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031482     0.00000003341      3.70      1.67      2.89
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   SRCPARAM L0031483     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031484     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031485     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031486     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031487     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031488     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031489     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031490     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031491     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031492     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031493     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031494     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031495     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031496     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031497     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031498     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031499     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031500     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031501     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031502     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031503     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031504     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031505     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031506     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031507     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031508     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031509     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031510     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031511     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031512     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031513     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031514     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031515     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031516     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031517     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031518     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031519     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031520     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031521     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031522     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031523     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031524     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031525     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031526     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031527     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031528     0.00000003341      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE11
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SRCPARAM L0031529     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031530     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031531     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031532     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031533     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031534     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031535     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031536     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031537     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031538     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031539     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031540     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031541     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031542     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031543     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031544     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031545     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031546     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031547     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031548     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031549     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031550     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031551     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031552     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031553     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031554     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031555     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031556     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031557     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031558     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031559     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031560     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031561     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031562     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031563     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031564     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031565     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031566     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031567     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031568     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031569     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031570     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031571     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031572     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031573     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031574     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031575     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031576     0.00000003341      3.70      1.67      2.89
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SRCPARAM	L0031577	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031578	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031579	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031580	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031581	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031582	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031583	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031584	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031585	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031586	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031587	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031588	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031589	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031590	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031591	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031592	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031593	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031594	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031595	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031596	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031597	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031598	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031599	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031600	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031601	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031602	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031603	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031604	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031605	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031606	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031607	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031608	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031609	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031610	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031611	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031612	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031613	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031614	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031615	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031616	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031617	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031618	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031619	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031620	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031621	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031622	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031623	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031624	0.00000003341	3.70	1.67	2.89

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   SRCPARAM L0031625     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031626     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031627     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031628     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031629     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031630     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031631     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031632     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031633     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031634     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031635     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031636     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031637     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031638     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031639     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031640     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031641     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031642     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031643     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031644     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031645     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031646     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031647     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031648     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031649     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031650     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031651     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031652     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031653     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031654     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031655     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031656     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031657     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031658     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031659     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031660     0.00000003341      3.70      1.67      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0031661     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031662     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031663     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031664     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031665     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031666     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031667     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031668     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031669     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031670     0.00000003175      3.70      1.67      2.89
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   SRCPARAM L0031671     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031672     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031673     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031674     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031675     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031676     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031677     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031678     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031679     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031680     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031681     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031682     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031683     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031684     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031685     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031686     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031687     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031688     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031689     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031690     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031691     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031692     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031693     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031694     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031695     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031696     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031697     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031698     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031699     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031700     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031701     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031702     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031703     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031704     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031705     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031706     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031707     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031708     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031709     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031710     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031711     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031712     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031713     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031714     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031715     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031716     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031717     0.00000003175      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0031718     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031719     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031720     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031721     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031722     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031723     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031724     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031725     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031726     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031727     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031728     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031729     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031730     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031731     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031732     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031733     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031734     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031735     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031736     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031737     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031738     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031739     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031740     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031741     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031742     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031743     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031744     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031745     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031746     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031747     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031748     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031749     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031750     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031751     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031752     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031753     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031754     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031755     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031756     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031757     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031758     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031759     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031760     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031761     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031762     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031763     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031764     0.00000003702      3.70      1.67      2.89
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SRCPARAM L0031765     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031766     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031767     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031768     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031769     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031770     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031771     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031772     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031773     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031774     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031775     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031776     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031777     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031778     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031779     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031780     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031781     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031782     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031783     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031784     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031785     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031786     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031787     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031788     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031789     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031790     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031791     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031792     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031793     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031794     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031795     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031796     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031797     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031798     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031799     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031800     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031801     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031802     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031803     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031804     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031805     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031806     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031807     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031808     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031809     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031810     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031811     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031812     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031813     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031814     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031815     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031816     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031817     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031818     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031819     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031820     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031821     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031822     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031823     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031824     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031825     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031826     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031827     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031828     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031829     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031830     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031831     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031832     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031833     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031834     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031835     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031836     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031837     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031838     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031839     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031840     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031841     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031842     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031843     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031844     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031845     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031846     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031847     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031848     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031849     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031850     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031851     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031852     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031853     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031854     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031855     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031856     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031857     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031858     0.00000003702      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE14
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SRCPARAM L0031859     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031860     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031861     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031862     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031863     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031864     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031865     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031866     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031867     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031868     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031869     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031870     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031871     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031872     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031873     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031874     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031875     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031876     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031877     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031878     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031879     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031880     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031881     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031882     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031883     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031884     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031885     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031886     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031887     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031888     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031889     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031890     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031891     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031892     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031893     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031894     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031895     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031896     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031897     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031898     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031899     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031900     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031901     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031902     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031903     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031904     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031905     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031906     0.00000003176      3.70      1.67      2.89
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   SRCPARAM L0031907     0.00000003176      3.70      1.67      2.89
   SRCPARAM L0031908     0.00000003176      3.70      1.67      2.89
   SRCPARAM L0031909     0.00000003176      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0031910     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031911     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031912     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031913     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031914     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031915     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031916     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031917     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031918     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031919     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031920     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031921     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031922     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031923     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031924     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031925     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031926     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031927     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031928     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031929     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031930     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031931     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031932     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031933     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031934     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031935     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031936     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031937     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031938     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031939     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031940     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031941     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031942     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031943     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031944     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031945     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031946     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031947     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031948     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031949     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031950     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031951     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031952     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0031953     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031954     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031955     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031956     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031957     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031958     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031959     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031960     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031961     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031962     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031963     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031964     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031965     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031966     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031967     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031968     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031969     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031970     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031971     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031972     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031973     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031974     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031975     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031976     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031977     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031978     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031979     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031980     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031981     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031982     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031983     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031984     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031985     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031986     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031987     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031988     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031989     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031990     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031991     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031992     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031993     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031994     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031995     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031996     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031997     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031998     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031999     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032000     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032001     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032002     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032003     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032004     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032005     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032006     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032007     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032008     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032009     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032010     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032011     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032012     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032013     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032014     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032015     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032016     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032017     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032018     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032019     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032020     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032021     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032022     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032023     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032024     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032025     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032026     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032027     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032028     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032029     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032030     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032031     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032032     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032033     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032034     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032035     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032036     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032037     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032038     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032039     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032040     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032041     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032042     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032043     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032044     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032045     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032046     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032047     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032048     0.00000003711      3.70      1.67      2.89
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   SRCPARAM L0032049     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0032050     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0032051     0.00000003711      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE16
   SRCPARAM L0032052     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032053     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032054     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032055     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032056     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032057     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032058     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032059     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032060     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032061     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032062     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032063     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032064     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032065     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032066     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032067     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032068     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032069     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032070     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032071     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032072     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032073     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032074     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032075     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032076     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032077     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032078     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032079     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032080     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032081     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032082     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032083     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032084     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032085     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032086     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032087     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032088     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032089     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032090     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032091     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032092     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032093     0.00000003303      3.70      1.67      2.89
   SRCPARAM L0032094     0.00000003303      3.70      1.67      2.89
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SRCPARAM L0032095     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032096     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032097     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032098     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032099     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032100     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032101     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032102     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032103     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032104     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032105     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032106     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032107     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032108     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032109     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032110     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032111     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032112     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032113     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032114     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032115     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032116     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032117     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032118     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032119     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032120     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032121     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032122     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032123     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032124     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032125     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032126     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032127     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032128     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032129     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032130     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032131     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032132     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032133     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032134     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032135     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032136     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032137     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032138     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032139     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032140     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032141     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032142     0.00000003303      3.70      1.67      2.89
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SRCPARAM L0032143     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032144     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032145     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032146     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032147     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032148     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032149     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032150     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032151     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032152     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032153     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032154     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032155     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032156     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032157     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032158     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032159     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032160     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032161     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032162     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032163     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032164     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032165     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032166     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032167     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032168     0.00000003303      3.70      1.67      2.89
SRCPARAM L0032169     0.00000003303      3.70      1.67      2.89
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SRCPARAM L0032478     0.00000003303      3.70      1.67      2.89
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SRCPARAM L0034296     0.00000002669      3.70      1.67      2.89
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SRCPARAM L0034344     0.00000002669      3.70      1.67      2.89
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   SRCPARAM L0034388     0.00000002669      3.70      1.67      2.89
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
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**
RE STARTING
   INCLUDED "Olive Grove Warehouse_2010.rou"
RE FINISHED
**
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** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
** Surface File Path: C:\Lakes\AERMOD View\Olive Grove Rialto_2014
Trucks\FONT_V9_ADJU\
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
** Profile File Path: C:\Lakes\AERMOD View\Olive Grove Rialto_2014
Trucks\FONT_V9_ADJU\
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD View\Olive Grove Rialto_2014 Trucks\OLIVE
GROVE WAREHOUSE_2010.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\Olive Grove Rialto_2014 Trucks\OLIVE
GROVE WAREHOUSE_2010.AD\PE00GALL.PLT" 32
   SUMMFILE "C:\Lakes\AERMOD View\Olive Grove Rialto_2014 Trucks\Olive Grove
Warehouse_2010.sum"
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 9/8/2021
** File: C:\Lakes\AERMOD View\Olive Grove Rialto_2014 Trucks\Olive Grove
Warehouse_2010.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Olive Ave Operations - Mitigatied
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Olive Grove Warehouse_2010.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.26E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 464043.031, 3775683.535, 417.91, 3.70, 1.67
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** 464042.115, 3775729.181, 419.03, 3.70, 1.67
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   LOCATION L0034389     VOLUME   464042.995 3775685.334 417.88
   LOCATION L0034390     VOLUME   464042.923 3775688.934 417.99
   LOCATION L0034391     VOLUME   464042.850 3775692.533 418.11
   LOCATION L0034392     VOLUME   464042.778 3775696.132 418.22
   LOCATION L0034393     VOLUME   464042.706 3775699.732 418.33
   LOCATION L0034394     VOLUME   464042.634 3775703.331 418.41
   LOCATION L0034395     VOLUME   464042.561 3775706.930 418.49
   LOCATION L0034396     VOLUME   464042.489 3775710.529 418.57
   LOCATION L0034397     VOLUME   464042.417 3775714.129 418.65
   LOCATION L0034398     VOLUME   464042.345 3775717.728 418.73
   LOCATION L0034399     VOLUME   464042.272 3775721.327 418.81
   LOCATION L0034400     VOLUME   464042.200 3775724.926 418.89
   LOCATION L0034401     VOLUME   464042.128 3775728.526 418.97
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Movement Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 2.75E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 464042.089, 3775729.299, 419.03, 3.70, 1.67
** 464053.951, 3775732.582, 419.01, 3.70, 1.67
** 464063.689, 3775737.147, 418.96, 3.70, 1.67
** 464069.776, 3775748.103, 419.02, 3.70, 1.67
** 464071.298, 3775760.580, 419.11, 3.70, 1.67
** 464071.298, 3775783.101, 418.89, 3.70, 1.67
** 464072.210, 3775936.574, 421.87, 3.70, 1.67
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   LOCATION L0034402     VOLUME   464043.824 3775729.779 419.00
   LOCATION L0034403     VOLUME   464047.293 3775730.739 419.03
   LOCATION L0034404     VOLUME   464050.763 3775731.699 419.03
   LOCATION L0034405     VOLUME   464054.216 3775732.706 419.03
   LOCATION L0034406     VOLUME   464057.475 3775734.234 419.04
   LOCATION L0034407     VOLUME   464060.735 3775735.762 419.04
   LOCATION L0034408     VOLUME   464063.853 3775737.441 419.03
   LOCATION L0034409     VOLUME   464065.601 3775740.588 419.05
   LOCATION L0034410     VOLUME   464067.350 3775743.735 419.07
   LOCATION L0034411     VOLUME   464069.098 3775746.882 419.08
   LOCATION L0034412     VOLUME   464070.043 3775750.290 419.09
   LOCATION L0034413     VOLUME   464070.479 3775753.864 419.12
   LOCATION L0034414     VOLUME   464070.914 3775757.437 419.14
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LOCATION	L0034415	VOLUME	464071.298	3775761.014	419.16
LOCATION	L0034416	VOLUME	464071.298	3775764.614	419.12
LOCATION	L0034417	VOLUME	464071.298	3775768.214	419.08
LOCATION	L0034418	VOLUME	464071.298	3775771.814	419.05
LOCATION	L0034419	VOLUME	464071.298	3775775.414	419.01
LOCATION	L0034420	VOLUME	464071.298	3775779.014	418.97
LOCATION	L0034421	VOLUME	464071.298	3775782.614	418.93
LOCATION	L0034422	VOLUME	464071.316	3775786.214	418.89
LOCATION	L0034423	VOLUME	464071.338	3775789.814	418.86
LOCATION	L0034424	VOLUME	464071.359	3775793.414	418.85
LOCATION	L0034425	VOLUME	464071.380	3775797.014	418.89
LOCATION	L0034426	VOLUME	464071.402	3775800.614	418.92
LOCATION	L0034427	VOLUME	464071.423	3775804.214	418.96
LOCATION	L0034428	VOLUME	464071.445	3775807.814	419.00
LOCATION	L0034429	VOLUME	464071.466	3775811.413	419.03
LOCATION	L0034430	VOLUME	464071.487	3775815.013	419.07
LOCATION	L0034431	VOLUME	464071.509	3775818.613	419.10
LOCATION	L0034432	VOLUME	464071.530	3775822.213	419.14
LOCATION	L0034433	VOLUME	464071.552	3775825.813	419.19
LOCATION	L0034434	VOLUME	464071.573	3775829.413	419.25
LOCATION	L0034435	VOLUME	464071.594	3775833.013	419.30
LOCATION	L0034436	VOLUME	464071.616	3775836.613	419.36
LOCATION	L0034437	VOLUME	464071.637	3775840.213	419.41
LOCATION	L0034438	VOLUME	464071.659	3775843.813	419.46
LOCATION	L0034439	VOLUME	464071.680	3775847.413	419.52
LOCATION	L0034440	VOLUME	464071.701	3775851.013	419.57
LOCATION	L0034441	VOLUME	464071.723	3775854.613	419.63
LOCATION	L0034442	VOLUME	464071.744	3775858.213	419.68
LOCATION	L0034443	VOLUME	464071.765	3775861.813	419.73
LOCATION	L0034444	VOLUME	464071.787	3775865.413	419.78
LOCATION	L0034445	VOLUME	464071.808	3775869.012	419.83
LOCATION	L0034446	VOLUME	464071.830	3775872.612	419.89
LOCATION	L0034447	VOLUME	464071.851	3775876.212	419.94
LOCATION	L0034448	VOLUME	464071.872	3775879.812	419.99
LOCATION	L0034449	VOLUME	464071.894	3775883.412	420.04
LOCATION	L0034450	VOLUME	464071.915	3775887.012	420.14
LOCATION	L0034451	VOLUME	464071.937	3775890.612	420.24
LOCATION	L0034452	VOLUME	464071.958	3775894.212	420.35
LOCATION	L0034453	VOLUME	464071.979	3775897.812	420.45
LOCATION	L0034454	VOLUME	464072.001	3775901.412	420.56
LOCATION	L0034455	VOLUME	464072.022	3775905.012	420.66
LOCATION	L0034456	VOLUME	464072.044	3775908.612	420.77
LOCATION	L0034457	VOLUME	464072.065	3775912.212	420.87
LOCATION	L0034458	VOLUME	464072.086	3775915.812	420.98
LOCATION	L0034459	VOLUME	464072.108	3775919.412	421.11
LOCATION	L0034460	VOLUME	464072.129	3775923.012	421.23
LOCATION	L0034461	VOLUME	464072.151	3775926.611	421.36
LOCATION	L0034462	VOLUME	464072.172	3775930.211	421.48

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   LOCATION L0034463     VOLUME   464072.193 3775933.811 421.60
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-Site Movement - Bldg 1
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 5.7E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
** 464041.559, 3775728.892, 419.03, 3.70, 1.67
** 464025.852, 3775732.810, 419.00, 3.70, 1.67
** 464017.816, 3775735.565, 419.03, 3.70, 1.67
** 464010.382, 3775740.343, 419.11, 3.70, 1.67
** 464005.368, 3775745.357, 419.15, 3.70, 1.67
** 464002.861, 3775753.952, 419.48, 3.70, 1.67
** 464002.145, 3775775.441, 419.80, 3.70, 1.67
** 464001.478, 3776005.610, 423.26, 3.70, 1.67
** ------------------------------------------------------------------------
   LOCATION L0034464     VOLUME   464039.812 3775729.328 418.99
   LOCATION L0034465     VOLUME   464036.319 3775730.199 419.01
   LOCATION L0034466     VOLUME   464032.826 3775731.070 419.02
   LOCATION L0034467     VOLUME   464029.333 3775731.942 419.03
   LOCATION L0034468     VOLUME   464025.841 3775732.814 419.04
   LOCATION L0034469     VOLUME   464022.435 3775733.982 419.06
   LOCATION L0034470     VOLUME   464019.030 3775735.149 419.08
   LOCATION L0034471     VOLUME   464015.867 3775736.818 419.12
   LOCATION L0034472     VOLUME   464012.838 3775738.764 419.16
   LOCATION L0034473     VOLUME   464009.901 3775740.824 419.20
   LOCATION L0034474     VOLUME   464007.356 3775743.369 419.24
   LOCATION L0034475     VOLUME   464005.147 3775746.114 419.28
   LOCATION L0034476     VOLUME   464004.139 3775749.570 419.34
   LOCATION L0034477     VOLUME   464003.131 3775753.026 419.39
   LOCATION L0034478     VOLUME   464002.773 3775756.586 419.44
   LOCATION L0034479     VOLUME   464002.653 3775760.184 419.50
   LOCATION L0034480     VOLUME   464002.533 3775763.782 419.54
   LOCATION L0034481     VOLUME   464002.413 3775767.380 419.59
   LOCATION L0034482     VOLUME   464002.293 3775770.978 419.63
   LOCATION L0034483     VOLUME   464002.173 3775774.576 419.67
   LOCATION L0034484     VOLUME   464002.137 3775778.176 419.72
   LOCATION L0034485     VOLUME   464002.126 3775781.776 419.76
   LOCATION L0034486     VOLUME   464002.116 3775785.376 419.81
   LOCATION L0034487     VOLUME   464002.105 3775788.976 419.85
   LOCATION L0034488     VOLUME   464002.095 3775792.576 419.89
   LOCATION L0034489     VOLUME   464002.085 3775796.176 419.94
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LOCATION	L0034490	VOLUME	464002.074	3775799.776	419.99
LOCATION	L0034491	VOLUME	464002.064	3775803.376	420.05
LOCATION	L0034492	VOLUME	464002.053	3775806.976	420.10
LOCATION	L0034493	VOLUME	464002.043	3775810.576	420.15
LOCATION	L0034494	VOLUME	464002.032	3775814.176	420.20
LOCATION	L0034495	VOLUME	464002.022	3775817.776	420.25
LOCATION	L0034496	VOLUME	464002.012	3775821.376	420.30
LOCATION	L0034497	VOLUME	464002.001	3775824.976	420.35
LOCATION	L0034498	VOLUME	464001.991	3775828.576	420.42
LOCATION	L0034499	VOLUME	464001.980	3775832.176	420.48
LOCATION	L0034500	VOLUME	464001.970	3775835.776	420.54
LOCATION	L0034501	VOLUME	464001.959	3775839.376	420.60
LOCATION	L0034502	VOLUME	464001.949	3775842.976	420.67
LOCATION	L0034503	VOLUME	464001.938	3775846.575	420.73
LOCATION	L0034504	VOLUME	464001.928	3775850.175	420.79
LOCATION	L0034505	VOLUME	464001.918	3775853.775	420.85
LOCATION	L0034506	VOLUME	464001.907	3775857.375	420.91
LOCATION	L0034507	VOLUME	464001.897	3775860.975	420.96
LOCATION	L0034508	VOLUME	464001.886	3775864.575	421.01
LOCATION	L0034509	VOLUME	464001.876	3775868.175	421.06
LOCATION	L0034510	VOLUME	464001.865	3775871.775	421.11
LOCATION	L0034511	VOLUME	464001.855	3775875.375	421.16
LOCATION	L0034512	VOLUME	464001.845	3775878.975	421.21
LOCATION	L0034513	VOLUME	464001.834	3775882.575	421.27
LOCATION	L0034514	VOLUME	464001.824	3775886.175	421.32
LOCATION	L0034515	VOLUME	464001.813	3775889.775	421.37
LOCATION	L0034516	VOLUME	464001.803	3775893.375	421.43
LOCATION	L0034517	VOLUME	464001.792	3775896.975	421.48
LOCATION	L0034518	VOLUME	464001.782	3775900.575	421.54
LOCATION	L0034519	VOLUME	464001.772	3775904.175	421.59
LOCATION	L0034520	VOLUME	464001.761	3775907.775	421.64
LOCATION	L0034521	VOLUME	464001.751	3775911.375	421.70
LOCATION	L0034522	VOLUME	464001.740	3775914.975	421.75
LOCATION	L0034523	VOLUME	464001.730	3775918.575	421.82
LOCATION	L0034524	VOLUME	464001.719	3775922.175	421.89
LOCATION	L0034525	VOLUME	464001.709	3775925.775	421.96
LOCATION	L0034526	VOLUME	464001.698	3775929.375	422.03
LOCATION	L0034527	VOLUME	464001.688	3775932.975	422.10
LOCATION	L0034528	VOLUME	464001.678	3775936.575	422.17
LOCATION	L0034529	VOLUME	464001.667	3775940.175	422.24
LOCATION	L0034530	VOLUME	464001.657	3775943.775	422.31
LOCATION	L0034531	VOLUME	464001.646	3775947.375	422.39
LOCATION	L0034532	VOLUME	464001.636	3775950.975	422.46
LOCATION	L0034533	VOLUME	464001.625	3775954.575	422.54
LOCATION	L0034534	VOLUME	464001.615	3775958.175	422.61
LOCATION	L0034535	VOLUME	464001.605	3775961.775	422.69
LOCATION	L0034536	VOLUME	464001.594	3775965.375	422.76
LOCATION	L0034537	VOLUME	464001.584	3775968.975	422.84

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   LOCATION L0034538     VOLUME   464001.573 3775972.575 422.91
   LOCATION L0034539     VOLUME   464001.563 3775976.175 422.99
   LOCATION L0034540     VOLUME   464001.552 3775979.775 423.03
   LOCATION L0034541     VOLUME   464001.542 3775983.375 423.06
   LOCATION L0034542     VOLUME   464001.532 3775986.975 423.09
   LOCATION L0034543     VOLUME   464001.521 3775990.575 423.11
   LOCATION L0034544     VOLUME   464001.511 3775994.175 423.14
   LOCATION L0034545     VOLUME   464001.500 3775997.775 423.17
   LOCATION L0034546     VOLUME   464001.490 3776001.375 423.20
   LOCATION L0034547     VOLUME   464001.479 3776004.975 423.23
** End of LINE VOLUME Source ID = SLINE7
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC On-Site Idling - Bldg 2
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 4.81E-06
** Vertical Dimension = 4.64E-06
** SZINIT = 2.15813953E-06
** Nodes = 2
** 464091.884, 3775933.047, 422.01, 3.70, 1.67
** 464090.695, 3775737.363, 418.70, 3.70, 1.67
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   LOCATION L0034548     VOLUME   464091.874 3775931.247 421.74
   LOCATION L0034549     VOLUME   464091.852 3775927.647 421.67
   LOCATION L0034550     VOLUME   464091.830 3775924.047 421.60
   LOCATION L0034551     VOLUME   464091.808 3775920.447 421.54
   LOCATION L0034552     VOLUME   464091.786 3775916.847 421.47
   LOCATION L0034553     VOLUME   464091.764 3775913.247 421.39
   LOCATION L0034554     VOLUME   464091.742 3775909.647 421.29
   LOCATION L0034555     VOLUME   464091.720 3775906.047 421.20
   LOCATION L0034556     VOLUME   464091.698 3775902.447 421.11
   LOCATION L0034557     VOLUME   464091.677 3775898.848 421.02
   LOCATION L0034558     VOLUME   464091.655 3775895.248 420.92
   LOCATION L0034559     VOLUME   464091.633 3775891.648 420.83
   LOCATION L0034560     VOLUME   464091.611 3775888.048 420.74
   LOCATION L0034561     VOLUME   464091.589 3775884.448 420.64
   LOCATION L0034562     VOLUME   464091.567 3775880.848 420.57
   LOCATION L0034563     VOLUME   464091.545 3775877.248 420.49
   LOCATION L0034564     VOLUME   464091.523 3775873.648 420.42
   LOCATION L0034565     VOLUME   464091.502 3775870.048 420.34
   LOCATION L0034566     VOLUME   464091.480 3775866.448 420.27
   LOCATION L0034567     VOLUME   464091.458 3775862.848 420.19
   LOCATION L0034568     VOLUME   464091.436 3775859.248 420.12
   LOCATION L0034569     VOLUME   464091.414 3775855.648 420.04
   LOCATION L0034570     VOLUME   464091.392 3775852.048 419.96
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   LOCATION L0034571     VOLUME   464091.370 3775848.448 419.88
   LOCATION L0034572     VOLUME   464091.348 3775844.849 419.79
   LOCATION L0034573     VOLUME   464091.326 3775841.249 419.70
   LOCATION L0034574     VOLUME   464091.305 3775837.649 419.61
   LOCATION L0034575     VOLUME   464091.283 3775834.049 419.52
   LOCATION L0034576     VOLUME   464091.261 3775830.449 419.43
   LOCATION L0034577     VOLUME   464091.239 3775826.849 419.35
   LOCATION L0034578     VOLUME   464091.217 3775823.249 419.26
   LOCATION L0034579     VOLUME   464091.195 3775819.649 419.16
   LOCATION L0034580     VOLUME   464091.173 3775816.049 419.06
   LOCATION L0034581     VOLUME   464091.151 3775812.449 418.97
   LOCATION L0034582     VOLUME   464091.129 3775808.849 418.87
   LOCATION L0034583     VOLUME   464091.108 3775805.249 418.77
   LOCATION L0034584     VOLUME   464091.086 3775801.649 418.67
   LOCATION L0034585     VOLUME   464091.064 3775798.049 418.57
   LOCATION L0034586     VOLUME   464091.042 3775794.449 418.48
   LOCATION L0034587     VOLUME   464091.020 3775790.850 418.41
   LOCATION L0034588     VOLUME   464090.998 3775787.250 418.43
   LOCATION L0034589     VOLUME   464090.976 3775783.650 418.46
   LOCATION L0034590     VOLUME   464090.954 3775780.050 418.48
   LOCATION L0034591     VOLUME   464090.933 3775776.450 418.50
   LOCATION L0034592     VOLUME   464090.911 3775772.850 418.53
   LOCATION L0034593     VOLUME   464090.889 3775769.250 418.55
   LOCATION L0034594     VOLUME   464090.867 3775765.650 418.58
   LOCATION L0034595     VOLUME   464090.845 3775762.050 418.60
   LOCATION L0034596     VOLUME   464090.823 3775758.450 418.62
   LOCATION L0034597     VOLUME   464090.801 3775754.850 418.64
   LOCATION L0034598     VOLUME   464090.779 3775751.250 418.67
   LOCATION L0034599     VOLUME   464090.757 3775747.650 418.69
   LOCATION L0034600     VOLUME   464090.736 3775744.050 418.71
   LOCATION L0034601     VOLUME   464090.714 3775740.450 418.73
** End of LINE VOLUME Source ID = SLINE8
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC On-Site Idling - Bldg 1
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 9.9E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 463981.850, 3776005.610, 423.27, 3.70, 1.67
** 463982.444, 3775745.096, 419.15, 3.70, 1.67
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   LOCATION L0034602     VOLUME   463981.854 3776003.810 423.24
   LOCATION L0034603     VOLUME   463981.862 3776000.210 423.19
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LOCATION L0034604     VOLUME   463981.870 3775996.610 423.15
LOCATION L0034605     VOLUME   463981.878 3775993.010 423.10
LOCATION L0034606     VOLUME   463981.887 3775989.410 423.06
LOCATION L0034607     VOLUME   463981.895 3775985.810 423.01
LOCATION L0034608     VOLUME   463981.903 3775982.210 422.97
LOCATION L0034609     VOLUME   463981.911 3775978.610 422.92
LOCATION L0034610     VOLUME   463981.920 3775975.010 422.86
LOCATION L0034611     VOLUME   463981.928 3775971.410 422.79
LOCATION L0034612     VOLUME   463981.936 3775967.810 422.72
LOCATION L0034613     VOLUME   463981.944 3775964.210 422.65
LOCATION L0034614     VOLUME   463981.952 3775960.611 422.58
LOCATION L0034615     VOLUME   463981.961 3775957.011 422.51
LOCATION L0034616     VOLUME   463981.969 3775953.411 422.44
LOCATION L0034617     VOLUME   463981.977 3775949.811 422.37
LOCATION L0034618     VOLUME   463981.985 3775946.211 422.30
LOCATION L0034619     VOLUME   463981.994 3775942.611 422.24
LOCATION L0034620     VOLUME   463982.002 3775939.011 422.17
LOCATION L0034621     VOLUME   463982.010 3775935.411 422.10
LOCATION L0034622     VOLUME   463982.018 3775931.811 422.04
LOCATION L0034623     VOLUME   463982.026 3775928.211 421.97
LOCATION L0034624     VOLUME   463982.035 3775924.611 421.90
LOCATION L0034625     VOLUME   463982.043 3775921.011 421.84
LOCATION L0034626     VOLUME   463982.051 3775917.411 421.77
LOCATION L0034627     VOLUME   463982.059 3775913.811 421.71
LOCATION L0034628     VOLUME   463982.068 3775910.211 421.65
LOCATION L0034629     VOLUME   463982.076 3775906.611 421.60
LOCATION L0034630     VOLUME   463982.084 3775903.011 421.54
LOCATION L0034631     VOLUME   463982.092 3775899.411 421.49
LOCATION L0034632     VOLUME   463982.100 3775895.811 421.43
LOCATION L0034633     VOLUME   463982.109 3775892.211 421.38
LOCATION L0034634     VOLUME   463982.117 3775888.611 421.32
LOCATION L0034635     VOLUME   463982.125 3775885.011 421.27
LOCATION L0034636     VOLUME   463982.133 3775881.411 421.21
LOCATION L0034637     VOLUME   463982.141 3775877.811 421.16
LOCATION L0034638     VOLUME   463982.150 3775874.211 421.10
LOCATION L0034639     VOLUME   463982.158 3775870.611 421.05
LOCATION L0034640     VOLUME   463982.166 3775867.011 420.99
LOCATION L0034641     VOLUME   463982.174 3775863.411 420.94
LOCATION L0034642     VOLUME   463982.183 3775859.811 420.88
LOCATION L0034643     VOLUME   463982.191 3775856.211 420.83
LOCATION L0034644     VOLUME   463982.199 3775852.611 420.77
LOCATION L0034645     VOLUME   463982.207 3775849.011 420.71
LOCATION L0034646     VOLUME   463982.215 3775845.411 420.64
LOCATION L0034647     VOLUME   463982.224 3775841.811 420.58
LOCATION L0034648     VOLUME   463982.232 3775838.211 420.51
LOCATION L0034649     VOLUME   463982.240 3775834.611 420.45
LOCATION L0034650     VOLUME   463982.248 3775831.011 420.38
LOCATION L0034651     VOLUME   463982.257 3775827.411 420.32
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   LOCATION L0034652     VOLUME   463982.265 3775823.811 420.26
   LOCATION L0034653     VOLUME   463982.273 3775820.211 420.20
   LOCATION L0034654     VOLUME   463982.281 3775816.611 420.14
   LOCATION L0034655     VOLUME   463982.289 3775813.011 420.09
   LOCATION L0034656     VOLUME   463982.298 3775809.411 420.03
   LOCATION L0034657     VOLUME   463982.306 3775805.811 419.98
   LOCATION L0034658     VOLUME   463982.314 3775802.211 419.92
   LOCATION L0034659     VOLUME   463982.322 3775798.611 419.87
   LOCATION L0034660     VOLUME   463982.331 3775795.011 419.81
   LOCATION L0034661     VOLUME   463982.339 3775791.411 419.76
   LOCATION L0034662     VOLUME   463982.347 3775787.811 419.72
   LOCATION L0034663     VOLUME   463982.355 3775784.211 419.69
   LOCATION L0034664     VOLUME   463982.363 3775780.611 419.65
   LOCATION L0034665     VOLUME   463982.372 3775777.011 419.61
   LOCATION L0034666     VOLUME   463982.380 3775773.411 419.58
   LOCATION L0034667     VOLUME   463982.388 3775769.811 419.54
   LOCATION L0034668     VOLUME   463982.396 3775766.211 419.50
   LOCATION L0034669     VOLUME   463982.405 3775762.611 419.47
   LOCATION L0034670     VOLUME   463982.413 3775759.011 419.42
   LOCATION L0034671     VOLUME   463982.421 3775755.411 419.37
   LOCATION L0034672     VOLUME   463982.429 3775751.811 419.32
   LOCATION L0034673     VOLUME   463982.437 3775748.211 419.27
** End of LINE VOLUME Source ID = SLINE9
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC SR-210 WB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 4.21E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 461873.459, 3777383.026, 457.74, 3.70, 1.67
** 461787.495, 3777390.972, 458.44, 3.70, 1.67
** 461705.865, 3777401.808, 459.35, 3.70, 1.67
** 461632.903, 3777420.590, 459.50, 3.70, 1.67
** 461572.223, 3777440.095, 461.28, 3.70, 1.67
** 461524.545, 3777453.098, 463.37, 3.70, 1.67
** 461427.022, 3777455.265, 465.48, 3.70, 1.67
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   LOCATION L0031403     VOLUME   461871.667 3777383.191 457.49
   LOCATION L0031404     VOLUME   461868.082 3777383.523 457.53
   LOCATION L0031405     VOLUME   461864.497 3777383.854 457.58
   LOCATION L0031406     VOLUME   461860.912 3777384.186 457.63
   LOCATION L0031407     VOLUME   461857.328 3777384.517 457.68
   LOCATION L0031408     VOLUME   461853.743 3777384.848 457.73
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LOCATION L0031409     VOLUME   461850.158 3777385.180 457.75
LOCATION L0031410     VOLUME   461846.574 3777385.511 457.77
LOCATION L0031411     VOLUME   461842.989 3777385.842 457.78
LOCATION L0031412     VOLUME   461839.404 3777386.174 457.80
LOCATION L0031413     VOLUME   461835.819 3777386.505 457.81
LOCATION L0031414     VOLUME   461832.235 3777386.836 457.83
LOCATION L0031415     VOLUME   461828.650 3777387.168 457.85
LOCATION L0031416     VOLUME   461825.065 3777387.499 457.85
LOCATION L0031417     VOLUME   461821.481 3777387.831 457.84
LOCATION L0031418     VOLUME   461817.896 3777388.162 457.83
LOCATION L0031419     VOLUME   461814.311 3777388.493 457.82
LOCATION L0031420     VOLUME   461810.726 3777388.825 457.82
LOCATION L0031421     VOLUME   461807.142 3777389.156 457.81
LOCATION L0031422     VOLUME   461803.557 3777389.487 457.79
LOCATION L0031423     VOLUME   461799.972 3777389.819 457.81
LOCATION L0031424     VOLUME   461796.388 3777390.150 457.89
LOCATION L0031425     VOLUME   461792.803 3777390.481 457.96
LOCATION L0031426     VOLUME   461789.218 3777390.813 458.04
LOCATION L0031427     VOLUME   461785.642 3777391.218 458.13
LOCATION L0031428     VOLUME   461782.073 3777391.692 458.23
LOCATION L0031429     VOLUME   461778.504 3777392.165 458.33
LOCATION L0031430     VOLUME   461774.936 3777392.639 458.43
LOCATION L0031431     VOLUME   461771.367 3777393.113 458.49
LOCATION L0031432     VOLUME   461767.798 3777393.587 458.56
LOCATION L0031433     VOLUME   461764.230 3777394.060 458.62
LOCATION L0031434     VOLUME   461760.661 3777394.534 458.68
LOCATION L0031435     VOLUME   461757.092 3777395.008 458.74
LOCATION L0031436     VOLUME   461753.523 3777395.482 458.80
LOCATION L0031437     VOLUME   461749.955 3777395.955 458.86
LOCATION L0031438     VOLUME   461746.386 3777396.429 458.90
LOCATION L0031439     VOLUME   461742.817 3777396.903 458.94
LOCATION L0031440     VOLUME   461739.249 3777397.376 458.97
LOCATION L0031441     VOLUME   461735.680 3777397.850 459.00
LOCATION L0031442     VOLUME   461732.111 3777398.324 459.04
LOCATION L0031443     VOLUME   461728.543 3777398.798 459.07
LOCATION L0031444     VOLUME   461724.974 3777399.271 459.09
LOCATION L0031445     VOLUME   461721.405 3777399.745 459.11
LOCATION L0031446     VOLUME   461717.837 3777400.219 459.13
LOCATION L0031447     VOLUME   461714.268 3777400.692 459.14
LOCATION L0031448     VOLUME   461710.699 3777401.166 459.15
LOCATION L0031449     VOLUME   461707.130 3777401.640 459.16
LOCATION L0031450     VOLUME   461703.615 3777402.387 459.20
LOCATION L0031451     VOLUME   461700.129 3777403.285 459.25
LOCATION L0031452     VOLUME   461696.642 3777404.182 459.27
LOCATION L0031453     VOLUME   461693.156 3777405.079 459.28
LOCATION L0031454     VOLUME   461689.670 3777405.977 459.29
LOCATION L0031455     VOLUME   461686.183 3777406.874 459.31
LOCATION L0031456     VOLUME   461682.697 3777407.772 459.34
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LOCATION L0031457     VOLUME   461679.211 3777408.669 459.36
LOCATION L0031458     VOLUME   461675.724 3777409.567 459.39
LOCATION L0031459     VOLUME   461672.238 3777410.464 459.43
LOCATION L0031460     VOLUME   461668.752 3777411.362 459.49
LOCATION L0031461     VOLUME   461665.265 3777412.259 459.55
LOCATION L0031462     VOLUME   461661.779 3777413.157 459.61
LOCATION L0031463     VOLUME   461658.293 3777414.054 459.67
LOCATION L0031464     VOLUME   461654.806 3777414.952 459.74
LOCATION L0031465     VOLUME   461651.320 3777415.849 459.80
LOCATION L0031466     VOLUME   461647.833 3777416.747 459.88
LOCATION L0031467     VOLUME   461644.347 3777417.644 459.97
LOCATION L0031468     VOLUME   461640.861 3777418.542 460.07
LOCATION L0031469     VOLUME   461637.374 3777419.439 460.16
LOCATION L0031470     VOLUME   461633.888 3777420.337 460.26
LOCATION L0031471     VOLUME   461630.444 3777421.380 460.37
LOCATION L0031472     VOLUME   461627.017 3777422.482 460.49
LOCATION L0031473     VOLUME   461623.590 3777423.584 460.60
LOCATION L0031474     VOLUME   461620.162 3777424.685 460.72
LOCATION L0031475     VOLUME   461616.735 3777425.787 460.83
LOCATION L0031476     VOLUME   461613.308 3777426.889 460.94
LOCATION L0031477     VOLUME   461609.880 3777427.990 461.04
LOCATION L0031478     VOLUME   461606.453 3777429.092 461.13
LOCATION L0031479     VOLUME   461603.026 3777430.194 461.22
LOCATION L0031480     VOLUME   461599.598 3777431.295 461.30
LOCATION L0031481     VOLUME   461596.171 3777432.397 461.38
LOCATION L0031482     VOLUME   461592.744 3777433.498 461.46
LOCATION L0031483     VOLUME   461589.317 3777434.600 461.52
LOCATION L0031484     VOLUME   461585.889 3777435.702 461.57
LOCATION L0031485     VOLUME   461582.462 3777436.803 461.63
LOCATION L0031486     VOLUME   461579.035 3777437.905 461.68
LOCATION L0031487     VOLUME   461575.607 3777439.007 461.73
LOCATION L0031488     VOLUME   461572.179 3777440.106 461.79
LOCATION L0031489     VOLUME   461568.706 3777441.054 461.88
LOCATION L0031490     VOLUME   461565.233 3777442.001 461.99
LOCATION L0031491     VOLUME   461561.760 3777442.948 462.10
LOCATION L0031492     VOLUME   461558.287 3777443.895 462.21
LOCATION L0031493     VOLUME   461554.814 3777444.842 462.31
LOCATION L0031494     VOLUME   461551.341 3777445.790 462.41
LOCATION L0031495     VOLUME   461547.867 3777446.737 462.50
LOCATION L0031496     VOLUME   461544.394 3777447.684 462.59
LOCATION L0031497     VOLUME   461540.921 3777448.631 462.70
LOCATION L0031498     VOLUME   461537.448 3777449.579 462.81
LOCATION L0031499     VOLUME   461533.975 3777450.526 462.90
LOCATION L0031500     VOLUME   461530.502 3777451.473 462.99
LOCATION L0031501     VOLUME   461527.029 3777452.420 463.07
LOCATION L0031502     VOLUME   461523.519 3777453.120 463.14
LOCATION L0031503     VOLUME   461519.920 3777453.200 463.18
LOCATION L0031504     VOLUME   461516.321 3777453.280 463.24
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   LOCATION L0031505     VOLUME   461512.722 3777453.360 463.30
   LOCATION L0031506     VOLUME   461509.123 3777453.440 463.36
   LOCATION L0031507     VOLUME   461505.524 3777453.520 463.42
   LOCATION L0031508     VOLUME   461501.925 3777453.600 463.48
   LOCATION L0031509     VOLUME   461498.326 3777453.680 463.54
   LOCATION L0031510     VOLUME   461494.727 3777453.760 463.59
   LOCATION L0031511     VOLUME   461491.127 3777453.840 463.66
   LOCATION L0031512     VOLUME   461487.528 3777453.920 463.74
   LOCATION L0031513     VOLUME   461483.929 3777454.000 463.81
   LOCATION L0031514     VOLUME   461480.330 3777454.080 463.88
   LOCATION L0031515     VOLUME   461476.731 3777454.160 463.95
   LOCATION L0031516     VOLUME   461473.132 3777454.240 464.02
   LOCATION L0031517     VOLUME   461469.533 3777454.320 464.09
   LOCATION L0031518     VOLUME   461465.934 3777454.400 464.21
   LOCATION L0031519     VOLUME   461462.335 3777454.480 464.34
   LOCATION L0031520     VOLUME   461458.735 3777454.560 464.47
   LOCATION L0031521     VOLUME   461455.136 3777454.640 464.60
   LOCATION L0031522     VOLUME   461451.537 3777454.720 464.73
   LOCATION L0031523     VOLUME   461447.938 3777454.800 464.86
   LOCATION L0031524     VOLUME   461444.339 3777454.880 464.99
   LOCATION L0031525     VOLUME   461440.740 3777454.960 465.12
   LOCATION L0031526     VOLUME   461437.141 3777455.040 465.24
   LOCATION L0031527     VOLUME   461433.542 3777455.120 465.37
   LOCATION L0031528     VOLUME   461429.943 3777455.200 465.50
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC SR-210 EB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 4.41E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461014.386, 3777335.725, 462.46, 3.70, 1.67
** 461077.101, 3777329.085, 461.65, 3.70, 1.67
** 461142.029, 3777318.755, 461.18, 3.70, 1.67
** 461191.463, 3777303.999, 460.63, 3.70, 1.67
** 461257.867, 3777278.913, 461.05, 3.70, 1.67
** 461299.185, 3777269.321, 461.54, 3.70, 1.67
** 461358.949, 3777264.156, 461.88, 3.70, 1.67
** 461407.524, 3777263.337, 462.74, 3.70, 1.67
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   LOCATION L0031529     VOLUME   460943.135 3777341.483 463.26
   LOCATION L0031530     VOLUME   460946.724 3777341.193 463.23
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LOCATION L0031531     VOLUME   460950.312 3777340.903 463.20
LOCATION L0031532     VOLUME   460953.900 3777340.613 463.17
LOCATION L0031533     VOLUME   460957.489 3777340.323 463.14
LOCATION L0031534     VOLUME   460961.077 3777340.033 463.10
LOCATION L0031535     VOLUME   460964.665 3777339.743 463.07
LOCATION L0031536     VOLUME   460968.254 3777339.453 463.04
LOCATION L0031537     VOLUME   460971.842 3777339.163 463.00
LOCATION L0031538     VOLUME   460975.430 3777338.873 462.97
LOCATION L0031539     VOLUME   460979.018 3777338.583 462.94
LOCATION L0031540     VOLUME   460982.607 3777338.293 462.91
LOCATION L0031541     VOLUME   460986.195 3777338.003 462.87
LOCATION L0031542     VOLUME   460989.783 3777337.713 462.83
LOCATION L0031543     VOLUME   460993.372 3777337.423 462.80
LOCATION L0031544     VOLUME   460996.960 3777337.133 462.76
LOCATION L0031545     VOLUME   461000.548 3777336.843 462.72
LOCATION L0031546     VOLUME   461004.137 3777336.553 462.69
LOCATION L0031547     VOLUME   461007.725 3777336.263 462.65
LOCATION L0031548     VOLUME   461011.313 3777335.973 462.61
LOCATION L0031549     VOLUME   461014.900 3777335.670 462.57
LOCATION L0031550     VOLUME   461018.480 3777335.291 462.53
LOCATION L0031551     VOLUME   461022.060 3777334.912 462.50
LOCATION L0031552     VOLUME   461025.640 3777334.533 462.46
LOCATION L0031553     VOLUME   461029.220 3777334.154 462.42
LOCATION L0031554     VOLUME   461032.800 3777333.775 462.38
LOCATION L0031555     VOLUME   461036.380 3777333.396 462.34
LOCATION L0031556     VOLUME   461039.960 3777333.017 462.30
LOCATION L0031557     VOLUME   461043.540 3777332.638 462.26
LOCATION L0031558     VOLUME   461047.120 3777332.259 462.22
LOCATION L0031559     VOLUME   461050.700 3777331.880 462.18
LOCATION L0031560     VOLUME   461054.280 3777331.501 462.14
LOCATION L0031561     VOLUME   461057.860 3777331.122 462.10
LOCATION L0031562     VOLUME   461061.440 3777330.743 462.05
LOCATION L0031563     VOLUME   461065.020 3777330.364 462.00
LOCATION L0031564     VOLUME   461068.600 3777329.985 461.96
LOCATION L0031565     VOLUME   461072.180 3777329.606 461.91
LOCATION L0031566     VOLUME   461075.760 3777329.226 461.86
LOCATION L0031567     VOLUME   461079.325 3777328.731 461.81
LOCATION L0031568     VOLUME   461082.880 3777328.165 461.77
LOCATION L0031569     VOLUME   461086.435 3777327.599 461.72
LOCATION L0031570     VOLUME   461089.990 3777327.034 461.68
LOCATION L0031571     VOLUME   461093.546 3777326.468 461.63
LOCATION L0031572     VOLUME   461097.101 3777325.903 461.58
LOCATION L0031573     VOLUME   461100.656 3777325.337 461.53
LOCATION L0031574     VOLUME   461104.212 3777324.771 461.48
LOCATION L0031575     VOLUME   461107.767 3777324.206 461.43
LOCATION L0031576     VOLUME   461111.322 3777323.640 461.38
LOCATION L0031577     VOLUME   461114.877 3777323.075 461.32
LOCATION L0031578     VOLUME   461118.433 3777322.509 461.27
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LOCATION L0031579     VOLUME   461121.988 3777321.943 461.22
LOCATION L0031580     VOLUME   461125.543 3777321.378 461.16
LOCATION L0031581     VOLUME   461129.099 3777320.812 461.11
LOCATION L0031582     VOLUME   461132.654 3777320.247 461.05
LOCATION L0031583     VOLUME   461136.209 3777319.681 461.00
LOCATION L0031584     VOLUME   461139.765 3777319.115 460.95
LOCATION L0031585     VOLUME   461143.281 3777318.381 460.90
LOCATION L0031586     VOLUME   461146.731 3777317.351 460.86
LOCATION L0031587     VOLUME   461150.181 3777316.322 460.82
LOCATION L0031588     VOLUME   461153.630 3777315.292 460.78
LOCATION L0031589     VOLUME   461157.080 3777314.262 460.74
LOCATION L0031590     VOLUME   461160.529 3777313.233 460.69
LOCATION L0031591     VOLUME   461163.979 3777312.203 460.68
LOCATION L0031592     VOLUME   461167.429 3777311.173 460.71
LOCATION L0031593     VOLUME   461170.878 3777310.143 460.74
LOCATION L0031594     VOLUME   461174.328 3777309.114 460.76
LOCATION L0031595     VOLUME   461177.777 3777308.084 460.78
LOCATION L0031596     VOLUME   461181.227 3777307.054 460.80
LOCATION L0031597     VOLUME   461184.676 3777306.024 460.81
LOCATION L0031598     VOLUME   461188.126 3777304.995 460.83
LOCATION L0031599     VOLUME   461191.573 3777303.957 460.85
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LOCATION L0031601     VOLUME   461198.308 3777301.413 460.90
LOCATION L0031602     VOLUME   461201.676 3777300.140 460.92
LOCATION L0031603     VOLUME   461205.044 3777298.868 460.93
LOCATION L0031604     VOLUME   461208.411 3777297.596 460.94
LOCATION L0031605     VOLUME   461211.779 3777296.324 460.95
LOCATION L0031606     VOLUME   461215.147 3777295.051 460.97
LOCATION L0031607     VOLUME   461218.515 3777293.779 460.98
LOCATION L0031608     VOLUME   461221.882 3777292.507 460.99
LOCATION L0031609     VOLUME   461225.250 3777291.235 460.99
LOCATION L0031610     VOLUME   461228.618 3777289.962 461.00
LOCATION L0031611     VOLUME   461231.985 3777288.690 461.00
LOCATION L0031612     VOLUME   461235.353 3777287.418 461.01
LOCATION L0031613     VOLUME   461238.721 3777286.146 461.02
LOCATION L0031614     VOLUME   461242.088 3777284.873 461.04
LOCATION L0031615     VOLUME   461245.456 3777283.601 461.06
LOCATION L0031616     VOLUME   461248.824 3777282.329 461.09
LOCATION L0031617     VOLUME   461252.192 3777281.057 461.11
LOCATION L0031618     VOLUME   461255.559 3777279.784 461.13
LOCATION L0031619     VOLUME   461258.971 3777278.656 461.14
LOCATION L0031620     VOLUME   461262.477 3777277.842 461.13
LOCATION L0031621     VOLUME   461265.984 3777277.028 461.16
LOCATION L0031622     VOLUME   461269.491 3777276.214 461.18
LOCATION L0031623     VOLUME   461272.998 3777275.400 461.21
LOCATION L0031624     VOLUME   461276.504 3777274.586 461.23
LOCATION L0031625     VOLUME   461280.011 3777273.772 461.25
LOCATION L0031626     VOLUME   461283.518 3777272.958 461.27
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   LOCATION L0031627     VOLUME   461287.025 3777272.144 461.29
   LOCATION L0031628     VOLUME   461290.531 3777271.330 461.31
   LOCATION L0031629     VOLUME   461294.038 3777270.516 461.34
   LOCATION L0031630     VOLUME   461297.545 3777269.702 461.36
   LOCATION L0031631     VOLUME   461301.094 3777269.156 461.38
   LOCATION L0031632     VOLUME   461304.681 3777268.846 461.39
   LOCATION L0031633     VOLUME   461308.268 3777268.536 461.39
   LOCATION L0031634     VOLUME   461311.854 3777268.226 461.40
   LOCATION L0031635     VOLUME   461315.441 3777267.916 461.41
   LOCATION L0031636     VOLUME   461319.027 3777267.606 461.42
   LOCATION L0031637     VOLUME   461322.614 3777267.296 461.43
   LOCATION L0031638     VOLUME   461326.201 3777266.986 461.44
   LOCATION L0031639     VOLUME   461329.787 3777266.676 461.45
   LOCATION L0031640     VOLUME   461333.374 3777266.366 461.46
   LOCATION L0031641     VOLUME   461336.961 3777266.056 461.47
   LOCATION L0031642     VOLUME   461340.547 3777265.746 461.49
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   LOCATION L0031645     VOLUME   461351.307 3777264.817 461.62
   LOCATION L0031646     VOLUME   461354.894 3777264.507 461.66
   LOCATION L0031647     VOLUME   461358.480 3777264.197 461.70
   LOCATION L0031648     VOLUME   461362.078 3777264.103 461.74
   LOCATION L0031649     VOLUME   461365.678 3777264.043 461.78
   LOCATION L0031650     VOLUME   461369.277 3777263.982 461.88
   LOCATION L0031651     VOLUME   461372.877 3777263.921 461.98
   LOCATION L0031652     VOLUME   461376.476 3777263.860 462.09
   LOCATION L0031653     VOLUME   461380.076 3777263.800 462.19
   LOCATION L0031654     VOLUME   461383.675 3777263.739 462.29
   LOCATION L0031655     VOLUME   461387.275 3777263.678 462.39
   LOCATION L0031656     VOLUME   461390.874 3777263.618 462.49
   LOCATION L0031657     VOLUME   461394.474 3777263.557 462.55
   LOCATION L0031658     VOLUME   461398.073 3777263.496 462.61
   LOCATION L0031659     VOLUME   461401.673 3777263.436 462.66
   LOCATION L0031660     VOLUME   461405.272 3777263.375 462.72
** End of LINE VOLUME Source ID = SLINE11
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Alder Ave - between SR-210 EB & WB Off-Ramps - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.81E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
** 461428.280, 3777455.333, 465.43, 3.70, 1.67
** 461415.786, 3777452.432, 465.79, 3.70, 1.67
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** 461409.316, 3777440.831, 465.63, 3.70, 1.67
** 461408.099, 3777262.651, 462.73, 3.70, 1.67
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   LOCATION L0031661     VOLUME   461426.526 3777454.926 465.62
   LOCATION L0031662     VOLUME   461423.019 3777454.112 465.74
   LOCATION L0031663     VOLUME   461419.513 3777453.298 465.85
   LOCATION L0031664     VOLUME   461416.006 3777452.483 465.91
   LOCATION L0031665     VOLUME   461414.143 3777449.485 465.85
   LOCATION L0031666     VOLUME   461412.389 3777446.341 465.79
   LOCATION L0031667     VOLUME   461410.636 3777443.197 465.74
   LOCATION L0031668     VOLUME   461409.310 3777439.940 465.70
   LOCATION L0031669     VOLUME   461409.286 3777436.340 465.68
   LOCATION L0031670     VOLUME   461409.261 3777432.740 465.59
   LOCATION L0031671     VOLUME   461409.236 3777429.141 465.44
   LOCATION L0031672     VOLUME   461409.212 3777425.541 465.28
   LOCATION L0031673     VOLUME   461409.187 3777421.941 465.13
   LOCATION L0031674     VOLUME   461409.163 3777418.341 464.98
   LOCATION L0031675     VOLUME   461409.138 3777414.741 464.82
   LOCATION L0031676     VOLUME   461409.113 3777411.141 464.67
   LOCATION L0031677     VOLUME   461409.089 3777407.541 464.52
   LOCATION L0031678     VOLUME   461409.064 3777403.941 464.36
   LOCATION L0031679     VOLUME   461409.040 3777400.341 463.72
   LOCATION L0031680     VOLUME   461409.015 3777396.741 463.08
   LOCATION L0031681     VOLUME   461408.990 3777393.141 462.44
   LOCATION L0031682     VOLUME   461408.966 3777389.541 461.80
   LOCATION L0031683     VOLUME   461408.941 3777385.942 461.16
   LOCATION L0031684     VOLUME   461408.917 3777382.342 460.52
   LOCATION L0031685     VOLUME   461408.892 3777378.742 459.88
   LOCATION L0031686     VOLUME   461408.867 3777375.142 459.24
   LOCATION L0031687     VOLUME   461408.843 3777371.542 458.81
   LOCATION L0031688     VOLUME   461408.818 3777367.942 458.64
   LOCATION L0031689     VOLUME   461408.794 3777364.342 458.47
   LOCATION L0031690     VOLUME   461408.769 3777360.742 458.30
   LOCATION L0031691     VOLUME   461408.744 3777357.142 458.13
   LOCATION L0031692     VOLUME   461408.720 3777353.542 457.96
   LOCATION L0031693     VOLUME   461408.695 3777349.942 457.79
   LOCATION L0031694     VOLUME   461408.671 3777346.342 457.61
   LOCATION L0031695     VOLUME   461408.646 3777342.743 457.44
   LOCATION L0031696     VOLUME   461408.621 3777339.143 457.80
   LOCATION L0031697     VOLUME   461408.597 3777335.543 458.22
   LOCATION L0031698     VOLUME   461408.572 3777331.943 458.63
   LOCATION L0031699     VOLUME   461408.548 3777328.343 459.05
   LOCATION L0031700     VOLUME   461408.523 3777324.743 459.46
   LOCATION L0031701     VOLUME   461408.498 3777321.143 459.88
   LOCATION L0031702     VOLUME   461408.474 3777317.543 460.30
   LOCATION L0031703     VOLUME   461408.449 3777313.943 460.71
   LOCATION L0031704     VOLUME   461408.425 3777310.343 461.07
   LOCATION L0031705     VOLUME   461408.400 3777306.743 461.30
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   LOCATION L0031706     VOLUME   461408.375 3777303.143 461.54
   LOCATION L0031707     VOLUME   461408.351 3777299.544 461.77
   LOCATION L0031708     VOLUME   461408.326 3777295.944 462.01
   LOCATION L0031709     VOLUME   461408.302 3777292.344 462.24
   LOCATION L0031710     VOLUME   461408.277 3777288.744 462.48
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   LOCATION L0031712     VOLUME   461408.228 3777281.544 462.95
   LOCATION L0031713     VOLUME   461408.203 3777277.944 462.96
   LOCATION L0031714     VOLUME   461408.179 3777274.344 462.91
   LOCATION L0031715     VOLUME   461408.154 3777270.744 462.86
   LOCATION L0031716     VOLUME   461408.129 3777267.144 462.82
   LOCATION L0031717     VOLUME   461408.105 3777263.544 462.77
** End of LINE VOLUME Source ID = SLINE12
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC SR-210 EB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 5.22E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
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** 461487.598, 3777263.217, 460.49, 3.70, 1.67
** 461544.404, 3777267.360, 459.29, 3.70, 1.67
** 461627.246, 3777292.804, 457.46, 3.70, 1.67
** 461722.515, 3777317.657, 455.41, 3.70, 1.67
** 461788.789, 3777326.533, 454.78, 3.70, 1.67
** 461832.578, 3777330.083, 454.68, 3.70, 1.67
** 461918.970, 3777330.675, 454.04, 3.70, 1.67
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   LOCATION L0031718     VOLUME   461422.276 3777262.981 462.70
   LOCATION L0031719     VOLUME   461425.876 3777262.994 462.57
   LOCATION L0031720     VOLUME   461429.476 3777263.007 462.45
   LOCATION L0031721     VOLUME   461433.076 3777263.020 462.33
   LOCATION L0031722     VOLUME   461436.676 3777263.033 462.20
   LOCATION L0031723     VOLUME   461440.276 3777263.046 462.08
   LOCATION L0031724     VOLUME   461443.876 3777263.059 461.94
   LOCATION L0031725     VOLUME   461447.476 3777263.072 461.80
   LOCATION L0031726     VOLUME   461451.076 3777263.085 461.66
   LOCATION L0031727     VOLUME   461454.676 3777263.098 461.52
   LOCATION L0031728     VOLUME   461458.276 3777263.111 461.38
   LOCATION L0031729     VOLUME   461461.876 3777263.124 461.24
   LOCATION L0031730     VOLUME   461465.476 3777263.137 461.10
   LOCATION L0031731     VOLUME   461469.076 3777263.150 460.99
   LOCATION L0031732     VOLUME   461472.676 3777263.163 460.93
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LOCATION	L0031733	VOLUME	461476.276	3777263.176	460.86
LOCATION	L0031734	VOLUME	461479.876	3777263.189	460.79
LOCATION	L0031735	VOLUME	461483.476	3777263.202	460.73
LOCATION	L0031736	VOLUME	461487.076	3777263.216	460.66
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LOCATION	L0031738	VOLUME	461494.258	3777263.703	460.50
LOCATION	L0031739	VOLUME	461497.849	3777263.965	460.43
LOCATION	L0031740	VOLUME	461501.439	3777264.227	460.35
LOCATION	L0031741	VOLUME	461505.030	3777264.488	460.27
LOCATION	L0031742	VOLUME	461508.620	3777264.750	460.19
LOCATION	L0031743	VOLUME	461512.211	3777265.012	460.11
LOCATION	L0031744	VOLUME	461515.801	3777265.274	460.04
LOCATION	L0031745	VOLUME	461519.392	3777265.536	459.96
LOCATION	L0031746	VOLUME	461522.982	3777265.798	459.89
LOCATION	L0031747	VOLUME	461526.572	3777266.059	459.82
LOCATION	L0031748	VOLUME	461530.163	3777266.321	459.75
LOCATION	L0031749	VOLUME	461533.753	3777266.583	459.67
LOCATION	L0031750	VOLUME	461537.344	3777266.845	459.60
LOCATION	L0031751	VOLUME	461540.934	3777267.107	459.53
LOCATION	L0031752	VOLUME	461544.520	3777267.395	459.46
LOCATION	L0031753	VOLUME	461547.961	3777268.452	459.37
LOCATION	L0031754	VOLUME	461551.402	3777269.509	459.27
LOCATION	L0031755	VOLUME	461554.844	3777270.566	459.17
LOCATION	L0031756	VOLUME	461558.285	3777271.623	459.08
LOCATION	L0031757	VOLUME	461561.726	3777272.680	458.98
LOCATION	L0031758	VOLUME	461565.168	3777273.737	458.88
LOCATION	L0031759	VOLUME	461568.609	3777274.794	458.78
LOCATION	L0031760	VOLUME	461572.050	3777275.851	458.68
LOCATION	L0031761	VOLUME	461575.492	3777276.908	458.58
LOCATION	L0031762	VOLUME	461578.933	3777277.965	458.47
LOCATION	L0031763	VOLUME	461582.375	3777279.022	458.37
LOCATION	L0031764	VOLUME	461585.816	3777280.079	458.26
LOCATION	L0031765	VOLUME	461589.257	3777281.136	458.14
LOCATION	L0031766	VOLUME	461592.699	3777282.193	458.03
LOCATION	L0031767	VOLUME	461596.140	3777283.250	457.92
LOCATION	L0031768	VOLUME	461599.581	3777284.307	457.82
LOCATION	L0031769	VOLUME	461603.023	3777285.364	457.71
LOCATION	L0031770	VOLUME	461606.464	3777286.421	457.61
LOCATION	L0031771	VOLUME	461609.905	3777287.478	457.51
LOCATION	L0031772	VOLUME	461613.347	3777288.535	457.41
LOCATION	L0031773	VOLUME	461616.788	3777289.592	457.31
LOCATION	L0031774	VOLUME	461620.229	3777290.649	457.21
LOCATION	L0031775	VOLUME	461623.671	3777291.706	457.14
LOCATION	L0031776	VOLUME	461627.112	3777292.763	457.08
LOCATION	L0031777	VOLUME	461630.594	3777293.677	457.03
LOCATION	L0031778	VOLUME	461634.077	3777294.586	456.97
LOCATION	L0031779	VOLUME	461637.560	3777295.495	456.91
LOCATION	L0031780	VOLUME	461641.044	3777296.403	456.84

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LOCATION L0031781     VOLUME   461644.527 3777297.312 456.77
LOCATION L0031782     VOLUME   461648.011 3777298.221 456.71
LOCATION L0031783     VOLUME   461651.494 3777299.130 456.64
LOCATION L0031784     VOLUME   461654.978 3777300.038 456.57
LOCATION L0031785     VOLUME   461658.461 3777300.947 456.50
LOCATION L0031786     VOLUME   461661.944 3777301.856 456.41
LOCATION L0031787     VOLUME   461665.428 3777302.764 456.32
LOCATION L0031788     VOLUME   461668.911 3777303.673 456.22
LOCATION L0031789     VOLUME   461672.395 3777304.582 456.12
LOCATION L0031790     VOLUME   461675.878 3777305.491 456.02
LOCATION L0031791     VOLUME   461679.362 3777306.399 455.91
LOCATION L0031792     VOLUME   461682.845 3777307.308 455.80
LOCATION L0031793     VOLUME   461686.328 3777308.217 455.68
LOCATION L0031794     VOLUME   461689.812 3777309.125 455.56
LOCATION L0031795     VOLUME   461693.295 3777310.034 455.42
LOCATION L0031796     VOLUME   461696.779 3777310.943 455.35
LOCATION L0031797     VOLUME   461700.262 3777311.852 455.32
LOCATION L0031798     VOLUME   461703.746 3777312.760 455.31
LOCATION L0031799     VOLUME   461707.229 3777313.669 455.29
LOCATION L0031800     VOLUME   461710.712 3777314.578 455.28
LOCATION L0031801     VOLUME   461714.196 3777315.486 455.26
LOCATION L0031802     VOLUME   461717.679 3777316.395 455.24
LOCATION L0031803     VOLUME   461721.163 3777317.304 455.22
LOCATION L0031804     VOLUME   461724.698 3777317.949 455.21
LOCATION L0031805     VOLUME   461728.266 3777318.427 455.20
LOCATION L0031806     VOLUME   461731.834 3777318.905 455.18
LOCATION L0031807     VOLUME   461735.402 3777319.383 455.17
LOCATION L0031808     VOLUME   461738.970 3777319.861 455.16
LOCATION L0031809     VOLUME   461742.539 3777320.338 455.15
LOCATION L0031810     VOLUME   461746.107 3777320.816 455.13
LOCATION L0031811     VOLUME   461749.675 3777321.294 455.12
LOCATION L0031812     VOLUME   461753.243 3777321.772 455.10
LOCATION L0031813     VOLUME   461756.811 3777322.250 455.09
LOCATION L0031814     VOLUME   461760.379 3777322.728 455.07
LOCATION L0031815     VOLUME   461763.947 3777323.206 455.06
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LOCATION L0031817     VOLUME   461771.084 3777324.161 455.02
LOCATION L0031818     VOLUME   461774.652 3777324.639 455.00
LOCATION L0031819     VOLUME   461778.220 3777325.117 455.01
LOCATION L0031820     VOLUME   461781.788 3777325.595 455.01
LOCATION L0031821     VOLUME   461785.356 3777326.073 455.01
LOCATION L0031822     VOLUME   461788.925 3777326.544 455.02
LOCATION L0031823     VOLUME   461792.513 3777326.835 455.02
LOCATION L0031824     VOLUME   461796.102 3777327.126 455.02
LOCATION L0031825     VOLUME   461799.690 3777327.417 455.02
LOCATION L0031826     VOLUME   461803.278 3777327.708 455.03
LOCATION L0031827     VOLUME   461806.866 3777327.998 455.04
LOCATION L0031828     VOLUME   461810.455 3777328.289 455.05
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   LOCATION L0031833     VOLUME   461828.396 3777329.744 455.04
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   LOCATION L0031835     VOLUME   461835.582 3777330.104 455.00
   LOCATION L0031836     VOLUME   461839.182 3777330.128 454.99
   LOCATION L0031837     VOLUME   461842.782 3777330.153 454.98
   LOCATION L0031838     VOLUME   461846.382 3777330.178 454.97
   LOCATION L0031839     VOLUME   461849.982 3777330.202 454.97
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   LOCATION L0031842     VOLUME   461860.781 3777330.276 454.89
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   LOCATION L0031844     VOLUME   461867.981 3777330.326 454.84
   LOCATION L0031845     VOLUME   461871.581 3777330.350 454.81
   LOCATION L0031846     VOLUME   461875.181 3777330.375 454.78
   LOCATION L0031847     VOLUME   461878.781 3777330.400 454.75
   LOCATION L0031848     VOLUME   461882.381 3777330.424 454.72
   LOCATION L0031849     VOLUME   461885.981 3777330.449 454.69
   LOCATION L0031850     VOLUME   461889.581 3777330.474 454.66
   LOCATION L0031851     VOLUME   461893.180 3777330.498 454.63
   LOCATION L0031852     VOLUME   461896.780 3777330.523 454.60
   LOCATION L0031853     VOLUME   461900.380 3777330.548 454.57
   LOCATION L0031854     VOLUME   461903.980 3777330.572 454.54
   LOCATION L0031855     VOLUME   461907.580 3777330.597 454.51
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   LOCATION L0031857     VOLUME   461914.780 3777330.646 454.45
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** End of LINE VOLUME Source ID = SLINE13
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Alder Ave - between SR-210 EB and WB Off-Ramps - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.62E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
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   LOCATION L0031861     VOLUME   461420.699 3777274.301 462.89
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LOCATION L0031862     VOLUME   461420.699 3777277.901 462.93
LOCATION L0031863     VOLUME   461420.699 3777281.501 462.92
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LOCATION L0031865     VOLUME   461420.699 3777288.701 462.44
LOCATION L0031866     VOLUME   461420.699 3777292.301 462.20
LOCATION L0031867     VOLUME   461420.699 3777295.901 461.96
LOCATION L0031868     VOLUME   461420.699 3777299.501 461.72
LOCATION L0031869     VOLUME   461420.699 3777303.101 461.48
LOCATION L0031870     VOLUME   461420.699 3777306.701 461.24
LOCATION L0031871     VOLUME   461420.699 3777310.301 461.00
LOCATION L0031872     VOLUME   461420.699 3777313.901 460.65
LOCATION L0031873     VOLUME   461420.699 3777317.501 460.22
LOCATION L0031874     VOLUME   461420.699 3777321.101 459.80
LOCATION L0031875     VOLUME   461420.699 3777324.701 459.38
LOCATION L0031876     VOLUME   461420.699 3777328.301 458.96
LOCATION L0031877     VOLUME   461420.699 3777331.901 458.53
LOCATION L0031878     VOLUME   461420.699 3777335.501 458.11
LOCATION L0031879     VOLUME   461420.699 3777339.101 457.69
LOCATION L0031880     VOLUME   461420.699 3777342.701 457.33
LOCATION L0031881     VOLUME   461420.699 3777346.301 457.51
LOCATION L0031882     VOLUME   461420.699 3777349.901 457.69
LOCATION L0031883     VOLUME   461420.699 3777353.501 457.87
LOCATION L0031884     VOLUME   461420.699 3777357.101 458.05
LOCATION L0031885     VOLUME   461420.699 3777360.701 458.23
LOCATION L0031886     VOLUME   461420.699 3777364.301 458.41
LOCATION L0031887     VOLUME   461420.699 3777367.901 458.60
LOCATION L0031888     VOLUME   461420.699 3777371.501 458.78
LOCATION L0031889     VOLUME   461420.699 3777375.101 459.22
LOCATION L0031890     VOLUME   461420.699 3777378.701 459.87
LOCATION L0031891     VOLUME   461420.699 3777382.301 460.53
LOCATION L0031892     VOLUME   461420.699 3777385.901 461.18
LOCATION L0031893     VOLUME   461420.699 3777389.501 461.84
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LOCATION L0031895     VOLUME   461420.699 3777396.701 463.15
LOCATION L0031896     VOLUME   461420.699 3777400.301 463.80
LOCATION L0031897     VOLUME   461420.699 3777403.901 464.46
LOCATION L0031898     VOLUME   461420.699 3777407.501 464.61
LOCATION L0031899     VOLUME   461420.699 3777411.101 464.76
LOCATION L0031900     VOLUME   461420.699 3777414.701 464.90
LOCATION L0031901     VOLUME   461420.699 3777418.301 465.05
LOCATION L0031902     VOLUME   461420.699 3777421.901 465.19
LOCATION L0031903     VOLUME   461420.699 3777425.501 465.34
LOCATION L0031904     VOLUME   461420.699 3777429.101 465.48
LOCATION L0031905     VOLUME   461420.699 3777432.701 465.62
LOCATION L0031906     VOLUME   461420.699 3777436.301 465.71
LOCATION L0031907     VOLUME   461420.699 3777439.901 465.74
LOCATION L0031908     VOLUME   461420.699 3777443.501 465.76
LOCATION L0031909     VOLUME   461420.699 3777447.101 465.78
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** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC SR-210 WB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 5.27E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
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   LOCATION L0031914     VOLUME   461386.636 3777456.083 465.25
   LOCATION L0031915     VOLUME   461383.036 3777456.070 465.17
   LOCATION L0031916     VOLUME   461379.436 3777456.058 465.10
   LOCATION L0031917     VOLUME   461375.836 3777456.045 465.02
   LOCATION L0031918     VOLUME   461372.236 3777456.032 464.94
   LOCATION L0031919     VOLUME   461368.636 3777456.020 464.86
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   LOCATION L0031922     VOLUME   461357.847 3777455.700 464.76
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   LOCATION L0031926     VOLUME   461343.480 3777454.725 464.65
   LOCATION L0031927     VOLUME   461339.888 3777454.481 464.62
   LOCATION L0031928     VOLUME   461336.296 3777454.238 464.61
   LOCATION L0031929     VOLUME   461332.704 3777453.994 464.59
   LOCATION L0031930     VOLUME   461329.113 3777453.750 464.57
   LOCATION L0031931     VOLUME   461325.521 3777453.506 464.55
   LOCATION L0031932     VOLUME   461321.929 3777453.263 464.53
   LOCATION L0031933     VOLUME   461318.337 3777453.019 464.51
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LOCATION L0031941     VOLUME   461290.018 3777447.937 464.34
LOCATION L0031942     VOLUME   461286.486 3777447.239 464.33
LOCATION L0031943     VOLUME   461282.954 3777446.541 464.31
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LOCATION L0031946     VOLUME   461272.611 3777443.454 464.18
LOCATION L0031947     VOLUME   461269.174 3777442.383 464.12
LOCATION L0031948     VOLUME   461265.737 3777441.312 464.06
LOCATION L0031949     VOLUME   461262.300 3777440.241 464.00
LOCATION L0031950     VOLUME   461258.863 3777439.169 463.97
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LOCATION L0031953     VOLUME   461248.553 3777435.956 463.88
LOCATION L0031954     VOLUME   461245.116 3777434.884 463.84
LOCATION L0031955     VOLUME   461241.679 3777433.813 463.80
LOCATION L0031956     VOLUME   461238.242 3777432.742 463.76
LOCATION L0031957     VOLUME   461234.805 3777431.671 463.74
LOCATION L0031958     VOLUME   461231.368 3777430.599 463.72
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LOCATION L0031960     VOLUME   461224.494 3777428.457 463.67
LOCATION L0031961     VOLUME   461221.045 3777427.425 463.65
LOCATION L0031962     VOLUME   461217.590 3777426.413 463.62
LOCATION L0031963     VOLUME   461214.136 3777425.402 463.59
LOCATION L0031964     VOLUME   461210.681 3777424.390 463.55
LOCATION L0031965     VOLUME   461207.226 3777423.378 463.52
LOCATION L0031966     VOLUME   461203.771 3777422.366 463.49
LOCATION L0031967     VOLUME   461200.316 3777421.355 463.46
LOCATION L0031968     VOLUME   461196.861 3777420.343 463.43
LOCATION L0031969     VOLUME   461193.406 3777419.331 463.39
LOCATION L0031970     VOLUME   461189.951 3777418.319 463.36
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LOCATION L0031972     VOLUME   461183.042 3777416.296 463.29
LOCATION L0031973     VOLUME   461179.587 3777415.284 463.26
LOCATION L0031974     VOLUME   461176.132 3777414.272 463.23
LOCATION L0031975     VOLUME   461172.677 3777413.260 463.21
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LOCATION L0031977     VOLUME   461165.662 3777411.670 463.21
LOCATION L0031978     VOLUME   461162.127 3777410.990 463.22
LOCATION L0031979     VOLUME   461158.592 3777410.311 463.21
LOCATION L0031980     VOLUME   461155.056 3777409.632 463.19
LOCATION L0031981     VOLUME   461151.521 3777408.953 463.17
LOCATION L0031982     VOLUME   461147.986 3777408.274 463.16
LOCATION L0031983     VOLUME   461144.450 3777407.594 463.14
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LOCATION L0031988     VOLUME   461126.774 3777404.198 463.17
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LOCATION L0032007     VOLUME   461059.295 3777393.172 464.02
LOCATION L0032008     VOLUME   461055.727 3777392.689 464.04
LOCATION L0032009     VOLUME   461052.160 3777392.207 464.06
LOCATION L0032010     VOLUME   461048.569 3777392.018 464.10
LOCATION L0032011     VOLUME   461044.970 3777391.937 464.16
LOCATION L0032012     VOLUME   461041.371 3777391.857 464.22
LOCATION L0032013     VOLUME   461037.772 3777391.776 464.28
LOCATION L0032014     VOLUME   461034.173 3777391.695 464.34
LOCATION L0032015     VOLUME   461030.574 3777391.614 464.39
LOCATION L0032016     VOLUME   461026.975 3777391.534 464.42
LOCATION L0032017     VOLUME   461023.375 3777391.453 464.46
LOCATION L0032018     VOLUME   461019.776 3777391.372 464.50
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LOCATION L0032021     VOLUME   461008.979 3777391.130 464.62
LOCATION L0032022     VOLUME   461005.380 3777391.049 464.65
LOCATION L0032023     VOLUME   461001.781 3777390.968 464.67
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LOCATION L0032026     VOLUME   460990.984 3777390.726 464.74
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LOCATION L0032028     VOLUME   460983.785 3777390.564 464.78
LOCATION L0032029     VOLUME   460980.186 3777390.483 464.80
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LOCATION L0032031     VOLUME   460972.988 3777390.322 464.82
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   LOCATION L0032041     VOLUME   460936.997 3777389.514 464.98
   LOCATION L0032042     VOLUME   460933.398 3777389.433 465.00
   LOCATION L0032043     VOLUME   460929.799 3777389.353 465.02
   LOCATION L0032044     VOLUME   460926.200 3777389.272 465.05
   LOCATION L0032045     VOLUME   460922.601 3777389.191 465.07
   LOCATION L0032046     VOLUME   460919.002 3777389.110 465.10
   LOCATION L0032047     VOLUME   460915.403 3777389.029 465.13
   LOCATION L0032048     VOLUME   460911.804 3777388.949 465.16
   LOCATION L0032049     VOLUME   460908.204 3777388.868 465.19
   LOCATION L0032050     VOLUME   460904.605 3777388.787 465.21
   LOCATION L0032051     VOLUME   460901.006 3777388.706 465.24
** End of LINE VOLUME Source ID = SLINE15
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000145
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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   LOCATION L0032057     VOLUME   461407.912 3777242.296 462.43
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LOCATION L0032061     VOLUME   461408.116 3777227.898 462.13
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** Line Source Represented by Adjacent Volume Sources
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** DESCRSRC Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000144
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 12
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LOCATION L0032638     VOLUME   461419.767 3776731.351 451.73
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LOCATION L0032640     VOLUME   461419.711 3776724.151 451.58
LOCATION L0032641     VOLUME   461419.683 3776720.551 451.49
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - EB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000196
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 13
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** 461588.899, 3775682.382, 429.63, 3.70, 1.67
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LOCATION L0033545     VOLUME   463633.822 3775673.601 419.97
LOCATION L0033546     VOLUME   463637.422 3775673.607 419.93
LOCATION L0033547     VOLUME   463641.022 3775673.613 419.90
LOCATION L0033548     VOLUME   463644.622 3775673.619 419.87
LOCATION L0033549     VOLUME   463648.222 3775673.625 419.85
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LOCATION L0033581     VOLUME   463763.421 3775673.376 419.09
LOCATION L0033582     VOLUME   463767.021 3775673.364 419.07
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LOCATION L0033589     VOLUME   463792.221 3775673.280 418.87
LOCATION L0033590     VOLUME   463795.821 3775673.268 418.85
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LOCATION L0033620     VOLUME   463903.821 3775672.909 418.32
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LOCATION L0033627     VOLUME   463929.021 3775672.825 418.05
LOCATION L0033628     VOLUME   463932.621 3775672.814 418.01
LOCATION L0033629     VOLUME   463936.221 3775672.802 417.96
LOCATION L0033630     VOLUME   463939.821 3775672.790 417.92
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LOCATION L0033632     VOLUME   463947.020 3775672.766 417.85
LOCATION L0033633     VOLUME   463950.620 3775672.754 417.83
LOCATION L0033634     VOLUME   463954.220 3775672.742 417.82
LOCATION L0033635     VOLUME   463957.820 3775672.730 417.80
LOCATION L0033636     VOLUME   463961.420 3775672.718 417.79
LOCATION L0033637     VOLUME   463965.020 3775672.706 417.77
LOCATION L0033638     VOLUME   463968.620 3775672.694 417.76
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   LOCATION L0033648     VOLUME   464004.620 3775672.574 417.63
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   LOCATION L0033659     VOLUME   464042.829 3775673.870 417.51
   LOCATION L0033660     VOLUME   464042.908 3775677.469 417.63
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** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - WB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000194
** Vertical Dimension = 6.22
** SZINIT = 2.89
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LOCATION L0033673     VOLUME   463999.203 3775681.261 417.85
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LOCATION L0034158     VOLUME   462253.239 3775690.073 427.35
LOCATION L0034159     VOLUME   462249.639 3775690.064 427.38
LOCATION L0034160     VOLUME   462246.039 3775690.055 427.41
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LOCATION	L0034379	VOLUME	461457.650	3775690.468	430.11
LOCATION	L0034380	VOLUME	461454.050	3775690.485	430.12
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LOCATION	L0034382	VOLUME	461446.850	3775690.519	430.16

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   LOCATION L0034384     VOLUME   461439.650 3775690.553 430.19
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   LOCATION L0034386     VOLUME   461432.450 3775690.587 430.20
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** Source Parameters **
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   SRCPARAM L0034462     0.00000004435      3.70      1.67      2.89
   SRCPARAM L0034463     0.00000004435      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0034464     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034465     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034466     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034467     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034468     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034469     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034470     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034471     0.00000006786      3.70      1.67      2.89
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SRCPARAM	L0034472	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034473	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034474	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034475	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034476	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034477	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034478	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034479	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034480	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034481	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034482	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034483	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034484	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034485	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034486	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034487	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034488	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034489	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034490	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034491	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034492	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034493	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034494	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034495	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034496	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034497	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034498	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034499	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034500	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034501	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034502	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034503	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034504	0.00000006786	3.70	1.67	2.89
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SRCPARAM	L0034506	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034507	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034508	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034509	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034510	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034511	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034512	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034513	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034514	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034515	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034516	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034517	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034518	0.00000006786	3.70	1.67	2.89
SRCPARAM	L0034519	0.00000006786	3.70	1.67	2.89

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   SRCPARAM L0034520     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034521     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034522     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034523     0.00000006786      3.70      1.67      2.89
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   SRCPARAM L0034525     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034526     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034527     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034528     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034529     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034530     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034531     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034532     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034533     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034534     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034535     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034536     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034537     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034538     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034539     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034540     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034541     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034542     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034543     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034544     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034545     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034546     0.00000006786      3.70      1.67      2.89
   SRCPARAM L0034547     0.00000006786      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0034548     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034549     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034550     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034551     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034552     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034553     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034554     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034555     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034556     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034557     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034558     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034559     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034560     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034561     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034562     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034563     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034564     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034565     0.00000008907      3.70      1.67 2.15813953E-06
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   SRCPARAM L0034566     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034567     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034568     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034569     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034570     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034571     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034572     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034573     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034574     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034575     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034576     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034577     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034578     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034579     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034580     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034581     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034582     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034583     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034584     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034585     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034586     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034587     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034588     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034589     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034590     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034591     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034592     0.00000008907      3.70      1.67 2.15813953E-06
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   SRCPARAM L0034595     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034596     0.00000008907      3.70      1.67 2.15813953E-06
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   SRCPARAM L0034598     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034599     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034600     0.00000008907      3.70      1.67 2.15813953E-06
   SRCPARAM L0034601     0.00000008907      3.70      1.67 2.15813953E-06
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** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0034602     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034603     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034604     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034605     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034606     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034607     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034608     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034609     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034610     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034611     0.0000001375      3.70      1.67      2.89
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SRCPARAM L0034612     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034613     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034614     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034615     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034616     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034617     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034618     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034619     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034620     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034621     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034622     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034623     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034624     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034625     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034626     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034627     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034628     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034629     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034630     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034631     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034632     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034633     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034634     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034635     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034636     0.0000001375      3.70      1.67      2.89
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SRCPARAM L0034638     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034639     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034640     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034641     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034642     0.0000001375      3.70      1.67      2.89
SRCPARAM L0034643     0.0000001375      3.70      1.67      2.89
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SRCPARAM L0034659     0.0000001375      3.70      1.67      2.89
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   SRCPARAM L0034664     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034665     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034666     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034667     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034668     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034669     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034670     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034671     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034672     0.0000001375      3.70      1.67      2.89
   SRCPARAM L0034673     0.0000001375      3.70      1.67      2.89
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   SRCPARAM L0031404     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031405     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031406     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031407     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031408     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031409     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031410     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031411     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031412     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031413     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031414     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031415     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031416     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031417     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031418     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031419     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031420     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031421     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031422     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031423     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031424     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031425     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031426     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031427     0.00000003341      3.70      1.67      2.89
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   SRCPARAM L0031429     0.00000003341      3.70      1.67      2.89
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   SRCPARAM L0031431     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031432     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031433     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031434     0.00000003341      3.70      1.67      2.89
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SRCPARAM L0031435     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031436     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031437     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031438     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031439     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031440     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031441     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031442     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031443     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031444     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031445     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031446     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031447     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031448     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031449     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031450     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031451     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031452     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031453     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031454     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031455     0.00000003341      3.70      1.67      2.89
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SRCPARAM L0031458     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031459     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031460     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031461     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031462     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031463     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031464     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031465     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031466     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031467     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031468     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031469     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031470     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031471     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031472     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031473     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031474     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031475     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031476     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031477     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031478     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031479     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031480     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031481     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031482     0.00000003341      3.70      1.67      2.89
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   SRCPARAM L0031483     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031484     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031485     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031486     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031487     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031488     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031489     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031490     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031491     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031492     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031493     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031494     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031495     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031496     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031497     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031498     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031499     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031500     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031501     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031502     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031503     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031504     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031505     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031506     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031507     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031508     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031509     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031510     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031511     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031512     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031513     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031514     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031515     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031516     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031517     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031518     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031519     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031520     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031521     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031522     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031523     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031524     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031525     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031526     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031527     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031528     0.00000003341      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE11
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SRCPARAM L0031529     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031530     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031531     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031532     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031533     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031534     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031535     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031536     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031537     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031538     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031539     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031540     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031541     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031542     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031543     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031544     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031545     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031546     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031547     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031548     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031549     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031550     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031551     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031552     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031553     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031554     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031555     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031556     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031557     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031558     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031559     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031560     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031561     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031562     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031563     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031564     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031565     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031566     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031567     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031568     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031569     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031570     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031571     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031572     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031573     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031574     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031575     0.00000003341      3.70      1.67      2.89
SRCPARAM L0031576     0.00000003341      3.70      1.67      2.89
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SRCPARAM	L0031577	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031578	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031579	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031580	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031581	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031582	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031583	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031584	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031585	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031586	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031587	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031588	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031589	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031590	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031591	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031592	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031593	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031594	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031595	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031596	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031597	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031598	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031599	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031600	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031601	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031602	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031603	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031604	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031605	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031606	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031607	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031608	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031609	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031610	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031611	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031612	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031613	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031614	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031615	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031616	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031617	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031618	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031619	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031620	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031621	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031622	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031623	0.00000003341	3.70	1.67	2.89
SRCPARAM	L0031624	0.00000003341	3.70	1.67	2.89

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   SRCPARAM L0031625     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031626     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031627     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031628     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031629     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031630     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031631     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031632     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031633     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031634     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031635     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031636     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031637     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031638     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031639     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031640     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031641     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031642     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031643     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031644     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031645     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031646     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031647     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031648     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031649     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031650     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031651     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031652     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031653     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031654     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031655     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031656     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031657     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031658     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031659     0.00000003341      3.70      1.67      2.89
   SRCPARAM L0031660     0.00000003341      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0031661     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031662     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031663     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031664     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031665     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031666     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031667     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031668     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031669     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031670     0.00000003175      3.70      1.67      2.89
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   SRCPARAM L0031671     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031672     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031673     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031674     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031675     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031676     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031677     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031678     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031679     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031680     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031681     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031682     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031683     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031684     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031685     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031686     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031687     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031688     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031689     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031690     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031691     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031692     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031693     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031694     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031695     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031696     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031697     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031698     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031699     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031700     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031701     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031702     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031703     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031704     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031705     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031706     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031707     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031708     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031709     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031710     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031711     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031712     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031713     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031714     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031715     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031716     0.00000003175      3.70      1.67      2.89
   SRCPARAM L0031717     0.00000003175      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE13
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   SRCPARAM L0031719     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031720     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031721     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031722     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031723     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031724     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031725     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031726     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031727     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031728     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031729     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031730     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031731     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031732     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031733     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031734     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031735     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031736     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031737     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031738     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031739     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031740     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031741     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031742     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031743     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031744     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031745     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031746     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031747     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031748     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031749     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031756     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031757     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031758     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031759     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031760     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031761     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031762     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031763     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031764     0.00000003702      3.70      1.67      2.89
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SRCPARAM L0031765     0.00000003702      3.70      1.67      2.89
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SRCPARAM L0031767     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031768     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031769     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031770     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031771     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031772     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031773     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031774     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031775     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031776     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031777     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031778     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031779     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031780     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031781     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031782     0.00000003702      3.70      1.67      2.89
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SRCPARAM L0031792     0.00000003702      3.70      1.67      2.89
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SRCPARAM L0031794     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031795     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031796     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031797     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031798     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031799     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031800     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031801     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031802     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031803     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031804     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031805     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031806     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031807     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031808     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031809     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031810     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031811     0.00000003702      3.70      1.67      2.89
SRCPARAM L0031812     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031815     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031816     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031818     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031819     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031820     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031821     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031822     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031823     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031825     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031826     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031827     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031828     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031829     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031830     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031831     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031832     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031833     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031835     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031836     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031837     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031838     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031839     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031840     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031841     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031842     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031843     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031844     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031845     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031846     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031847     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031848     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031849     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031850     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031851     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031852     0.00000003702      3.70      1.67      2.89
   SRCPARAM L0031853     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031855     0.00000003702      3.70      1.67      2.89
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   SRCPARAM L0031858     0.00000003702      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE14
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SRCPARAM L0031859     0.00000003176      3.70      1.67      2.89
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SRCPARAM L0031861     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031862     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031863     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031864     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031865     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031866     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031867     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031868     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031869     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031870     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031871     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031872     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031873     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031874     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031875     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031876     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031877     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031878     0.00000003176      3.70      1.67      2.89
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SRCPARAM L0031880     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031881     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031882     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031883     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031884     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031885     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031886     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031887     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031888     0.00000003176      3.70      1.67      2.89
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SRCPARAM L0031891     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031892     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031893     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031894     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031895     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031896     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031897     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031898     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031899     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031900     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031901     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031902     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031903     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031904     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031905     0.00000003176      3.70      1.67      2.89
SRCPARAM L0031906     0.00000003176      3.70      1.67      2.89
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   SRCPARAM L0031907     0.00000003176      3.70      1.67      2.89
   SRCPARAM L0031908     0.00000003176      3.70      1.67      2.89
   SRCPARAM L0031909     0.00000003176      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0031910     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031911     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031912     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031913     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031914     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031915     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031916     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031917     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031918     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031919     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031920     0.00000003711      3.70      1.67      2.89
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   SRCPARAM L0031922     0.00000003711      3.70      1.67      2.89
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   SRCPARAM L0031924     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031925     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031926     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031927     0.00000003711      3.70      1.67      2.89
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   SRCPARAM L0031930     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031931     0.00000003711      3.70      1.67      2.89
   SRCPARAM L0031932     0.00000003711      3.70      1.67      2.89
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   SRCPARAM L0031934     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0031989     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0031992     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0031998     0.00000003711      3.70      1.67      2.89
SRCPARAM L0031999     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032000     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032004     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032005     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032007     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032008     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032009     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032011     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032012     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032013     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032014     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032016     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032018     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032019     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032020     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032021     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032022     0.00000003711      3.70      1.67      2.89
SRCPARAM L0032023     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032026     0.00000003711      3.70      1.67      2.89
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SRCPARAM L0032029     0.00000003711      3.70      1.67      2.89
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   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
**************************************
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   INCLUDED "Olive Grove Warehouse_2010.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
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   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
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OU STARTING
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   RECTABLE 1 1ST
** Auto-Generated Plotfiles
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   PLOTFILE PERIOD ALL "OLIVE GROVE WAREHOUSE_2010.AD\PE00GALL.PLT" 32
   SUMMFILE "Olive Grove Warehouse_2010.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of           56 Warning Message(s)
 A Total of            0 Informational Message(s)
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******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
SO W320 3774 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3775 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3776 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3777 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3778 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3779 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3780 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3781 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3782 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3783 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3784 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3785 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3786 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3787 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3788 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3789 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3790 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3791 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3792 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3793 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3794 VPARM: Input Parameter May Be Out-of-Range for Parameter SZINIT
SO W320 3795 VPARM: Input Parameter May Be Out-of-Range for Parameter

SZINIT
SO W320 3796 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3797 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3798 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3799 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3800 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3801 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3802 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3803 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3804 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3805 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3806 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3807 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3808 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3809 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3810 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3811 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3812 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3813 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3814 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3815 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3816 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3817 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3818 VPARM: Input Parameter May Be Out-of-Range for Parameter
SZINIT
SO W320 3819 VPARM: Input Parameter May Be Out-of-Range for Parameter

```
   SZINIT
 SO W320    3820        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3821        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3822        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3823        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3824        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3825        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3826        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 SO W320    3827        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
 ME W186    6934       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    6934       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for  3271 Source(s),
```

```
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

 **This Run Includes:   3271 Source(s);       1 Source Group(s); and     610
Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:   3271 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)
```

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   4.9 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Olive Grove Warehouse_2010.err

 **File for Summary of Results: Olive Grove Warehouse_2010.sum

 *** AERMOD - VERSION 21112 ***   *** Olive Ave Operations - Mitigatied
                            ***   09/08/21
 *** AERMET - VERSION 16216 ***   ***
                           ***   15:24:12

                                     PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.   INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY   SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)   BY
 -

 L0034389   0   0.96920E-07 464043.0 3775685.3   417.9   3.70   1.67   2.89   YES
 L0034390   0   0.96920E-07 464042.9 3775688.9   418.0   3.70   1.67   2.89   YES
 L0034391   0   0.96920E-07 464042.8 3775692.5   418.1   3.70   1.67

2.89 YES							
L0034392	0	0.96920E-07	464042.8	3775696.1	418.2	3.70	1.67
2.89 YES							
L0034393	0	0.96920E-07	464042.7	3775699.7	418.3	3.70	1.67
2.89 YES							
L0034394	0	0.96920E-07	464042.6	3775703.3	418.4	3.70	1.67
2.89 YES							
L0034395	0	0.96920E-07	464042.6	3775706.9	418.5	3.70	1.67
2.89 YES							
L0034396	0	0.96920E-07	464042.5	3775710.5	418.6	3.70	1.67
2.89 YES							
L0034397	0	0.96920E-07	464042.4	3775714.1	418.7	3.70	1.67
2.89 YES							
L0034398	0	0.96920E-07	464042.3	3775717.7	418.7	3.70	1.67
2.89 YES							
L0034399	0	0.96920E-07	464042.3	3775721.3	418.8	3.70	1.67
2.89 YES							
L0034400	0	0.96920E-07	464042.2	3775724.9	418.9	3.70	1.67
2.89 YES							
L0034401	0	0.96920E-07	464042.1	3775728.5	419.0	3.70	1.67
2.89 YES							
L0034402	0	0.44350E-07	464043.8	3775729.8	419.0	3.70	1.67
2.89 YES							
L0034403	0	0.44350E-07	464047.3	3775730.7	419.0	3.70	1.67
2.89 YES							
L0034404	0	0.44350E-07	464050.8	3775731.7	419.0	3.70	1.67
2.89 YES							
L0034405	0	0.44350E-07	464054.2	3775732.7	419.0	3.70	1.67
2.89 YES							
L0034406	0	0.44350E-07	464057.5	3775734.2	419.0	3.70	1.67
2.89 YES							
L0034407	0	0.44350E-07	464060.7	3775735.8	419.0	3.70	1.67
2.89 YES							
L0034408	0	0.44350E-07	464063.9	3775737.4	419.0	3.70	1.67
2.89 YES							
L0034409	0	0.44350E-07	464065.6	3775740.6	419.1	3.70	1.67
2.89 YES							
L0034410	0	0.44350E-07	464067.3	3775743.7	419.1	3.70	1.67
2.89 YES							
L0034411	0	0.44350E-07	464069.1	3775746.9	419.1	3.70	1.67
2.89 YES							
L0034412	0	0.44350E-07	464070.0	3775750.3	419.1	3.70	1.67
2.89 YES							
L0034413	0	0.44350E-07	464070.5	3775753.9	419.1	3.70	1.67
2.89 YES							
L0034414	0	0.44350E-07	464070.9	3775757.4	419.1	3.70	1.67
2.89 YES							
L0034415	0	0.44350E-07	464071.3	3775761.0	419.2	3.70	1.67

```
2.89     YES
 L0034416         0   0.44350E-07  464071.3 3775764.6   419.1     3.70     1.67
2.89     YES
 L0034417         0   0.44350E-07  464071.3 3775768.2   419.1     3.70     1.67
2.89     YES
 L0034418         0   0.44350E-07  464071.3 3775771.8   419.1     3.70     1.67
2.89     YES
 L0034419         0   0.44350E-07  464071.3 3775775.4   419.0     3.70     1.67
2.89     YES
 L0034420         0   0.44350E-07  464071.3 3775779.0   419.0     3.70     1.67
2.89     YES
 L0034421         0   0.44350E-07  464071.3 3775782.6   418.9     3.70     1.67
2.89     YES
 L0034422         0   0.44350E-07  464071.3 3775786.2   418.9     3.70     1.67
2.89     YES
 L0034423         0   0.44350E-07  464071.3 3775789.8   418.9     3.70     1.67
2.89     YES
 L0034424         0   0.44350E-07  464071.4 3775793.4   418.9     3.70     1.67
2.89     YES
 L0034425         0   0.44350E-07  464071.4 3775797.0   418.9     3.70     1.67
2.89     YES
 L0034426         0   0.44350E-07  464071.4 3775800.6   418.9     3.70     1.67
2.89     YES
 L0034427         0   0.44350E-07  464071.4 3775804.2   419.0     3.70     1.67
2.89     YES
 L0034428         0   0.44350E-07  464071.4 3775807.8   419.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                   PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0034429         0   0.44350E-07  464071.5 3775811.4   419.0     3.70     1.67
```

2.89 YES							
L0034430	0	0.44350E-07	464071.5	3775815.0	419.1	3.70	1.67
2.89 YES							
L0034431	0	0.44350E-07	464071.5	3775818.6	419.1	3.70	1.67
2.89 YES							
L0034432	0	0.44350E-07	464071.5	3775822.2	419.1	3.70	1.67
2.89 YES							
L0034433	0	0.44350E-07	464071.6	3775825.8	419.2	3.70	1.67
2.89 YES							
L0034434	0	0.44350E-07	464071.6	3775829.4	419.2	3.70	1.67
2.89 YES							
L0034435	0	0.44350E-07	464071.6	3775833.0	419.3	3.70	1.67
2.89 YES							
L0034436	0	0.44350E-07	464071.6	3775836.6	419.4	3.70	1.67
2.89 YES							
L0034437	0	0.44350E-07	464071.6	3775840.2	419.4	3.70	1.67
2.89 YES							
L0034438	0	0.44350E-07	464071.7	3775843.8	419.5	3.70	1.67
2.89 YES							
L0034439	0	0.44350E-07	464071.7	3775847.4	419.5	3.70	1.67
2.89 YES							
L0034440	0	0.44350E-07	464071.7	3775851.0	419.6	3.70	1.67
2.89 YES							
L0034441	0	0.44350E-07	464071.7	3775854.6	419.6	3.70	1.67
2.89 YES							
L0034442	0	0.44350E-07	464071.7	3775858.2	419.7	3.70	1.67
2.89 YES							
L0034443	0	0.44350E-07	464071.8	3775861.8	419.7	3.70	1.67
2.89 YES							
L0034444	0	0.44350E-07	464071.8	3775865.4	419.8	3.70	1.67
2.89 YES							
L0034445	0	0.44350E-07	464071.8	3775869.0	419.8	3.70	1.67
2.89 YES							
L0034446	0	0.44350E-07	464071.8	3775872.6	419.9	3.70	1.67
2.89 YES							
L0034447	0	0.44350E-07	464071.9	3775876.2	419.9	3.70	1.67
2.89 YES							
L0034448	0	0.44350E-07	464071.9	3775879.8	420.0	3.70	1.67
2.89 YES							
L0034449	0	0.44350E-07	464071.9	3775883.4	420.0	3.70	1.67
2.89 YES							
L0034450	0	0.44350E-07	464071.9	3775887.0	420.1	3.70	1.67
2.89 YES							
L0034451	0	0.44350E-07	464071.9	3775890.6	420.2	3.70	1.67
2.89 YES							
L0034452	0	0.44350E-07	464072.0	3775894.2	420.4	3.70	1.67
2.89 YES							
L0034453	0	0.44350E-07	464072.0	3775897.8	420.4	3.70	1.67

```
2.89     YES
 L0034454         0   0.44350E-07  464072.0 3775901.4   420.6     3.70     1.67
2.89     YES
 L0034455         0   0.44350E-07  464072.0 3775905.0   420.7     3.70     1.67
2.89     YES
 L0034456         0   0.44350E-07  464072.0 3775908.6   420.8     3.70     1.67
2.89     YES
 L0034457         0   0.44350E-07  464072.1 3775912.2   420.9     3.70     1.67
2.89     YES
 L0034458         0   0.44350E-07  464072.1 3775915.8   421.0     3.70     1.67
2.89     YES
 L0034459         0   0.44350E-07  464072.1 3775919.4   421.1     3.70     1.67
2.89     YES
 L0034460         0   0.44350E-07  464072.1 3775923.0   421.2     3.70     1.67
2.89     YES
 L0034461         0   0.44350E-07  464072.2 3775926.6   421.4     3.70     1.67
2.89     YES
 L0034462         0   0.44350E-07  464072.2 3775930.2   421.5     3.70     1.67
2.89     YES
 L0034463         0   0.44350E-07  464072.2 3775933.8   421.6     3.70     1.67
2.89     YES
 L0034464         0   0.67860E-07  464039.8 3775729.3   419.0     3.70     1.67
2.89     YES
 L0034465         0   0.67860E-07  464036.3 3775730.2   419.0     3.70     1.67
2.89     YES
 L0034466         0   0.67860E-07  464032.8 3775731.1   419.0     3.70     1.67
2.89     YES
 L0034467         0   0.67860E-07  464029.3 3775731.9   419.0     3.70     1.67
2.89     YES
 L0034468         0   0.67860E-07  464025.8 3775732.8   419.0     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

L0034469	0	0.67860E-07	464022.4	3775734.0	419.1	3.70	1.67	2.89 YES
L0034470	0	0.67860E-07	464019.0	3775735.1	419.1	3.70	1.67	2.89 YES
L0034471	0	0.67860E-07	464015.9	3775736.8	419.1	3.70	1.67	2.89 YES
L0034472	0	0.67860E-07	464012.8	3775738.8	419.2	3.70	1.67	2.89 YES
L0034473	0	0.67860E-07	464009.9	3775740.8	419.2	3.70	1.67	2.89 YES
L0034474	0	0.67860E-07	464007.4	3775743.4	419.2	3.70	1.67	2.89 YES
L0034475	0	0.67860E-07	464005.1	3775746.1	419.3	3.70	1.67	2.89 YES
L0034476	0	0.67860E-07	464004.1	3775749.6	419.3	3.70	1.67	2.89 YES
L0034477	0	0.67860E-07	464003.1	3775753.0	419.4	3.70	1.67	2.89 YES
L0034478	0	0.67860E-07	464002.8	3775756.6	419.4	3.70	1.67	2.89 YES
L0034479	0	0.67860E-07	464002.7	3775760.2	419.5	3.70	1.67	2.89 YES
L0034480	0	0.67860E-07	464002.5	3775763.8	419.5	3.70	1.67	2.89 YES
L0034481	0	0.67860E-07	464002.4	3775767.4	419.6	3.70	1.67	2.89 YES
L0034482	0	0.67860E-07	464002.3	3775771.0	419.6	3.70	1.67	2.89 YES
L0034483	0	0.67860E-07	464002.2	3775774.6	419.7	3.70	1.67	2.89 YES
L0034484	0	0.67860E-07	464002.1	3775778.2	419.7	3.70	1.67	2.89 YES
L0034485	0	0.67860E-07	464002.1	3775781.8	419.8	3.70	1.67	2.89 YES
L0034486	0	0.67860E-07	464002.1	3775785.4	419.8	3.70	1.67	2.89 YES
L0034487	0	0.67860E-07	464002.1	3775789.0	419.9	3.70	1.67	2.89 YES
L0034488	0	0.67860E-07	464002.1	3775792.6	419.9	3.70	1.67	2.89 YES
L0034489	0	0.67860E-07	464002.1	3775796.2	419.9	3.70	1.67	2.89 YES
L0034490	0	0.67860E-07	464002.1	3775799.8	420.0	3.70	1.67	2.89 YES
L0034491	0	0.67860E-07	464002.1	3775803.4	420.1	3.70	1.67	

2.89 YES
L0034492 0 0.67860E-07 464002.1 3775807.0 420.1 3.70 1.67
2.89 YES
L0034493 0 0.67860E-07 464002.0 3775810.6 420.2 3.70 1.67
2.89 YES
L0034494 0 0.67860E-07 464002.0 3775814.2 420.2 3.70 1.67
2.89 YES
L0034495 0 0.67860E-07 464002.0 3775817.8 420.2 3.70 1.67
2.89 YES
L0034496 0 0.67860E-07 464002.0 3775821.4 420.3 3.70 1.67
2.89 YES
L0034497 0 0.67860E-07 464002.0 3775825.0 420.4 3.70 1.67
2.89 YES
L0034498 0 0.67860E-07 464002.0 3775828.6 420.4 3.70 1.67
2.89 YES
L0034499 0 0.67860E-07 464002.0 3775832.2 420.5 3.70 1.67
2.89 YES
L0034500 0 0.67860E-07 464002.0 3775835.8 420.5 3.70 1.67
2.89 YES
L0034501 0 0.67860E-07 464002.0 3775839.4 420.6 3.70 1.67
2.89 YES
L0034502 0 0.67860E-07 464001.9 3775843.0 420.7 3.70 1.67
2.89 YES
L0034503 0 0.67860E-07 464001.9 3775846.6 420.7 3.70 1.67
2.89 YES
L0034504 0 0.67860E-07 464001.9 3775850.2 420.8 3.70 1.67
2.89 YES
L0034505 0 0.67860E-07 464001.9 3775853.8 420.9 3.70 1.67
2.89 YES
L0034506 0 0.67860E-07 464001.9 3775857.4 420.9 3.70 1.67
2.89 YES
L0034507 0 0.67860E-07 464001.9 3775861.0 421.0 3.70 1.67
2.89 YES
L0034508 0 0.67860E-07 464001.9 3775864.6 421.0 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.
INIT. URBAN EMISSION RATE

SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ SOURCE (METERS)
L0034509	0	0.67860E-07	464001.9	3775868.2	421.1	3.70	1.67	2.89 YES
L0034510	0	0.67860E-07	464001.9	3775871.8	421.1	3.70	1.67	2.89 YES
L0034511	0	0.67860E-07	464001.9	3775875.4	421.2	3.70	1.67	2.89 YES
L0034512	0	0.67860E-07	464001.8	3775879.0	421.2	3.70	1.67	2.89 YES
L0034513	0	0.67860E-07	464001.8	3775882.6	421.3	3.70	1.67	2.89 YES
L0034514	0	0.67860E-07	464001.8	3775886.2	421.3	3.70	1.67	2.89 YES
L0034515	0	0.67860E-07	464001.8	3775889.8	421.4	3.70	1.67	2.89 YES
L0034516	0	0.67860E-07	464001.8	3775893.4	421.4	3.70	1.67	2.89 YES
L0034517	0	0.67860E-07	464001.8	3775897.0	421.5	3.70	1.67	2.89 YES
L0034518	0	0.67860E-07	464001.8	3775900.6	421.5	3.70	1.67	2.89 YES
L0034519	0	0.67860E-07	464001.8	3775904.2	421.6	3.70	1.67	2.89 YES
L0034520	0	0.67860E-07	464001.8	3775907.8	421.6	3.70	1.67	2.89 YES
L0034521	0	0.67860E-07	464001.8	3775911.4	421.7	3.70	1.67	2.89 YES
L0034522	0	0.67860E-07	464001.7	3775915.0	421.8	3.70	1.67	2.89 YES
L0034523	0	0.67860E-07	464001.7	3775918.6	421.8	3.70	1.67	2.89 YES
L0034524	0	0.67860E-07	464001.7	3775922.2	421.9	3.70	1.67	2.89 YES
L0034525	0	0.67860E-07	464001.7	3775925.8	422.0	3.70	1.67	2.89 YES
L0034526	0	0.67860E-07	464001.7	3775929.4	422.0	3.70	1.67	2.89 YES
L0034527	0	0.67860E-07	464001.7	3775933.0	422.1	3.70	1.67	2.89 YES
L0034528	0	0.67860E-07	464001.7	3775936.6	422.2	3.70	1.67	2.89 YES
L0034529	0	0.67860E-07	464001.7	3775940.2	422.2	3.70	1.67	

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2.89     YES
 L0034530         0   0.67860E-07  464001.7 3775943.8   422.3     3.70     1.67
2.89     YES
 L0034531         0   0.67860E-07  464001.6 3775947.4   422.4     3.70     1.67
2.89     YES
 L0034532         0   0.67860E-07  464001.6 3775951.0   422.5     3.70     1.67
2.89     YES
 L0034533         0   0.67860E-07  464001.6 3775954.6   422.5     3.70     1.67
2.89     YES
 L0034534         0   0.67860E-07  464001.6 3775958.2   422.6     3.70     1.67
2.89     YES
 L0034535         0   0.67860E-07  464001.6 3775961.8   422.7     3.70     1.67
2.89     YES
 L0034536         0   0.67860E-07  464001.6 3775965.4   422.8     3.70     1.67
2.89     YES
 L0034537         0   0.67860E-07  464001.6 3775969.0   422.8     3.70     1.67
2.89     YES
 L0034538         0   0.67860E-07  464001.6 3775972.6   422.9     3.70     1.67
2.89     YES
 L0034539         0   0.67860E-07  464001.6 3775976.2   423.0     3.70     1.67
2.89     YES
 L0034540         0   0.67860E-07  464001.6 3775979.8   423.0     3.70     1.67
2.89     YES
 L0034541         0   0.67860E-07  464001.5 3775983.4   423.1     3.70     1.67
2.89     YES
 L0034542         0   0.67860E-07  464001.5 3775987.0   423.1     3.70     1.67
2.89     YES
 L0034543         0   0.67860E-07  464001.5 3775990.6   423.1     3.70     1.67
2.89     YES
 L0034544         0   0.67860E-07  464001.5 3775994.2   423.1     3.70     1.67
2.89     YES
 L0034545         0   0.67860E-07  464001.5 3775997.8   423.2     3.70     1.67
2.89     YES
 L0034546         0   0.67860E-07  464001.5 3776001.4   423.2     3.70     1.67
2.89     YES
 L0034547         0   0.67860E-07  464001.5 3776005.0   423.2     3.70     1.67
2.89     YES
 L0034548         0   0.89070E-07  464091.9 3775931.2   421.7     3.70     1.67
0.00     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0034549	0	0.89070E-07	464091.9	3775927.6	421.7	3.70	1.67	0.00	YES
L0034550	0	0.89070E-07	464091.8	3775924.0	421.6	3.70	1.67	0.00	YES
L0034551	0	0.89070E-07	464091.8	3775920.4	421.5	3.70	1.67	0.00	YES
L0034552	0	0.89070E-07	464091.8	3775916.8	421.5	3.70	1.67	0.00	YES
L0034553	0	0.89070E-07	464091.8	3775913.2	421.4	3.70	1.67	0.00	YES
L0034554	0	0.89070E-07	464091.7	3775909.6	421.3	3.70	1.67	0.00	YES
L0034555	0	0.89070E-07	464091.7	3775906.0	421.2	3.70	1.67	0.00	YES
L0034556	0	0.89070E-07	464091.7	3775902.4	421.1	3.70	1.67	0.00	YES
L0034557	0	0.89070E-07	464091.7	3775898.8	421.0	3.70	1.67	0.00	YES
L0034558	0	0.89070E-07	464091.7	3775895.2	420.9	3.70	1.67	0.00	YES
L0034559	0	0.89070E-07	464091.6	3775891.6	420.8	3.70	1.67	0.00	YES
L0034560	0	0.89070E-07	464091.6	3775888.0	420.7	3.70	1.67	0.00	YES
L0034561	0	0.89070E-07	464091.6	3775884.4	420.6	3.70	1.67	0.00	YES
L0034562	0	0.89070E-07	464091.6	3775880.8	420.6	3.70	1.67	0.00	YES
L0034563	0	0.89070E-07	464091.5	3775877.2	420.5	3.70	1.67	0.00	YES
L0034564	0	0.89070E-07	464091.5	3775873.6	420.4	3.70	1.67	0.00	YES
L0034565	0	0.89070E-07	464091.5	3775870.0	420.3	3.70	1.67	0.00	YES
L0034566	0	0.89070E-07	464091.5	3775866.4	420.3	3.70	1.67	0.00	YES
L0034567	0	0.89070E-07	464091.5	3775862.8	420.2	3.70	1.67		

0.00 YES							
L0034568	0	0.89070E-07	464091.4	3775859.2	420.1	3.70	1.67
0.00 YES							
L0034569	0	0.89070E-07	464091.4	3775855.6	420.0	3.70	1.67
0.00 YES							
L0034570	0	0.89070E-07	464091.4	3775852.0	420.0	3.70	1.67
0.00 YES							
L0034571	0	0.89070E-07	464091.4	3775848.4	419.9	3.70	1.67
0.00 YES							
L0034572	0	0.89070E-07	464091.3	3775844.8	419.8	3.70	1.67
0.00 YES							
L0034573	0	0.89070E-07	464091.3	3775841.2	419.7	3.70	1.67
0.00 YES							
L0034574	0	0.89070E-07	464091.3	3775837.6	419.6	3.70	1.67
0.00 YES							
L0034575	0	0.89070E-07	464091.3	3775834.0	419.5	3.70	1.67
0.00 YES							
L0034576	0	0.89070E-07	464091.3	3775830.4	419.4	3.70	1.67
0.00 YES							
L0034577	0	0.89070E-07	464091.2	3775826.8	419.4	3.70	1.67
0.00 YES							
L0034578	0	0.89070E-07	464091.2	3775823.2	419.3	3.70	1.67
0.00 YES							
L0034579	0	0.89070E-07	464091.2	3775819.6	419.2	3.70	1.67
0.00 YES							
L0034580	0	0.89070E-07	464091.2	3775816.0	419.1	3.70	1.67
0.00 YES							
L0034581	0	0.89070E-07	464091.2	3775812.4	419.0	3.70	1.67
0.00 YES							
L0034582	0	0.89070E-07	464091.1	3775808.8	418.9	3.70	1.67
0.00 YES							
L0034583	0	0.89070E-07	464091.1	3775805.2	418.8	3.70	1.67
0.00 YES							
L0034584	0	0.89070E-07	464091.1	3775801.6	418.7	3.70	1.67
0.00 YES							
L0034585	0	0.89070E-07	464091.1	3775798.0	418.6	3.70	1.67
0.00 YES							
L0034586	0	0.89070E-07	464091.0	3775794.4	418.5	3.70	1.67
0.00 YES							
L0034587	0	0.89070E-07	464091.0	3775790.8	418.4	3.70	1.67
0.00 YES							
L0034588	0	0.89070E-07	464091.0	3775787.2	418.4	3.70	1.67
0.00 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0034589	0	0.89070E-07	464091.0	3775783.6	418.5	3.70	1.67	0.00	YES	
L0034590	0	0.89070E-07	464091.0	3775780.0	418.5	3.70	1.67	0.00	YES	
L0034591	0	0.89070E-07	464090.9	3775776.4	418.5	3.70	1.67	0.00	YES	
L0034592	0	0.89070E-07	464090.9	3775772.8	418.5	3.70	1.67	0.00	YES	
L0034593	0	0.89070E-07	464090.9	3775769.2	418.6	3.70	1.67	0.00	YES	
L0034594	0	0.89070E-07	464090.9	3775765.6	418.6	3.70	1.67	0.00	YES	
L0034595	0	0.89070E-07	464090.8	3775762.0	418.6	3.70	1.67	0.00	YES	
L0034596	0	0.89070E-07	464090.8	3775758.4	418.6	3.70	1.67	0.00	YES	
L0034597	0	0.89070E-07	464090.8	3775754.8	418.6	3.70	1.67	0.00	YES	
L0034598	0	0.89070E-07	464090.8	3775751.2	418.7	3.70	1.67	0.00	YES	
L0034599	0	0.89070E-07	464090.8	3775747.6	418.7	3.70	1.67	0.00	YES	
L0034600	0	0.89070E-07	464090.7	3775744.0	418.7	3.70	1.67	0.00	YES	
L0034601	0	0.89070E-07	464090.7	3775740.4	418.7	3.70	1.67	0.00	YES	
L0034602	0	0.13750E-06	463981.9	3776003.8	423.2	3.70	1.67	2.89	YES	
L0034603	0	0.13750E-06	463981.9	3776000.2	423.2	3.70	1.67	2.89	YES	
L0034604	0	0.13750E-06	463981.9	3775996.6	423.2	3.70	1.67	2.89	YES	
L0034605	0	0.13750E-06	463981.9	3775993.0	423.1	3.70	1.67			

2.89 YES							
L0034606	0	0.13750E-06	463981.9	3775989.4	423.1	3.70	1.67
2.89 YES							
L0034607	0	0.13750E-06	463981.9	3775985.8	423.0	3.70	1.67
2.89 YES							
L0034608	0	0.13750E-06	463981.9	3775982.2	423.0	3.70	1.67
2.89 YES							
L0034609	0	0.13750E-06	463981.9	3775978.6	422.9	3.70	1.67
2.89 YES							
L0034610	0	0.13750E-06	463981.9	3775975.0	422.9	3.70	1.67
2.89 YES							
L0034611	0	0.13750E-06	463981.9	3775971.4	422.8	3.70	1.67
2.89 YES							
L0034612	0	0.13750E-06	463981.9	3775967.8	422.7	3.70	1.67
2.89 YES							
L0034613	0	0.13750E-06	463981.9	3775964.2	422.7	3.70	1.67
2.89 YES							
L0034614	0	0.13750E-06	463982.0	3775960.6	422.6	3.70	1.67
2.89 YES							
L0034615	0	0.13750E-06	463982.0	3775957.0	422.5	3.70	1.67
2.89 YES							
L0034616	0	0.13750E-06	463982.0	3775953.4	422.4	3.70	1.67
2.89 YES							
L0034617	0	0.13750E-06	463982.0	3775949.8	422.4	3.70	1.67
2.89 YES							
L0034618	0	0.13750E-06	463982.0	3775946.2	422.3	3.70	1.67
2.89 YES							
L0034619	0	0.13750E-06	463982.0	3775942.6	422.2	3.70	1.67
2.89 YES							
L0034620	0	0.13750E-06	463982.0	3775939.0	422.2	3.70	1.67
2.89 YES							
L0034621	0	0.13750E-06	463982.0	3775935.4	422.1	3.70	1.67
2.89 YES							
L0034622	0	0.13750E-06	463982.0	3775931.8	422.0	3.70	1.67
2.89 YES							
L0034623	0	0.13750E-06	463982.0	3775928.2	422.0	3.70	1.67
2.89 YES							
L0034624	0	0.13750E-06	463982.0	3775924.6	421.9	3.70	1.67
2.89 YES							
L0034625	0	0.13750E-06	463982.0	3775921.0	421.8	3.70	1.67
2.89 YES							
L0034626	0	0.13750E-06	463982.1	3775917.4	421.8	3.70	1.67
2.89 YES							
L0034627	0	0.13750E-06	463982.1	3775913.8	421.7	3.70	1.67
2.89 YES							
L0034628	0	0.13750E-06	463982.1	3775910.2	421.7	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY
L0034629	0	0.13750E-06	463982.1	3775906.6	421.6	3.70	1.67	2.89	YES	
L0034630	0	0.13750E-06	463982.1	3775903.0	421.5	3.70	1.67	2.89	YES	
L0034631	0	0.13750E-06	463982.1	3775899.4	421.5	3.70	1.67	2.89	YES	
L0034632	0	0.13750E-06	463982.1	3775895.8	421.4	3.70	1.67	2.89	YES	
L0034633	0	0.13750E-06	463982.1	3775892.2	421.4	3.70	1.67	2.89	YES	
L0034634	0	0.13750E-06	463982.1	3775888.6	421.3	3.70	1.67	2.89	YES	
L0034635	0	0.13750E-06	463982.1	3775885.0	421.3	3.70	1.67	2.89	YES	
L0034636	0	0.13750E-06	463982.1	3775881.4	421.2	3.70	1.67	2.89	YES	
L0034637	0	0.13750E-06	463982.1	3775877.8	421.2	3.70	1.67	2.89	YES	
L0034638	0	0.13750E-06	463982.1	3775874.2	421.1	3.70	1.67	2.89	YES	
L0034639	0	0.13750E-06	463982.2	3775870.6	421.1	3.70	1.67	2.89	YES	
L0034640	0	0.13750E-06	463982.2	3775867.0	421.0	3.70	1.67	2.89	YES	
L0034641	0	0.13750E-06	463982.2	3775863.4	420.9	3.70	1.67	2.89	YES	
L0034642	0	0.13750E-06	463982.2	3775859.8	420.9	3.70	1.67	2.89	YES	
L0034643	0	0.13750E-06	463982.2	3775856.2	420.8	3.70	1.67			

2.89	YES						
L0034644	0	0.13750E-06	463982.2	3775852.6	420.8	3.70	1.67
2.89	YES						
L0034645	0	0.13750E-06	463982.2	3775849.0	420.7	3.70	1.67
2.89	YES						
L0034646	0	0.13750E-06	463982.2	3775845.4	420.6	3.70	1.67
2.89	YES						
L0034647	0	0.13750E-06	463982.2	3775841.8	420.6	3.70	1.67
2.89	YES						
L0034648	0	0.13750E-06	463982.2	3775838.2	420.5	3.70	1.67
2.89	YES						
L0034649	0	0.13750E-06	463982.2	3775834.6	420.4	3.70	1.67
2.89	YES						
L0034650	0	0.13750E-06	463982.2	3775831.0	420.4	3.70	1.67
2.89	YES						
L0034651	0	0.13750E-06	463982.3	3775827.4	420.3	3.70	1.67
2.89	YES						
L0034652	0	0.13750E-06	463982.3	3775823.8	420.3	3.70	1.67
2.89	YES						
L0034653	0	0.13750E-06	463982.3	3775820.2	420.2	3.70	1.67
2.89	YES						
L0034654	0	0.13750E-06	463982.3	3775816.6	420.1	3.70	1.67
2.89	YES						
L0034655	0	0.13750E-06	463982.3	3775813.0	420.1	3.70	1.67
2.89	YES						
L0034656	0	0.13750E-06	463982.3	3775809.4	420.0	3.70	1.67
2.89	YES						
L0034657	0	0.13750E-06	463982.3	3775805.8	420.0	3.70	1.67
2.89	YES						
L0034658	0	0.13750E-06	463982.3	3775802.2	419.9	3.70	1.67
2.89	YES						
L0034659	0	0.13750E-06	463982.3	3775798.6	419.9	3.70	1.67
2.89	YES						
L0034660	0	0.13750E-06	463982.3	3775795.0	419.8	3.70	1.67
2.89	YES						
L0034661	0	0.13750E-06	463982.3	3775791.4	419.8	3.70	1.67
2.89	YES						
L0034662	0	0.13750E-06	463982.3	3775787.8	419.7	3.70	1.67
2.89	YES						
L0034663	0	0.13750E-06	463982.4	3775784.2	419.7	3.70	1.67
2.89	YES						
L0034664	0	0.13750E-06	463982.4	3775780.6	419.7	3.70	1.67
2.89	YES						
L0034665	0	0.13750E-06	463982.4	3775777.0	419.6	3.70	1.67
2.89	YES						
L0034666	0	0.13750E-06	463982.4	3775773.4	419.6	3.70	1.67
2.89	YES						
L0034667	0	0.13750E-06	463982.4	3775769.8	419.5	3.70	1.67

2.89 YES
L0034668 0 0.13750E-06 463982.4 3775766.2 419.5 3.70 1.67
2.89 YES
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 9
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0034669	0	0.13750E-06	463982.4	3775762.6	419.5	3.70	1.67	2.89	YES	
L0034670	0	0.13750E-06	463982.4	3775759.0	419.4	3.70	1.67	2.89	YES	
L0034671	0	0.13750E-06	463982.4	3775755.4	419.4	3.70	1.67	2.89	YES	
L0034672	0	0.13750E-06	463982.4	3775751.8	419.3	3.70	1.67	2.89	YES	
L0034673	0	0.13750E-06	463982.4	3775748.2	419.3	3.70	1.67	2.89	YES	
L0031403	0	0.33410E-07	461871.7	3777383.2	457.5	3.70	1.67	2.89	YES	
L0031404	0	0.33410E-07	461868.1	3777383.5	457.5	3.70	1.67	2.89	YES	
L0031405	0	0.33410E-07	461864.5	3777383.9	457.6	3.70	1.67	2.89	YES	
L0031406	0	0.33410E-07	461860.9	3777384.2	457.6	3.70	1.67	2.89	YES	
L0031407	0	0.33410E-07	461857.3	3777384.5	457.7	3.70	1.67	2.89	YES	
L0031408	0	0.33410E-07	461853.7	3777384.8	457.7	3.70	1.67	2.89	YES	
L0031409	0	0.33410E-07	461850.2	3777385.2	457.8	3.70	1.67	2.89	YES	
L0031410	0	0.33410E-07	461846.6	3777385.5	457.8	3.70	1.67			

2.89 YES							
L0031411	0	0.33410E-07	461843.0	3777385.8	457.8	3.70	1.67
2.89 YES							
L0031412	0	0.33410E-07	461839.4	3777386.2	457.8	3.70	1.67
2.89 YES							
L0031413	0	0.33410E-07	461835.8	3777386.5	457.8	3.70	1.67
2.89 YES							
L0031414	0	0.33410E-07	461832.2	3777386.8	457.8	3.70	1.67
2.89 YES							
L0031415	0	0.33410E-07	461828.6	3777387.2	457.9	3.70	1.67
2.89 YES							
L0031416	0	0.33410E-07	461825.1	3777387.5	457.9	3.70	1.67
2.89 YES							
L0031417	0	0.33410E-07	461821.5	3777387.8	457.8	3.70	1.67
2.89 YES							
L0031418	0	0.33410E-07	461817.9	3777388.2	457.8	3.70	1.67
2.89 YES							
L0031419	0	0.33410E-07	461814.3	3777388.5	457.8	3.70	1.67
2.89 YES							
L0031420	0	0.33410E-07	461810.7	3777388.8	457.8	3.70	1.67
2.89 YES							
L0031421	0	0.33410E-07	461807.1	3777389.2	457.8	3.70	1.67
2.89 YES							
L0031422	0	0.33410E-07	461803.6	3777389.5	457.8	3.70	1.67
2.89 YES							
L0031423	0	0.33410E-07	461800.0	3777389.8	457.8	3.70	1.67
2.89 YES							
L0031424	0	0.33410E-07	461796.4	3777390.1	457.9	3.70	1.67
2.89 YES							
L0031425	0	0.33410E-07	461792.8	3777390.5	458.0	3.70	1.67
2.89 YES							
L0031426	0	0.33410E-07	461789.2	3777390.8	458.0	3.70	1.67
2.89 YES							
L0031427	0	0.33410E-07	461785.6	3777391.2	458.1	3.70	1.67
2.89 YES							
L0031428	0	0.33410E-07	461782.1	3777391.7	458.2	3.70	1.67
2.89 YES							
L0031429	0	0.33410E-07	461778.5	3777392.2	458.3	3.70	1.67
2.89 YES							
L0031430	0	0.33410E-07	461774.9	3777392.6	458.4	3.70	1.67
2.89 YES							
L0031431	0	0.33410E-07	461771.4	3777393.1	458.5	3.70	1.67
2.89 YES							
L0031432	0	0.33410E-07	461767.8	3777393.6	458.6	3.70	1.67
2.89 YES							
L0031433	0	0.33410E-07	461764.2	3777394.1	458.6	3.70	1.67
2.89 YES							
L0031434	0	0.33410E-07	461760.7	3777394.5	458.7	3.70	1.67

```
2.89     YES
 L0031435         0   0.33410E-07  461757.1 3777395.0   458.7     3.70     1.67
2.89     YES
 L0031436         0   0.33410E-07  461753.5 3777395.5   458.8     3.70     1.67
2.89     YES
 L0031437         0   0.33410E-07  461750.0 3777396.0   458.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0031438         0   0.33410E-07  461746.4 3777396.4   458.9     3.70     1.67
2.89     YES
 L0031439         0   0.33410E-07  461742.8 3777396.9   458.9     3.70     1.67
2.89     YES
 L0031440         0   0.33410E-07  461739.2 3777397.4   459.0     3.70     1.67
2.89     YES
 L0031441         0   0.33410E-07  461735.7 3777397.8   459.0     3.70     1.67
2.89     YES
 L0031442         0   0.33410E-07  461732.1 3777398.3   459.0     3.70     1.67
2.89     YES
 L0031443         0   0.33410E-07  461728.5 3777398.8   459.1     3.70     1.67
2.89     YES
 L0031444         0   0.33410E-07  461725.0 3777399.3   459.1     3.70     1.67
2.89     YES
 L0031445         0   0.33410E-07  461721.4 3777399.7   459.1     3.70     1.67
2.89     YES
 L0031446         0   0.33410E-07  461717.8 3777400.2   459.1     3.70     1.67
2.89     YES
 L0031447         0   0.33410E-07  461714.3 3777400.7   459.1     3.70     1.67
2.89     YES
 L0031448         0   0.33410E-07  461710.7 3777401.2   459.2     3.70     1.67
```

2.89 YES							
L0031449	0	0.33410E-07	461707.1	3777401.6	459.2	3.70	1.67
2.89 YES							
L0031450	0	0.33410E-07	461703.6	3777402.4	459.2	3.70	1.67
2.89 YES							
L0031451	0	0.33410E-07	461700.1	3777403.3	459.2	3.70	1.67
2.89 YES							
L0031452	0	0.33410E-07	461696.6	3777404.2	459.3	3.70	1.67
2.89 YES							
L0031453	0	0.33410E-07	461693.2	3777405.1	459.3	3.70	1.67
2.89 YES							
L0031454	0	0.33410E-07	461689.7	3777406.0	459.3	3.70	1.67
2.89 YES							
L0031455	0	0.33410E-07	461686.2	3777406.9	459.3	3.70	1.67
2.89 YES							
L0031456	0	0.33410E-07	461682.7	3777407.8	459.3	3.70	1.67
2.89 YES							
L0031457	0	0.33410E-07	461679.2	3777408.7	459.4	3.70	1.67
2.89 YES							
L0031458	0	0.33410E-07	461675.7	3777409.6	459.4	3.70	1.67
2.89 YES							
L0031459	0	0.33410E-07	461672.2	3777410.5	459.4	3.70	1.67
2.89 YES							
L0031460	0	0.33410E-07	461668.8	3777411.4	459.5	3.70	1.67
2.89 YES							
L0031461	0	0.33410E-07	461665.3	3777412.3	459.6	3.70	1.67
2.89 YES							
L0031462	0	0.33410E-07	461661.8	3777413.2	459.6	3.70	1.67
2.89 YES							
L0031463	0	0.33410E-07	461658.3	3777414.1	459.7	3.70	1.67
2.89 YES							
L0031464	0	0.33410E-07	461654.8	3777415.0	459.7	3.70	1.67
2.89 YES							
L0031465	0	0.33410E-07	461651.3	3777415.8	459.8	3.70	1.67
2.89 YES							
L0031466	0	0.33410E-07	461647.8	3777416.7	459.9	3.70	1.67
2.89 YES							
L0031467	0	0.33410E-07	461644.3	3777417.6	460.0	3.70	1.67
2.89 YES							
L0031468	0	0.33410E-07	461640.9	3777418.5	460.1	3.70	1.67
2.89 YES							
L0031469	0	0.33410E-07	461637.4	3777419.4	460.2	3.70	1.67
2.89 YES							
L0031470	0	0.33410E-07	461633.9	3777420.3	460.3	3.70	1.67
2.89 YES							
L0031471	0	0.33410E-07	461630.4	3777421.4	460.4	3.70	1.67
2.89 YES							
L0031472	0	0.33410E-07	461627.0	3777422.5	460.5	3.70	1.67

```
2.89     YES
 L0031473         0   0.33410E-07  461623.6 3777423.6   460.6     3.70     1.67
2.89     YES
 L0031474         0   0.33410E-07  461620.2 3777424.7   460.7     3.70     1.67
2.89     YES
 L0031475         0   0.33410E-07  461616.7 3777425.8   460.8     3.70     1.67
2.89     YES
 L0031476         0   0.33410E-07  461613.3 3777426.9   460.9     3.70     1.67
2.89     YES
 L0031477         0   0.33410E-07  461609.9 3777428.0   461.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0031478         0   0.33410E-07  461606.5 3777429.1   461.1     3.70     1.67
2.89     YES
 L0031479         0   0.33410E-07  461603.0 3777430.2   461.2     3.70     1.67
2.89     YES
 L0031480         0   0.33410E-07  461599.6 3777431.3   461.3     3.70     1.67
2.89     YES
 L0031481         0   0.33410E-07  461596.2 3777432.4   461.4     3.70     1.67
2.89     YES
 L0031482         0   0.33410E-07  461592.7 3777433.5   461.5     3.70     1.67
2.89     YES
 L0031483         0   0.33410E-07  461589.3 3777434.6   461.5     3.70     1.67
2.89     YES
 L0031484         0   0.33410E-07  461585.9 3777435.7   461.6     3.70     1.67
2.89     YES
 L0031485         0   0.33410E-07  461582.5 3777436.8   461.6     3.70     1.67
2.89     YES
 L0031486         0   0.33410E-07  461579.0 3777437.9   461.7     3.70     1.67
```

2.89 YES							
L0031487	0	0.33410E-07	461575.6	3777439.0	461.7	3.70	1.67
2.89 YES							
L0031488	0	0.33410E-07	461572.2	3777440.1	461.8	3.70	1.67
2.89 YES							
L0031489	0	0.33410E-07	461568.7	3777441.1	461.9	3.70	1.67
2.89 YES							
L0031490	0	0.33410E-07	461565.2	3777442.0	462.0	3.70	1.67
2.89 YES							
L0031491	0	0.33410E-07	461561.8	3777442.9	462.1	3.70	1.67
2.89 YES							
L0031492	0	0.33410E-07	461558.3	3777443.9	462.2	3.70	1.67
2.89 YES							
L0031493	0	0.33410E-07	461554.8	3777444.8	462.3	3.70	1.67
2.89 YES							
L0031494	0	0.33410E-07	461551.3	3777445.8	462.4	3.70	1.67
2.89 YES							
L0031495	0	0.33410E-07	461547.9	3777446.7	462.5	3.70	1.67
2.89 YES							
L0031496	0	0.33410E-07	461544.4	3777447.7	462.6	3.70	1.67
2.89 YES							
L0031497	0	0.33410E-07	461540.9	3777448.6	462.7	3.70	1.67
2.89 YES							
L0031498	0	0.33410E-07	461537.4	3777449.6	462.8	3.70	1.67
2.89 YES							
L0031499	0	0.33410E-07	461534.0	3777450.5	462.9	3.70	1.67
2.89 YES							
L0031500	0	0.33410E-07	461530.5	3777451.5	463.0	3.70	1.67
2.89 YES							
L0031501	0	0.33410E-07	461527.0	3777452.4	463.1	3.70	1.67
2.89 YES							
L0031502	0	0.33410E-07	461523.5	3777453.1	463.1	3.70	1.67
2.89 YES							
L0031503	0	0.33410E-07	461519.9	3777453.2	463.2	3.70	1.67
2.89 YES							
L0031504	0	0.33410E-07	461516.3	3777453.3	463.2	3.70	1.67
2.89 YES							
L0031505	0	0.33410E-07	461512.7	3777453.4	463.3	3.70	1.67
2.89 YES							
L0031506	0	0.33410E-07	461509.1	3777453.4	463.4	3.70	1.67
2.89 YES							
L0031507	0	0.33410E-07	461505.5	3777453.5	463.4	3.70	1.67
2.89 YES							
L0031508	0	0.33410E-07	461501.9	3777453.6	463.5	3.70	1.67
2.89 YES							
L0031509	0	0.33410E-07	461498.3	3777453.7	463.5	3.70	1.67
2.89 YES							
L0031510	0	0.33410E-07	461494.7	3777453.8	463.6	3.70	1.67

2.89 YES
L0031511 0 0.33410E-07 461491.1 3777453.8 463.7 3.70 1.67
2.89 YES
L0031512 0 0.33410E-07 461487.5 3777453.9 463.7 3.70 1.67
2.89 YES
L0031513 0 0.33410E-07 461483.9 3777454.0 463.8 3.70 1.67
2.89 YES
L0031514 0 0.33410E-07 461480.3 3777454.1 463.9 3.70 1.67
2.89 YES
L0031515 0 0.33410E-07 461476.7 3777454.2 463.9 3.70 1.67
2.89 YES
L0031516 0 0.33410E-07 461473.1 3777454.2 464.0 3.70 1.67
2.89 YES
L0031517 0 0.33410E-07 461469.5 3777454.3 464.1 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0031518	0	0.33410E-07	461465.9	3777454.4	464.2	3.70	1.67	2.89	YES	
L0031519	0	0.33410E-07	461462.3	3777454.5	464.3	3.70	1.67	2.89	YES	
L0031520	0	0.33410E-07	461458.7	3777454.6	464.5	3.70	1.67	2.89	YES	
L0031521	0	0.33410E-07	461455.1	3777454.6	464.6	3.70	1.67	2.89	YES	
L0031522	0	0.33410E-07	461451.5	3777454.7	464.7	3.70	1.67	2.89	YES	
L0031523	0	0.33410E-07	461447.9	3777454.8	464.9	3.70	1.67	2.89	YES	
L0031524	0	0.33410E-07	461444.3	3777454.9	465.0	3.70	1.67			

2.89 YES							
L0031525	0	0.33410E-07	461440.7	3777455.0	465.1	3.70	1.67
2.89 YES							
L0031526	0	0.33410E-07	461437.1	3777455.0	465.2	3.70	1.67
2.89 YES							
L0031527	0	0.33410E-07	461433.5	3777455.1	465.4	3.70	1.67
2.89 YES							
L0031528	0	0.33410E-07	461429.9	3777455.2	465.5	3.70	1.67
2.89 YES							
L0031529	0	0.33410E-07	460943.1	3777341.5	463.3	3.70	1.67
2.89 YES							
L0031530	0	0.33410E-07	460946.7	3777341.2	463.2	3.70	1.67
2.89 YES							
L0031531	0	0.33410E-07	460950.3	3777340.9	463.2	3.70	1.67
2.89 YES							
L0031532	0	0.33410E-07	460953.9	3777340.6	463.2	3.70	1.67
2.89 YES							
L0031533	0	0.33410E-07	460957.5	3777340.3	463.1	3.70	1.67
2.89 YES							
L0031534	0	0.33410E-07	460961.1	3777340.0	463.1	3.70	1.67
2.89 YES							
L0031535	0	0.33410E-07	460964.7	3777339.7	463.1	3.70	1.67
2.89 YES							
L0031536	0	0.33410E-07	460968.3	3777339.5	463.0	3.70	1.67
2.89 YES							
L0031537	0	0.33410E-07	460971.8	3777339.2	463.0	3.70	1.67
2.89 YES							
L0031538	0	0.33410E-07	460975.4	3777338.9	463.0	3.70	1.67
2.89 YES							
L0031539	0	0.33410E-07	460979.0	3777338.6	462.9	3.70	1.67
2.89 YES							
L0031540	0	0.33410E-07	460982.6	3777338.3	462.9	3.70	1.67
2.89 YES							
L0031541	0	0.33410E-07	460986.2	3777338.0	462.9	3.70	1.67
2.89 YES							
L0031542	0	0.33410E-07	460989.8	3777337.7	462.8	3.70	1.67
2.89 YES							
L0031543	0	0.33410E-07	460993.4	3777337.4	462.8	3.70	1.67
2.89 YES							
L0031544	0	0.33410E-07	460997.0	3777337.1	462.8	3.70	1.67
2.89 YES							
L0031545	0	0.33410E-07	461000.5	3777336.8	462.7	3.70	1.67
2.89 YES							
L0031546	0	0.33410E-07	461004.1	3777336.6	462.7	3.70	1.67
2.89 YES							
L0031547	0	0.33410E-07	461007.7	3777336.3	462.7	3.70	1.67
2.89 YES							
L0031548	0	0.33410E-07	461011.3	3777336.0	462.6	3.70	1.67

```
2.89     YES
 L0031549         0   0.33410E-07  461014.9 3777335.7   462.6     3.70     1.67
2.89     YES
 L0031550         0   0.33410E-07  461018.5 3777335.3   462.5     3.70     1.67
2.89     YES
 L0031551         0   0.33410E-07  461022.1 3777334.9   462.5     3.70     1.67
2.89     YES
 L0031552         0   0.33410E-07  461025.6 3777334.5   462.5     3.70     1.67
2.89     YES
 L0031553         0   0.33410E-07  461029.2 3777334.2   462.4     3.70     1.67
2.89     YES
 L0031554         0   0.33410E-07  461032.8 3777333.8   462.4     3.70     1.67
2.89     YES
 L0031555         0   0.33410E-07  461036.4 3777333.4   462.3     3.70     1.67
2.89     YES
 L0031556         0   0.33410E-07  461040.0 3777333.0   462.3     3.70     1.67
2.89     YES
 L0031557         0   0.33410E-07  461043.5 3777332.6   462.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0031558         0   0.33410E-07  461047.1 3777332.3   462.2     3.70     1.67
2.89     YES
 L0031559         0   0.33410E-07  461050.7 3777331.9   462.2     3.70     1.67
2.89     YES
 L0031560         0   0.33410E-07  461054.3 3777331.5   462.1     3.70     1.67
2.89     YES
 L0031561         0   0.33410E-07  461057.9 3777331.1   462.1     3.70     1.67
2.89     YES
 L0031562         0   0.33410E-07  461061.4 3777330.7   462.1     3.70     1.67
```

2.89 YES							
L0031563	0	0.33410E-07	461065.0	3777330.4	462.0	3.70	1.67
2.89 YES							
L0031564	0	0.33410E-07	461068.6	3777330.0	462.0	3.70	1.67
2.89 YES							
L0031565	0	0.33410E-07	461072.2	3777329.6	461.9	3.70	1.67
2.89 YES							
L0031566	0	0.33410E-07	461075.8	3777329.2	461.9	3.70	1.67
2.89 YES							
L0031567	0	0.33410E-07	461079.3	3777328.7	461.8	3.70	1.67
2.89 YES							
L0031568	0	0.33410E-07	461082.9	3777328.2	461.8	3.70	1.67
2.89 YES							
L0031569	0	0.33410E-07	461086.4	3777327.6	461.7	3.70	1.67
2.89 YES							
L0031570	0	0.33410E-07	461090.0	3777327.0	461.7	3.70	1.67
2.89 YES							
L0031571	0	0.33410E-07	461093.5	3777326.5	461.6	3.70	1.67
2.89 YES							
L0031572	0	0.33410E-07	461097.1	3777325.9	461.6	3.70	1.67
2.89 YES							
L0031573	0	0.33410E-07	461100.7	3777325.3	461.5	3.70	1.67
2.89 YES							
L0031574	0	0.33410E-07	461104.2	3777324.8	461.5	3.70	1.67
2.89 YES							
L0031575	0	0.33410E-07	461107.8	3777324.2	461.4	3.70	1.67
2.89 YES							
L0031576	0	0.33410E-07	461111.3	3777323.6	461.4	3.70	1.67
2.89 YES							
L0031577	0	0.33410E-07	461114.9	3777323.1	461.3	3.70	1.67
2.89 YES							
L0031578	0	0.33410E-07	461118.4	3777322.5	461.3	3.70	1.67
2.89 YES							
L0031579	0	0.33410E-07	461122.0	3777321.9	461.2	3.70	1.67
2.89 YES							
L0031580	0	0.33410E-07	461125.5	3777321.4	461.2	3.70	1.67
2.89 YES							
L0031581	0	0.33410E-07	461129.1	3777320.8	461.1	3.70	1.67
2.89 YES							
L0031582	0	0.33410E-07	461132.7	3777320.2	461.1	3.70	1.67
2.89 YES							
L0031583	0	0.33410E-07	461136.2	3777319.7	461.0	3.70	1.67
2.89 YES							
L0031584	0	0.33410E-07	461139.8	3777319.1	460.9	3.70	1.67
2.89 YES							
L0031585	0	0.33410E-07	461143.3	3777318.4	460.9	3.70	1.67
2.89 YES							
L0031586	0	0.33410E-07	461146.7	3777317.4	460.9	3.70	1.67

```
2.89     YES
 L0031587         0   0.33410E-07  461150.2 3777316.3   460.8     3.70     1.67
2.89     YES
 L0031588         0   0.33410E-07  461153.6 3777315.3   460.8     3.70     1.67
2.89     YES
 L0031589         0   0.33410E-07  461157.1 3777314.3   460.7     3.70     1.67
2.89     YES
 L0031590         0   0.33410E-07  461160.5 3777313.2   460.7     3.70     1.67
2.89     YES
 L0031591         0   0.33410E-07  461164.0 3777312.2   460.7     3.70     1.67
2.89     YES
 L0031592         0   0.33410E-07  461167.4 3777311.2   460.7     3.70     1.67
2.89     YES
 L0031593         0   0.33410E-07  461170.9 3777310.1   460.7     3.70     1.67
2.89     YES
 L0031594         0   0.33410E-07  461174.3 3777309.1   460.8     3.70     1.67
2.89     YES
 L0031595         0   0.33410E-07  461177.8 3777308.1   460.8     3.70     1.67
2.89     YES
 L0031596         0   0.33410E-07  461181.2 3777307.1   460.8     3.70     1.67
2.89     YES
 L0031597         0   0.33410E-07  461184.7 3777306.0   460.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0031598         0   0.33410E-07  461188.1 3777305.0   460.8     3.70     1.67
2.89     YES
 L0031599         0   0.33410E-07  461191.6 3777304.0   460.9     3.70     1.67
2.89     YES
 L0031600         0   0.33410E-07  461194.9 3777302.7   460.9     3.70     1.67
```

2.89 YES							
L0031601	0	0.33410E-07	461198.3	3777301.4	460.9	3.70	1.67
2.89 YES							
L0031602	0	0.33410E-07	461201.7	3777300.1	460.9	3.70	1.67
2.89 YES							
L0031603	0	0.33410E-07	461205.0	3777298.9	460.9	3.70	1.67
2.89 YES							
L0031604	0	0.33410E-07	461208.4	3777297.6	460.9	3.70	1.67
2.89 YES							
L0031605	0	0.33410E-07	461211.8	3777296.3	460.9	3.70	1.67
2.89 YES							
L0031606	0	0.33410E-07	461215.1	3777295.1	461.0	3.70	1.67
2.89 YES							
L0031607	0	0.33410E-07	461218.5	3777293.8	461.0	3.70	1.67
2.89 YES							
L0031608	0	0.33410E-07	461221.9	3777292.5	461.0	3.70	1.67
2.89 YES							
L0031609	0	0.33410E-07	461225.2	3777291.2	461.0	3.70	1.67
2.89 YES							
L0031610	0	0.33410E-07	461228.6	3777290.0	461.0	3.70	1.67
2.89 YES							
L0031611	0	0.33410E-07	461232.0	3777288.7	461.0	3.70	1.67
2.89 YES							
L0031612	0	0.33410E-07	461235.4	3777287.4	461.0	3.70	1.67
2.89 YES							
L0031613	0	0.33410E-07	461238.7	3777286.1	461.0	3.70	1.67
2.89 YES							
L0031614	0	0.33410E-07	461242.1	3777284.9	461.0	3.70	1.67
2.89 YES							
L0031615	0	0.33410E-07	461245.5	3777283.6	461.1	3.70	1.67
2.89 YES							
L0031616	0	0.33410E-07	461248.8	3777282.3	461.1	3.70	1.67
2.89 YES							
L0031617	0	0.33410E-07	461252.2	3777281.1	461.1	3.70	1.67
2.89 YES							
L0031618	0	0.33410E-07	461255.6	3777279.8	461.1	3.70	1.67
2.89 YES							
L0031619	0	0.33410E-07	461259.0	3777278.7	461.1	3.70	1.67
2.89 YES							
L0031620	0	0.33410E-07	461262.5	3777277.8	461.1	3.70	1.67
2.89 YES							
L0031621	0	0.33410E-07	461266.0	3777277.0	461.2	3.70	1.67
2.89 YES							
L0031622	0	0.33410E-07	461269.5	3777276.2	461.2	3.70	1.67
2.89 YES							
L0031623	0	0.33410E-07	461273.0	3777275.4	461.2	3.70	1.67
2.89 YES							
L0031624	0	0.33410E-07	461276.5	3777274.6	461.2	3.70	1.67

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2.89     YES
 L0031625         0   0.33410E-07  461280.0 3777273.8   461.2     3.70     1.67
2.89     YES
 L0031626         0   0.33410E-07  461283.5 3777273.0   461.3     3.70     1.67
2.89     YES
 L0031627         0   0.33410E-07  461287.0 3777272.1   461.3     3.70     1.67
2.89     YES
 L0031628         0   0.33410E-07  461290.5 3777271.3   461.3     3.70     1.67
2.89     YES
 L0031629         0   0.33410E-07  461294.0 3777270.5   461.3     3.70     1.67
2.89     YES
 L0031630         0   0.33410E-07  461297.5 3777269.7   461.4     3.70     1.67
2.89     YES
 L0031631         0   0.33410E-07  461301.1 3777269.2   461.4     3.70     1.67
2.89     YES
 L0031632         0   0.33410E-07  461304.7 3777268.8   461.4     3.70     1.67
2.89     YES
 L0031633         0   0.33410E-07  461308.3 3777268.5   461.4     3.70     1.67
2.89     YES
 L0031634         0   0.33410E-07  461311.9 3777268.2   461.4     3.70     1.67
2.89     YES
 L0031635         0   0.33410E-07  461315.4 3777267.9   461.4     3.70     1.67
2.89     YES
 L0031636         0   0.33410E-07  461319.0 3777267.6   461.4     3.70     1.67
2.89     YES
 L0031637         0   0.33410E-07  461322.6 3777267.3   461.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                   PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0031638         0   0.33410E-07  461326.2 3777267.0   461.4     3.70     1.67
```

2.89 YES							
L0031639	0	0.33410E-07	461329.8	3777266.7	461.4	3.70	1.67
2.89 YES							
L0031640	0	0.33410E-07	461333.4	3777266.4	461.5	3.70	1.67
2.89 YES							
L0031641	0	0.33410E-07	461337.0	3777266.1	461.5	3.70	1.67
2.89 YES							
L0031642	0	0.33410E-07	461340.5	3777265.7	461.5	3.70	1.67
2.89 YES							
L0031643	0	0.33410E-07	461344.1	3777265.4	461.5	3.70	1.67
2.89 YES							
L0031644	0	0.33410E-07	461347.7	3777265.1	461.6	3.70	1.67
2.89 YES							
L0031645	0	0.33410E-07	461351.3	3777264.8	461.6	3.70	1.67
2.89 YES							
L0031646	0	0.33410E-07	461354.9	3777264.5	461.7	3.70	1.67
2.89 YES							
L0031647	0	0.33410E-07	461358.5	3777264.2	461.7	3.70	1.67
2.89 YES							
L0031648	0	0.33410E-07	461362.1	3777264.1	461.7	3.70	1.67
2.89 YES							
L0031649	0	0.33410E-07	461365.7	3777264.0	461.8	3.70	1.67
2.89 YES							
L0031650	0	0.33410E-07	461369.3	3777264.0	461.9	3.70	1.67
2.89 YES							
L0031651	0	0.33410E-07	461372.9	3777263.9	462.0	3.70	1.67
2.89 YES							
L0031652	0	0.33410E-07	461376.5	3777263.9	462.1	3.70	1.67
2.89 YES							
L0031653	0	0.33410E-07	461380.1	3777263.8	462.2	3.70	1.67
2.89 YES							
L0031654	0	0.33410E-07	461383.7	3777263.7	462.3	3.70	1.67
2.89 YES							
L0031655	0	0.33410E-07	461387.3	3777263.7	462.4	3.70	1.67
2.89 YES							
L0031656	0	0.33410E-07	461390.9	3777263.6	462.5	3.70	1.67
2.89 YES							
L0031657	0	0.33410E-07	461394.5	3777263.6	462.6	3.70	1.67
2.89 YES							
L0031658	0	0.33410E-07	461398.1	3777263.5	462.6	3.70	1.67
2.89 YES							
L0031659	0	0.33410E-07	461401.7	3777263.4	462.7	3.70	1.67
2.89 YES							
L0031660	0	0.33410E-07	461405.3	3777263.4	462.7	3.70	1.67
2.89 YES							
L0031661	0	0.31750E-07	461426.5	3777454.9	465.6	3.70	1.67
2.89 YES							
L0031662	0	0.31750E-07	461423.0	3777454.1	465.7	3.70	1.67

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2.89     YES
 L0031663         0   0.31750E-07  461419.5 3777453.3   465.9     3.70     1.67
2.89     YES
 L0031664         0   0.31750E-07  461416.0 3777452.5   465.9     3.70     1.67
2.89     YES
 L0031665         0   0.31750E-07  461414.1 3777449.5   465.9     3.70     1.67
2.89     YES
 L0031666         0   0.31750E-07  461412.4 3777446.3   465.8     3.70     1.67
2.89     YES
 L0031667         0   0.31750E-07  461410.6 3777443.2   465.7     3.70     1.67
2.89     YES
 L0031668         0   0.31750E-07  461409.3 3777439.9   465.7     3.70     1.67
2.89     YES
 L0031669         0   0.31750E-07  461409.3 3777436.3   465.7     3.70     1.67
2.89     YES
 L0031670         0   0.31750E-07  461409.3 3777432.7   465.6     3.70     1.67
2.89     YES
 L0031671         0   0.31750E-07  461409.2 3777429.1   465.4     3.70     1.67
2.89     YES
 L0031672         0   0.31750E-07  461409.2 3777425.5   465.3     3.70     1.67
2.89     YES
 L0031673         0   0.31750E-07  461409.2 3777421.9   465.1     3.70     1.67
2.89     YES
 L0031674         0   0.31750E-07  461409.2 3777418.3   465.0     3.70     1.67
2.89     YES
 L0031675         0   0.31750E-07  461409.1 3777414.7   464.8     3.70     1.67
2.89     YES
 L0031676         0   0.31750E-07  461409.1 3777411.1   464.7     3.70     1.67
2.89     YES
 L0031677         0   0.31750E-07  461409.1 3777407.5   464.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                   PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0031678	0	0.31750E-07	461409.1	3777403.9	464.4	3.70	1.67	2.89 YES
L0031679	0	0.31750E-07	461409.0	3777400.3	463.7	3.70	1.67	2.89 YES
L0031680	0	0.31750E-07	461409.0	3777396.7	463.1	3.70	1.67	2.89 YES
L0031681	0	0.31750E-07	461409.0	3777393.1	462.4	3.70	1.67	2.89 YES
L0031682	0	0.31750E-07	461409.0	3777389.5	461.8	3.70	1.67	2.89 YES
L0031683	0	0.31750E-07	461408.9	3777385.9	461.2	3.70	1.67	2.89 YES
L0031684	0	0.31750E-07	461408.9	3777382.3	460.5	3.70	1.67	2.89 YES
L0031685	0	0.31750E-07	461408.9	3777378.7	459.9	3.70	1.67	2.89 YES
L0031686	0	0.31750E-07	461408.9	3777375.1	459.2	3.70	1.67	2.89 YES
L0031687	0	0.31750E-07	461408.8	3777371.5	458.8	3.70	1.67	2.89 YES
L0031688	0	0.31750E-07	461408.8	3777367.9	458.6	3.70	1.67	2.89 YES
L0031689	0	0.31750E-07	461408.8	3777364.3	458.5	3.70	1.67	2.89 YES
L0031690	0	0.31750E-07	461408.8	3777360.7	458.3	3.70	1.67	2.89 YES
L0031691	0	0.31750E-07	461408.7	3777357.1	458.1	3.70	1.67	2.89 YES
L0031692	0	0.31750E-07	461408.7	3777353.5	458.0	3.70	1.67	2.89 YES
L0031693	0	0.31750E-07	461408.7	3777349.9	457.8	3.70	1.67	2.89 YES
L0031694	0	0.31750E-07	461408.7	3777346.3	457.6	3.70	1.67	2.89 YES
L0031695	0	0.31750E-07	461408.6	3777342.7	457.4	3.70	1.67	2.89 YES
L0031696	0	0.31750E-07	461408.6	3777339.1	457.8	3.70	1.67	2.89 YES
L0031697	0	0.31750E-07	461408.6	3777335.5	458.2	3.70	1.67	2.89 YES
L0031698	0	0.31750E-07	461408.6	3777331.9	458.6	3.70	1.67	2.89 YES
L0031699	0	0.31750E-07	461408.5	3777328.3	459.1	3.70	1.67	2.89 YES
L0031700	0	0.31750E-07	461408.5	3777324.7	459.5	3.70	1.67	

```
2.89     YES
 L0031701         0   0.31750E-07  461408.5 3777321.1   459.9     3.70     1.67
2.89     YES
 L0031702         0   0.31750E-07  461408.5 3777317.5   460.3     3.70     1.67
2.89     YES
 L0031703         0   0.31750E-07  461408.4 3777313.9   460.7     3.70     1.67
2.89     YES
 L0031704         0   0.31750E-07  461408.4 3777310.3   461.1     3.70     1.67
2.89     YES
 L0031705         0   0.31750E-07  461408.4 3777306.7   461.3     3.70     1.67
2.89     YES
 L0031706         0   0.31750E-07  461408.4 3777303.1   461.5     3.70     1.67
2.89     YES
 L0031707         0   0.31750E-07  461408.4 3777299.5   461.8     3.70     1.67
2.89     YES
 L0031708         0   0.31750E-07  461408.3 3777295.9   462.0     3.70     1.67
2.89     YES
 L0031709         0   0.31750E-07  461408.3 3777292.3   462.2     3.70     1.67
2.89     YES
 L0031710         0   0.31750E-07  461408.3 3777288.7   462.5     3.70     1.67
2.89     YES
 L0031711         0   0.31750E-07  461408.3 3777285.1   462.7     3.70     1.67
2.89     YES
 L0031712         0   0.31750E-07  461408.2 3777281.5   462.9     3.70     1.67
2.89     YES
 L0031713         0   0.31750E-07  461408.2 3777277.9   463.0     3.70     1.67
2.89     YES
 L0031714         0   0.31750E-07  461408.2 3777274.3   462.9     3.70     1.67
2.89     YES
 L0031715         0   0.31750E-07  461408.2 3777270.7   462.9     3.70     1.67
2.89     YES
 L0031716         0   0.31750E-07  461408.1 3777267.1   462.8     3.70     1.67
2.89     YES
 L0031717         0   0.31750E-07  461408.1 3777263.5   462.8     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE

SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ SOURCE VARY BY
L0031718	0	0.37020E-07	461422.3	3777263.0	462.7	3.70	1.67	2.89 YES
L0031719	0	0.37020E-07	461425.9	3777263.0	462.6	3.70	1.67	2.89 YES
L0031720	0	0.37020E-07	461429.5	3777263.0	462.4	3.70	1.67	2.89 YES
L0031721	0	0.37020E-07	461433.1	3777263.0	462.3	3.70	1.67	2.89 YES
L0031722	0	0.37020E-07	461436.7	3777263.0	462.2	3.70	1.67	2.89 YES
L0031723	0	0.37020E-07	461440.3	3777263.0	462.1	3.70	1.67	2.89 YES
L0031724	0	0.37020E-07	461443.9	3777263.1	461.9	3.70	1.67	2.89 YES
L0031725	0	0.37020E-07	461447.5	3777263.1	461.8	3.70	1.67	2.89 YES
L0031726	0	0.37020E-07	461451.1	3777263.1	461.7	3.70	1.67	2.89 YES
L0031727	0	0.37020E-07	461454.7	3777263.1	461.5	3.70	1.67	2.89 YES
L0031728	0	0.37020E-07	461458.3	3777263.1	461.4	3.70	1.67	2.89 YES
L0031729	0	0.37020E-07	461461.9	3777263.1	461.2	3.70	1.67	2.89 YES
L0031730	0	0.37020E-07	461465.5	3777263.1	461.1	3.70	1.67	2.89 YES
L0031731	0	0.37020E-07	461469.1	3777263.1	461.0	3.70	1.67	2.89 YES
L0031732	0	0.37020E-07	461472.7	3777263.2	460.9	3.70	1.67	2.89 YES
L0031733	0	0.37020E-07	461476.3	3777263.2	460.9	3.70	1.67	2.89 YES
L0031734	0	0.37020E-07	461479.9	3777263.2	460.8	3.70	1.67	2.89 YES
L0031735	0	0.37020E-07	461483.5	3777263.2	460.7	3.70	1.67	2.89 YES
L0031736	0	0.37020E-07	461487.1	3777263.2	460.7	3.70	1.67	2.89 YES
L0031737	0	0.37020E-07	461490.7	3777263.4	460.6	3.70	1.67	2.89 YES
L0031738	0	0.37020E-07	461494.3	3777263.7	460.5	3.70	1.67	

```
2.89     YES
 L0031739         0   0.37020E-07  461497.8 3777264.0   460.4     3.70     1.67
2.89     YES
 L0031740         0   0.37020E-07  461501.4 3777264.2   460.4     3.70     1.67
2.89     YES
 L0031741         0   0.37020E-07  461505.0 3777264.5   460.3     3.70     1.67
2.89     YES
 L0031742         0   0.37020E-07  461508.6 3777264.8   460.2     3.70     1.67
2.89     YES
 L0031743         0   0.37020E-07  461512.2 3777265.0   460.1     3.70     1.67
2.89     YES
 L0031744         0   0.37020E-07  461515.8 3777265.3   460.0     3.70     1.67
2.89     YES
 L0031745         0   0.37020E-07  461519.4 3777265.5   460.0     3.70     1.67
2.89     YES
 L0031746         0   0.37020E-07  461523.0 3777265.8   459.9     3.70     1.67
2.89     YES
 L0031747         0   0.37020E-07  461526.6 3777266.1   459.8     3.70     1.67
2.89     YES
 L0031748         0   0.37020E-07  461530.2 3777266.3   459.8     3.70     1.67
2.89     YES
 L0031749         0   0.37020E-07  461533.8 3777266.6   459.7     3.70     1.67
2.89     YES
 L0031750         0   0.37020E-07  461537.3 3777266.8   459.6     3.70     1.67
2.89     YES
 L0031751         0   0.37020E-07  461540.9 3777267.1   459.5     3.70     1.67
2.89     YES
 L0031752         0   0.37020E-07  461544.5 3777267.4   459.5     3.70     1.67
2.89     YES
 L0031753         0   0.37020E-07  461548.0 3777268.5   459.4     3.70     1.67
2.89     YES
 L0031754         0   0.37020E-07  461551.4 3777269.5   459.3     3.70     1.67
2.89     YES
 L0031755         0   0.37020E-07  461554.8 3777270.6   459.2     3.70     1.67
2.89     YES
 L0031756         0   0.37020E-07  461558.3 3777271.6   459.1     3.70     1.67
2.89     YES
 L0031757         0   0.37020E-07  461561.7 3777272.7   459.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0031758	0	0.37020E-07	461565.2	3777273.7	458.9	3.70	1.67	2.89	YES
L0031759	0	0.37020E-07	461568.6	3777274.8	458.8	3.70	1.67	2.89	YES
L0031760	0	0.37020E-07	461572.0	3777275.9	458.7	3.70	1.67	2.89	YES
L0031761	0	0.37020E-07	461575.5	3777276.9	458.6	3.70	1.67	2.89	YES
L0031762	0	0.37020E-07	461578.9	3777278.0	458.5	3.70	1.67	2.89	YES
L0031763	0	0.37020E-07	461582.4	3777279.0	458.4	3.70	1.67	2.89	YES
L0031764	0	0.37020E-07	461585.8	3777280.1	458.3	3.70	1.67	2.89	YES
L0031765	0	0.37020E-07	461589.3	3777281.1	458.1	3.70	1.67	2.89	YES
L0031766	0	0.37020E-07	461592.7	3777282.2	458.0	3.70	1.67	2.89	YES
L0031767	0	0.37020E-07	461596.1	3777283.2	457.9	3.70	1.67	2.89	YES
L0031768	0	0.37020E-07	461599.6	3777284.3	457.8	3.70	1.67	2.89	YES
L0031769	0	0.37020E-07	461603.0	3777285.4	457.7	3.70	1.67	2.89	YES
L0031770	0	0.37020E-07	461606.5	3777286.4	457.6	3.70	1.67	2.89	YES
L0031771	0	0.37020E-07	461609.9	3777287.5	457.5	3.70	1.67	2.89	YES
L0031772	0	0.37020E-07	461613.3	3777288.5	457.4	3.70	1.67	2.89	YES
L0031773	0	0.37020E-07	461616.8	3777289.6	457.3	3.70	1.67	2.89	YES
L0031774	0	0.37020E-07	461620.2	3777290.6	457.2	3.70	1.67	2.89	YES
L0031775	0	0.37020E-07	461623.7	3777291.7	457.1	3.70	1.67	2.89	YES
L0031776	0	0.37020E-07	461627.1	3777292.8	457.1	3.70	1.67		

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2.89     YES
 L0031777         0   0.37020E-07  461630.6 3777293.7   457.0     3.70     1.67
2.89     YES
 L0031778         0   0.37020E-07  461634.1 3777294.6   457.0     3.70     1.67
2.89     YES
 L0031779         0   0.37020E-07  461637.6 3777295.5   456.9     3.70     1.67
2.89     YES
 L0031780         0   0.37020E-07  461641.0 3777296.4   456.8     3.70     1.67
2.89     YES
 L0031781         0   0.37020E-07  461644.5 3777297.3   456.8     3.70     1.67
2.89     YES
 L0031782         0   0.37020E-07  461648.0 3777298.2   456.7     3.70     1.67
2.89     YES
 L0031783         0   0.37020E-07  461651.5 3777299.1   456.6     3.70     1.67
2.89     YES
 L0031784         0   0.37020E-07  461655.0 3777300.0   456.6     3.70     1.67
2.89     YES
 L0031785         0   0.37020E-07  461658.5 3777300.9   456.5     3.70     1.67
2.89     YES
 L0031786         0   0.37020E-07  461661.9 3777301.9   456.4     3.70     1.67
2.89     YES
 L0031787         0   0.37020E-07  461665.4 3777302.8   456.3     3.70     1.67
2.89     YES
 L0031788         0   0.37020E-07  461668.9 3777303.7   456.2     3.70     1.67
2.89     YES
 L0031789         0   0.37020E-07  461672.4 3777304.6   456.1     3.70     1.67
2.89     YES
 L0031790         0   0.37020E-07  461675.9 3777305.5   456.0     3.70     1.67
2.89     YES
 L0031791         0   0.37020E-07  461679.4 3777306.4   455.9     3.70     1.67
2.89     YES
 L0031792         0   0.37020E-07  461682.8 3777307.3   455.8     3.70     1.67
2.89     YES
 L0031793         0   0.37020E-07  461686.3 3777308.2   455.7     3.70     1.67
2.89     YES
 L0031794         0   0.37020E-07  461689.8 3777309.1   455.6     3.70     1.67
2.89     YES
 L0031795         0   0.37020E-07  461693.3 3777310.0   455.4     3.70     1.67
2.89     YES
 L0031796         0   0.37020E-07  461696.8 3777310.9   455.4     3.70     1.67
2.89     YES
 L0031797         0   0.37020E-07  461700.3 3777311.9   455.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031798	0	0.37020E-07	461703.7	3777312.8	455.3	3.70	1.67	2.89	YES	
L0031799	0	0.37020E-07	461707.2	3777313.7	455.3	3.70	1.67	2.89	YES	
L0031800	0	0.37020E-07	461710.7	3777314.6	455.3	3.70	1.67	2.89	YES	
L0031801	0	0.37020E-07	461714.2	3777315.5	455.3	3.70	1.67	2.89	YES	
L0031802	0	0.37020E-07	461717.7	3777316.4	455.2	3.70	1.67	2.89	YES	
L0031803	0	0.37020E-07	461721.2	3777317.3	455.2	3.70	1.67	2.89	YES	
L0031804	0	0.37020E-07	461724.7	3777317.9	455.2	3.70	1.67	2.89	YES	
L0031805	0	0.37020E-07	461728.3	3777318.4	455.2	3.70	1.67	2.89	YES	
L0031806	0	0.37020E-07	461731.8	3777318.9	455.2	3.70	1.67	2.89	YES	
L0031807	0	0.37020E-07	461735.4	3777319.4	455.2	3.70	1.67	2.89	YES	
L0031808	0	0.37020E-07	461739.0	3777319.9	455.2	3.70	1.67	2.89	YES	
L0031809	0	0.37020E-07	461742.5	3777320.3	455.2	3.70	1.67	2.89	YES	
L0031810	0	0.37020E-07	461746.1	3777320.8	455.1	3.70	1.67	2.89	YES	
L0031811	0	0.37020E-07	461749.7	3777321.3	455.1	3.70	1.67	2.89	YES	
L0031812	0	0.37020E-07	461753.2	3777321.8	455.1	3.70	1.67	2.89	YES	
L0031813	0	0.37020E-07	461756.8	3777322.2	455.1	3.70	1.67	2.89	YES	
L0031814	0	0.37020E-07	461760.4	3777322.7	455.1	3.70	1.67			

2.89 YES
L0031815 0 0.37020E-07 461763.9 3777323.2 455.1 3.70 1.67
2.89 YES
L0031816 0 0.37020E-07 461767.5 3777323.7 455.0 3.70 1.67
2.89 YES
L0031817 0 0.37020E-07 461771.1 3777324.2 455.0 3.70 1.67
2.89 YES
L0031818 0 0.37020E-07 461774.7 3777324.6 455.0 3.70 1.67
2.89 YES
L0031819 0 0.37020E-07 461778.2 3777325.1 455.0 3.70 1.67
2.89 YES
L0031820 0 0.37020E-07 461781.8 3777325.6 455.0 3.70 1.67
2.89 YES
L0031821 0 0.37020E-07 461785.4 3777326.1 455.0 3.70 1.67
2.89 YES
L0031822 0 0.37020E-07 461788.9 3777326.5 455.0 3.70 1.67
2.89 YES
L0031823 0 0.37020E-07 461792.5 3777326.8 455.0 3.70 1.67
2.89 YES
L0031824 0 0.37020E-07 461796.1 3777327.1 455.0 3.70 1.67
2.89 YES
L0031825 0 0.37020E-07 461799.7 3777327.4 455.0 3.70 1.67
2.89 YES
L0031826 0 0.37020E-07 461803.3 3777327.7 455.0 3.70 1.67
2.89 YES
L0031827 0 0.37020E-07 461806.9 3777328.0 455.0 3.70 1.67
2.89 YES
L0031828 0 0.37020E-07 461810.5 3777328.3 455.1 3.70 1.67
2.89 YES
L0031829 0 0.37020E-07 461814.0 3777328.6 455.1 3.70 1.67
2.89 YES
L0031830 0 0.37020E-07 461817.6 3777328.9 455.1 3.70 1.67
2.89 YES
L0031831 0 0.37020E-07 461821.2 3777329.2 455.1 3.70 1.67
2.89 YES
L0031832 0 0.37020E-07 461824.8 3777329.5 455.1 3.70 1.67
2.89 YES
L0031833 0 0.37020E-07 461828.4 3777329.7 455.0 3.70 1.67
2.89 YES
L0031834 0 0.37020E-07 461832.0 3777330.0 455.0 3.70 1.67
2.89 YES
L0031835 0 0.37020E-07 461835.6 3777330.1 455.0 3.70 1.67
2.89 YES
L0031836 0 0.37020E-07 461839.2 3777330.1 455.0 3.70 1.67
2.89 YES
L0031837 0 0.37020E-07 461842.8 3777330.2 455.0 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY BY
L0031838	0	0.37020E-07	461846.4	3777330.2	455.0	3.70	1.67	2.89	YES	
L0031839	0	0.37020E-07	461850.0	3777330.2	455.0	3.70	1.67	2.89	YES	
L0031840	0	0.37020E-07	461853.6	3777330.2	454.9	3.70	1.67	2.89	YES	
L0031841	0	0.37020E-07	461857.2	3777330.3	454.9	3.70	1.67	2.89	YES	
L0031842	0	0.37020E-07	461860.8	3777330.3	454.9	3.70	1.67	2.89	YES	
L0031843	0	0.37020E-07	461864.4	3777330.3	454.9	3.70	1.67	2.89	YES	
L0031844	0	0.37020E-07	461868.0	3777330.3	454.8	3.70	1.67	2.89	YES	
L0031845	0	0.37020E-07	461871.6	3777330.3	454.8	3.70	1.67	2.89	YES	
L0031846	0	0.37020E-07	461875.2	3777330.4	454.8	3.70	1.67	2.89	YES	
L0031847	0	0.37020E-07	461878.8	3777330.4	454.8	3.70	1.67	2.89	YES	
L0031848	0	0.37020E-07	461882.4	3777330.4	454.7	3.70	1.67	2.89	YES	
L0031849	0	0.37020E-07	461886.0	3777330.4	454.7	3.70	1.67	2.89	YES	
L0031850	0	0.37020E-07	461889.6	3777330.5	454.7	3.70	1.67	2.89	YES	
L0031851	0	0.37020E-07	461893.2	3777330.5	454.6	3.70	1.67	2.89	YES	
L0031852	0	0.37020E-07	461896.8	3777330.5	454.6	3.70	1.67			

2.89 YES							
L0031853	0	0.37020E-07	461900.4	3777330.5	454.6	3.70	1.67
2.89 YES							
L0031854	0	0.37020E-07	461904.0	3777330.6	454.5	3.70	1.67
2.89 YES							
L0031855	0	0.37020E-07	461907.6	3777330.6	454.5	3.70	1.67
2.89 YES							
L0031856	0	0.37020E-07	461911.2	3777330.6	454.5	3.70	1.67
2.89 YES							
L0031857	0	0.37020E-07	461914.8	3777330.6	454.4	3.70	1.67
2.89 YES							
L0031858	0	0.37020E-07	461918.4	3777330.7	454.4	3.70	1.67
2.89 YES							
L0031859	0	0.31760E-07	461420.7	3777267.1	462.8	3.70	1.67
2.89 YES							
L0031860	0	0.31760E-07	461420.7	3777270.7	462.8	3.70	1.67
2.89 YES							
L0031861	0	0.31760E-07	461420.7	3777274.3	462.9	3.70	1.67
2.89 YES							
L0031862	0	0.31760E-07	461420.7	3777277.9	462.9	3.70	1.67
2.89 YES							
L0031863	0	0.31760E-07	461420.7	3777281.5	462.9	3.70	1.67
2.89 YES							
L0031864	0	0.31760E-07	461420.7	3777285.1	462.7	3.70	1.67
2.89 YES							
L0031865	0	0.31760E-07	461420.7	3777288.7	462.4	3.70	1.67
2.89 YES							
L0031866	0	0.31760E-07	461420.7	3777292.3	462.2	3.70	1.67
2.89 YES							
L0031867	0	0.31760E-07	461420.7	3777295.9	462.0	3.70	1.67
2.89 YES							
L0031868	0	0.31760E-07	461420.7	3777299.5	461.7	3.70	1.67
2.89 YES							
L0031869	0	0.31760E-07	461420.7	3777303.1	461.5	3.70	1.67
2.89 YES							
L0031870	0	0.31760E-07	461420.7	3777306.7	461.2	3.70	1.67
2.89 YES							
L0031871	0	0.31760E-07	461420.7	3777310.3	461.0	3.70	1.67
2.89 YES							
L0031872	0	0.31760E-07	461420.7	3777313.9	460.7	3.70	1.67
2.89 YES							
L0031873	0	0.31760E-07	461420.7	3777317.5	460.2	3.70	1.67
2.89 YES							
L0031874	0	0.31760E-07	461420.7	3777321.1	459.8	3.70	1.67
2.89 YES							
L0031875	0	0.31760E-07	461420.7	3777324.7	459.4	3.70	1.67
2.89 YES							
L0031876	0	0.31760E-07	461420.7	3777328.3	459.0	3.70	1.67

```
2.89     YES
 L0031877         0   0.31760E-07  461420.7 3777331.9   458.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***       09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                    PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0031878         0   0.31760E-07  461420.7 3777335.5   458.1     3.70     1.67
2.89     YES
 L0031879         0   0.31760E-07  461420.7 3777339.1   457.7     3.70     1.67
2.89     YES
 L0031880         0   0.31760E-07  461420.7 3777342.7   457.3     3.70     1.67
2.89     YES
 L0031881         0   0.31760E-07  461420.7 3777346.3   457.5     3.70     1.67
2.89     YES
 L0031882         0   0.31760E-07  461420.7 3777349.9   457.7     3.70     1.67
2.89     YES
 L0031883         0   0.31760E-07  461420.7 3777353.5   457.9     3.70     1.67
2.89     YES
 L0031884         0   0.31760E-07  461420.7 3777357.1   458.1     3.70     1.67
2.89     YES
 L0031885         0   0.31760E-07  461420.7 3777360.7   458.2     3.70     1.67
2.89     YES
 L0031886         0   0.31760E-07  461420.7 3777364.3   458.4     3.70     1.67
2.89     YES
 L0031887         0   0.31760E-07  461420.7 3777367.9   458.6     3.70     1.67
2.89     YES
 L0031888         0   0.31760E-07  461420.7 3777371.5   458.8     3.70     1.67
2.89     YES
 L0031889         0   0.31760E-07  461420.7 3777375.1   459.2     3.70     1.67
2.89     YES
 L0031890         0   0.31760E-07  461420.7 3777378.7   459.9     3.70     1.67
```

2.89 YES							
L0031891	0	0.31760E-07	461420.7	3777382.3	460.5	3.70	1.67
2.89 YES							
L0031892	0	0.31760E-07	461420.7	3777385.9	461.2	3.70	1.67
2.89 YES							
L0031893	0	0.31760E-07	461420.7	3777389.5	461.8	3.70	1.67
2.89 YES							
L0031894	0	0.31760E-07	461420.7	3777393.1	462.5	3.70	1.67
2.89 YES							
L0031895	0	0.31760E-07	461420.7	3777396.7	463.2	3.70	1.67
2.89 YES							
L0031896	0	0.31760E-07	461420.7	3777400.3	463.8	3.70	1.67
2.89 YES							
L0031897	0	0.31760E-07	461420.7	3777403.9	464.5	3.70	1.67
2.89 YES							
L0031898	0	0.31760E-07	461420.7	3777407.5	464.6	3.70	1.67
2.89 YES							
L0031899	0	0.31760E-07	461420.7	3777411.1	464.8	3.70	1.67
2.89 YES							
L0031900	0	0.31760E-07	461420.7	3777414.7	464.9	3.70	1.67
2.89 YES							
L0031901	0	0.31760E-07	461420.7	3777418.3	465.1	3.70	1.67
2.89 YES							
L0031902	0	0.31760E-07	461420.7	3777421.9	465.2	3.70	1.67
2.89 YES							
L0031903	0	0.31760E-07	461420.7	3777425.5	465.3	3.70	1.67
2.89 YES							
L0031904	0	0.31760E-07	461420.7	3777429.1	465.5	3.70	1.67
2.89 YES							
L0031905	0	0.31760E-07	461420.7	3777432.7	465.6	3.70	1.67
2.89 YES							
L0031906	0	0.31760E-07	461420.7	3777436.3	465.7	3.70	1.67
2.89 YES							
L0031907	0	0.31760E-07	461420.7	3777439.9	465.7	3.70	1.67
2.89 YES							
L0031908	0	0.31760E-07	461420.7	3777443.5	465.8	3.70	1.67
2.89 YES							
L0031909	0	0.31760E-07	461420.7	3777447.1	465.8	3.70	1.67
2.89 YES							
L0031910	0	0.37110E-07	461401.0	3777456.1	465.6	3.70	1.67
2.89 YES							
L0031911	0	0.37110E-07	461397.4	3777456.1	465.5	3.70	1.67
2.89 YES							
L0031912	0	0.37110E-07	461393.8	3777456.1	465.4	3.70	1.67
2.89 YES							
L0031913	0	0.37110E-07	461390.2	3777456.1	465.3	3.70	1.67
2.89 YES							
L0031914	0	0.37110E-07	461386.6	3777456.1	465.2	3.70	1.67

2.89 YES
L0031915 0 0.37110E-07 461383.0 3777456.1 465.2 3.70 1.67
2.89 YES
L0031916 0 0.37110E-07 461379.4 3777456.1 465.1 3.70 1.67
2.89 YES
L0031917 0 0.37110E-07 461375.8 3777456.0 465.0 3.70 1.67
2.89 YES
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0031918	0	0.37110E-07	461372.2	3777456.0	464.9	3.70	1.67	2.89	YES	
L0031919	0	0.37110E-07	461368.6	3777456.0	464.9	3.70	1.67	2.89	YES	
L0031920	0	0.37110E-07	461365.0	3777456.0	464.8	3.70	1.67	2.89	YES	
L0031921	0	0.37110E-07	461361.4	3777455.9	464.8	3.70	1.67	2.89	YES	
L0031922	0	0.37110E-07	461357.8	3777455.7	464.8	3.70	1.67	2.89	YES	
L0031923	0	0.37110E-07	461354.3	3777455.5	464.7	3.70	1.67	2.89	YES	
L0031924	0	0.37110E-07	461350.7	3777455.2	464.7	3.70	1.67	2.89	YES	
L0031925	0	0.37110E-07	461347.1	3777455.0	464.7	3.70	1.67	2.89	YES	
L0031926	0	0.37110E-07	461343.5	3777454.7	464.7	3.70	1.67	2.89	YES	
L0031927	0	0.37110E-07	461339.9	3777454.5	464.6	3.70	1.67	2.89	YES	
L0031928	0	0.37110E-07	461336.3	3777454.2	464.6	3.70	1.67			

2.89 YES							
L0031929	0	0.37110E-07	461332.7	3777454.0	464.6	3.70	1.67
2.89 YES							
L0031930	0	0.37110E-07	461329.1	3777453.8	464.6	3.70	1.67
2.89 YES							
L0031931	0	0.37110E-07	461325.5	3777453.5	464.6	3.70	1.67
2.89 YES							
L0031932	0	0.37110E-07	461321.9	3777453.3	464.5	3.70	1.67
2.89 YES							
L0031933	0	0.37110E-07	461318.3	3777453.0	464.5	3.70	1.67
2.89 YES							
L0031934	0	0.37110E-07	461314.7	3777452.8	464.5	3.70	1.67
2.89 YES							
L0031935	0	0.37110E-07	461311.2	3777452.1	464.5	3.70	1.67
2.89 YES							
L0031936	0	0.37110E-07	461307.7	3777451.4	464.5	3.70	1.67
2.89 YES							
L0031937	0	0.37110E-07	461304.1	3777450.7	464.4	3.70	1.67
2.89 YES							
L0031938	0	0.37110E-07	461300.6	3777450.0	464.4	3.70	1.67
2.89 YES							
L0031939	0	0.37110E-07	461297.1	3777449.3	464.4	3.70	1.67
2.89 YES							
L0031940	0	0.37110E-07	461293.5	3777448.6	464.4	3.70	1.67
2.89 YES							
L0031941	0	0.37110E-07	461290.0	3777447.9	464.3	3.70	1.67
2.89 YES							
L0031942	0	0.37110E-07	461286.5	3777447.2	464.3	3.70	1.67
2.89 YES							
L0031943	0	0.37110E-07	461283.0	3777446.5	464.3	3.70	1.67
2.89 YES							
L0031944	0	0.37110E-07	461279.5	3777445.6	464.3	3.70	1.67
2.89 YES							
L0031945	0	0.37110E-07	461276.0	3777444.5	464.2	3.70	1.67
2.89 YES							
L0031946	0	0.37110E-07	461272.6	3777443.5	464.2	3.70	1.67
2.89 YES							
L0031947	0	0.37110E-07	461269.2	3777442.4	464.1	3.70	1.67
2.89 YES							
L0031948	0	0.37110E-07	461265.7	3777441.3	464.1	3.70	1.67
2.89 YES							
L0031949	0	0.37110E-07	461262.3	3777440.2	464.0	3.70	1.67
2.89 YES							
L0031950	0	0.37110E-07	461258.9	3777439.2	464.0	3.70	1.67
2.89 YES							
L0031951	0	0.37110E-07	461255.4	3777438.1	463.9	3.70	1.67
2.89 YES							
L0031952	0	0.37110E-07	461252.0	3777437.0	463.9	3.70	1.67

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2.89     YES
 L0031953         0   0.37110E-07  461248.6 3777436.0   463.9     3.70     1.67
2.89     YES
 L0031954         0   0.37110E-07  461245.1 3777434.9   463.8     3.70     1.67
2.89     YES
 L0031955         0   0.37110E-07  461241.7 3777433.8   463.8     3.70     1.67
2.89     YES
 L0031956         0   0.37110E-07  461238.2 3777432.7   463.8     3.70     1.67
2.89     YES
 L0031957         0   0.37110E-07  461234.8 3777431.7   463.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0031958         0   0.37110E-07  461231.4 3777430.6   463.7     3.70     1.67
2.89     YES
 L0031959         0   0.37110E-07  461227.9 3777429.5   463.7     3.70     1.67
2.89     YES
 L0031960         0   0.37110E-07  461224.5 3777428.5   463.7     3.70     1.67
2.89     YES
 L0031961         0   0.37110E-07  461221.0 3777427.4   463.7     3.70     1.67
2.89     YES
 L0031962         0   0.37110E-07  461217.6 3777426.4   463.6     3.70     1.67
2.89     YES
 L0031963         0   0.37110E-07  461214.1 3777425.4   463.6     3.70     1.67
2.89     YES
 L0031964         0   0.37110E-07  461210.7 3777424.4   463.6     3.70     1.67
2.89     YES
 L0031965         0   0.37110E-07  461207.2 3777423.4   463.5     3.70     1.67
2.89     YES
 L0031966         0   0.37110E-07  461203.8 3777422.4   463.5     3.70     1.67
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2.89 YES							
L0031967	0	0.37110E-07	461200.3	3777421.4	463.5	3.70	1.67
2.89 YES							
L0031968	0	0.37110E-07	461196.9	3777420.3	463.4	3.70	1.67
2.89 YES							
L0031969	0	0.37110E-07	461193.4	3777419.3	463.4	3.70	1.67
2.89 YES							
L0031970	0	0.37110E-07	461190.0	3777418.3	463.4	3.70	1.67
2.89 YES							
L0031971	0	0.37110E-07	461186.5	3777417.3	463.3	3.70	1.67
2.89 YES							
L0031972	0	0.37110E-07	461183.0	3777416.3	463.3	3.70	1.67
2.89 YES							
L0031973	0	0.37110E-07	461179.6	3777415.3	463.3	3.70	1.67
2.89 YES							
L0031974	0	0.37110E-07	461176.1	3777414.3	463.2	3.70	1.67
2.89 YES							
L0031975	0	0.37110E-07	461172.7	3777413.3	463.2	3.70	1.67
2.89 YES							
L0031976	0	0.37110E-07	461169.2	3777412.3	463.2	3.70	1.67
2.89 YES							
L0031977	0	0.37110E-07	461165.7	3777411.7	463.2	3.70	1.67
2.89 YES							
L0031978	0	0.37110E-07	461162.1	3777411.0	463.2	3.70	1.67
2.89 YES							
L0031979	0	0.37110E-07	461158.6	3777410.3	463.2	3.70	1.67
2.89 YES							
L0031980	0	0.37110E-07	461155.1	3777409.6	463.2	3.70	1.67
2.89 YES							
L0031981	0	0.37110E-07	461151.5	3777409.0	463.2	3.70	1.67
2.89 YES							
L0031982	0	0.37110E-07	461148.0	3777408.3	463.2	3.70	1.67
2.89 YES							
L0031983	0	0.37110E-07	461144.5	3777407.6	463.1	3.70	1.67
2.89 YES							
L0031984	0	0.37110E-07	461140.9	3777406.9	463.1	3.70	1.67
2.89 YES							
L0031985	0	0.37110E-07	461137.4	3777406.2	463.1	3.70	1.67
2.89 YES							
L0031986	0	0.37110E-07	461133.8	3777405.6	463.1	3.70	1.67
2.89 YES							
L0031987	0	0.37110E-07	461130.3	3777404.9	463.1	3.70	1.67
2.89 YES							
L0031988	0	0.37110E-07	461126.8	3777404.2	463.2	3.70	1.67
2.89 YES							
L0031989	0	0.37110E-07	461123.2	3777403.5	463.2	3.70	1.67
2.89 YES							
L0031990	0	0.37110E-07	461119.7	3777402.8	463.2	3.70	1.67

2.89 YES
L0031991 0 0.37110E-07 461116.2 3777402.2 463.3 3.70 1.67
2.89 YES
L0031992 0 0.37110E-07 461112.6 3777401.5 463.3 3.70 1.67
2.89 YES
L0031993 0 0.37110E-07 461109.1 3777400.8 463.3 3.70 1.67
2.89 YES
L0031994 0 0.37110E-07 461105.6 3777400.1 463.4 3.70 1.67
2.89 YES
L0031995 0 0.37110E-07 461102.0 3777399.4 463.4 3.70 1.67
2.89 YES
L0031996 0 0.37110E-07 461098.5 3777398.8 463.5 3.70 1.67
2.89 YES
L0031997 0 0.37110E-07 461095.0 3777398.1 463.5 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0031998	0	0.37110E-07	461091.4	3777397.5	463.6	3.70	1.67	2.89	YES	
L0031999	0	0.37110E-07	461087.8	3777397.0	463.7	3.70	1.67	2.89	YES	
L0032000	0	0.37110E-07	461084.3	3777396.5	463.7	3.70	1.67	2.89	YES	
L0032001	0	0.37110E-07	461080.7	3777396.1	463.8	3.70	1.67	2.89	YES	
L0032002	0	0.37110E-07	461077.1	3777395.6	463.8	3.70	1.67	2.89	YES	
L0032003	0	0.37110E-07	461073.6	3777395.1	463.9	3.70	1.67	2.89	YES	
L0032004	0	0.37110E-07	461070.0	3777394.6	463.9	3.70	1.67			

2.89 YES							
L0032005	0	0.37110E-07	461066.4	3777394.1	463.9	3.70	1.67
2.89 YES							
L0032006	0	0.37110E-07	461062.9	3777393.7	464.0	3.70	1.67
2.89 YES							
L0032007	0	0.37110E-07	461059.3	3777393.2	464.0	3.70	1.67
2.89 YES							
L0032008	0	0.37110E-07	461055.7	3777392.7	464.0	3.70	1.67
2.89 YES							
L0032009	0	0.37110E-07	461052.2	3777392.2	464.1	3.70	1.67
2.89 YES							
L0032010	0	0.37110E-07	461048.6	3777392.0	464.1	3.70	1.67
2.89 YES							
L0032011	0	0.37110E-07	461045.0	3777391.9	464.2	3.70	1.67
2.89 YES							
L0032012	0	0.37110E-07	461041.4	3777391.9	464.2	3.70	1.67
2.89 YES							
L0032013	0	0.37110E-07	461037.8	3777391.8	464.3	3.70	1.67
2.89 YES							
L0032014	0	0.37110E-07	461034.2	3777391.7	464.3	3.70	1.67
2.89 YES							
L0032015	0	0.37110E-07	461030.6	3777391.6	464.4	3.70	1.67
2.89 YES							
L0032016	0	0.37110E-07	461027.0	3777391.5	464.4	3.70	1.67
2.89 YES							
L0032017	0	0.37110E-07	461023.4	3777391.5	464.5	3.70	1.67
2.89 YES							
L0032018	0	0.37110E-07	461019.8	3777391.4	464.5	3.70	1.67
2.89 YES							
L0032019	0	0.37110E-07	461016.2	3777391.3	464.5	3.70	1.67
2.89 YES							
L0032020	0	0.37110E-07	461012.6	3777391.2	464.6	3.70	1.67
2.89 YES							
L0032021	0	0.37110E-07	461009.0	3777391.1	464.6	3.70	1.67
2.89 YES							
L0032022	0	0.37110E-07	461005.4	3777391.0	464.7	3.70	1.67
2.89 YES							
L0032023	0	0.37110E-07	461001.8	3777391.0	464.7	3.70	1.67
2.89 YES							
L0032024	0	0.37110E-07	460998.2	3777390.9	464.7	3.70	1.67
2.89 YES							
L0032025	0	0.37110E-07	460994.6	3777390.8	464.7	3.70	1.67
2.89 YES							
L0032026	0	0.37110E-07	460991.0	3777390.7	464.7	3.70	1.67
2.89 YES							
L0032027	0	0.37110E-07	460987.4	3777390.6	464.8	3.70	1.67
2.89 YES							
L0032028	0	0.37110E-07	460983.8	3777390.6	464.8	3.70	1.67

2.89 YES
L0032029 0 0.37110E-07 460980.2 3777390.5 464.8 3.70 1.67
2.89 YES
L0032030 0 0.37110E-07 460976.6 3777390.4 464.8 3.70 1.67
2.89 YES
L0032031 0 0.37110E-07 460973.0 3777390.3 464.8 3.70 1.67
2.89 YES
L0032032 0 0.37110E-07 460969.4 3777390.2 464.8 3.70 1.67
2.89 YES
L0032033 0 0.37110E-07 460965.8 3777390.2 464.8 3.70 1.67
2.89 YES
L0032034 0 0.37110E-07 460962.2 3777390.1 464.9 3.70 1.67
2.89 YES
L0032035 0 0.37110E-07 460958.6 3777390.0 464.9 3.70 1.67
2.89 YES
L0032036 0 0.37110E-07 460955.0 3777389.9 464.9 3.70 1.67
2.89 YES
L0032037 0 0.37110E-07 460951.4 3777389.8 464.9 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032038	0	0.37110E-07	460947.8	3777389.8	464.9	3.70	1.67	2.89	YES	
L0032039	0	0.37110E-07	460944.2	3777389.7	464.9	3.70	1.67	2.89	YES	
L0032040	0	0.37110E-07	460940.6	3777389.6	465.0	3.70	1.67	2.89	YES	
L0032041	0	0.37110E-07	460937.0	3777389.5	465.0	3.70	1.67	2.89	YES	
L0032042	0	0.37110E-07	460933.4	3777389.4	465.0	3.70	1.67			

2.89 YES							
L0032043	0	0.37110E-07	460929.8	3777389.4	465.0	3.70	1.67
2.89 YES							
L0032044	0	0.37110E-07	460926.2	3777389.3	465.1	3.70	1.67
2.89 YES							
L0032045	0	0.37110E-07	460922.6	3777389.2	465.1	3.70	1.67
2.89 YES							
L0032046	0	0.37110E-07	460919.0	3777389.1	465.1	3.70	1.67
2.89 YES							
L0032047	0	0.37110E-07	460915.4	3777389.0	465.1	3.70	1.67
2.89 YES							
L0032048	0	0.37110E-07	460911.8	3777388.9	465.2	3.70	1.67
2.89 YES							
L0032049	0	0.37110E-07	460908.2	3777388.9	465.2	3.70	1.67
2.89 YES							
L0032050	0	0.37110E-07	460904.6	3777388.8	465.2	3.70	1.67
2.89 YES							
L0032051	0	0.37110E-07	460901.0	3777388.7	465.2	3.70	1.67
2.89 YES							
L0032052	0	0.33030E-07	461407.7	3777260.3	462.7	3.70	1.67
2.89 YES							
L0032053	0	0.33030E-07	461407.7	3777256.7	462.7	3.70	1.67
2.89 YES							
L0032054	0	0.33030E-07	461407.8	3777253.1	462.6	3.70	1.67
2.89 YES							
L0032055	0	0.33030E-07	461407.8	3777249.5	462.6	3.70	1.67
2.89 YES							
L0032056	0	0.33030E-07	461407.9	3777245.9	462.5	3.70	1.67
2.89 YES							
L0032057	0	0.33030E-07	461407.9	3777242.3	462.4	3.70	1.67
2.89 YES							
L0032058	0	0.33030E-07	461408.0	3777238.7	462.4	3.70	1.67
2.89 YES							
L0032059	0	0.33030E-07	461408.0	3777235.1	462.3	3.70	1.67
2.89 YES							
L0032060	0	0.33030E-07	461408.1	3777231.5	462.2	3.70	1.67
2.89 YES							
L0032061	0	0.33030E-07	461408.1	3777227.9	462.1	3.70	1.67
2.89 YES							
L0032062	0	0.33030E-07	461408.2	3777224.3	462.1	3.70	1.67
2.89 YES							
L0032063	0	0.33030E-07	461408.2	3777220.7	462.0	3.70	1.67
2.89 YES							
L0032064	0	0.33030E-07	461408.3	3777217.1	461.9	3.70	1.67
2.89 YES							
L0032065	0	0.33030E-07	461408.3	3777213.5	461.8	3.70	1.67
2.89 YES							
L0032066	0	0.33030E-07	461408.4	3777209.9	461.7	3.70	1.67

```
2.89     YES
 L0032067         0   0.33030E-07  461408.4 3777206.3   461.7     3.70     1.67
2.89     YES
 L0032068         0   0.33030E-07  461408.5 3777202.7   461.6     3.70     1.67
2.89     YES
 L0032069         0   0.33030E-07  461408.5 3777199.1   461.5     3.70     1.67
2.89     YES
 L0032070         0   0.33030E-07  461408.6 3777195.5   461.4     3.70     1.67
2.89     YES
 L0032071         0   0.33030E-07  461408.6 3777191.9   461.3     3.70     1.67
2.89     YES
 L0032072         0   0.33030E-07  461408.7 3777188.3   461.2     3.70     1.67
2.89     YES
 L0032073         0   0.33030E-07  461408.7 3777184.7   461.2     3.70     1.67
2.89     YES
 L0032074         0   0.33030E-07  461408.8 3777181.1   461.1     3.70     1.67
2.89     YES
 L0032075         0   0.33030E-07  461408.8 3777177.5   461.0     3.70     1.67
2.89     YES
 L0032076         0   0.33030E-07  461408.9 3777173.9   460.9     3.70     1.67
2.89     YES
 L0032077         0   0.33030E-07  461408.9 3777170.3   460.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0032078         0   0.33030E-07  461409.0 3777166.7   460.8     3.70     1.67
2.89     YES
 L0032079         0   0.33030E-07  461409.0 3777163.1   460.7     3.70     1.67
2.89     YES
 L0032080         0   0.33030E-07  461409.1 3777159.5   460.6     3.70     1.67
```

2.89 YES							
L0032081	0	0.33030E-07	461409.1	3777155.9	460.6	3.70	1.67
2.89 YES							
L0032082	0	0.33030E-07	461409.2	3777152.3	460.5	3.70	1.67
2.89 YES							
L0032083	0	0.33030E-07	461409.2	3777148.7	460.4	3.70	1.67
2.89 YES							
L0032084	0	0.33030E-07	461409.3	3777145.1	460.3	3.70	1.67
2.89 YES							
L0032085	0	0.33030E-07	461409.2	3777141.5	460.2	3.70	1.67
2.89 YES							
L0032086	0	0.33030E-07	461409.1	3777137.9	460.1	3.70	1.67
2.89 YES							
L0032087	0	0.33030E-07	461408.9	3777134.3	460.1	3.70	1.67
2.89 YES							
L0032088	0	0.33030E-07	461408.8	3777130.7	460.0	3.70	1.67
2.89 YES							
L0032089	0	0.33030E-07	461408.7	3777127.1	459.9	3.70	1.67
2.89 YES							
L0032090	0	0.33030E-07	461408.6	3777123.5	459.8	3.70	1.67
2.89 YES							
L0032091	0	0.33030E-07	461408.5	3777119.9	459.7	3.70	1.67
2.89 YES							
L0032092	0	0.33030E-07	461408.4	3777116.3	459.7	3.70	1.67
2.89 YES							
L0032093	0	0.33030E-07	461408.3	3777112.7	459.6	3.70	1.67
2.89 YES							
L0032094	0	0.33030E-07	461408.2	3777109.1	459.5	3.70	1.67
2.89 YES							
L0032095	0	0.33030E-07	461408.1	3777105.5	459.5	3.70	1.67
2.89 YES							
L0032096	0	0.33030E-07	461408.0	3777101.9	459.4	3.70	1.67
2.89 YES							
L0032097	0	0.33030E-07	461407.8	3777098.3	459.3	3.70	1.67
2.89 YES							
L0032098	0	0.33030E-07	461407.7	3777094.7	459.2	3.70	1.67
2.89 YES							
L0032099	0	0.33030E-07	461407.6	3777091.1	459.2	3.70	1.67
2.89 YES							
L0032100	0	0.33030E-07	461407.5	3777087.5	459.0	3.70	1.67
2.89 YES							
L0032101	0	0.33030E-07	461407.4	3777083.9	458.9	3.70	1.67
2.89 YES							
L0032102	0	0.33030E-07	461407.3	3777080.3	458.8	3.70	1.67
2.89 YES							
L0032103	0	0.33030E-07	461407.2	3777076.7	458.7	3.70	1.67
2.89 YES							
L0032104	0	0.33030E-07	461407.1	3777073.1	458.6	3.70	1.67

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2.89     YES
 L0032105         0   0.33030E-07  461407.0 3777069.5   458.5     3.70     1.67
2.89     YES
 L0032106         0   0.33030E-07  461406.9 3777065.9   458.4     3.70     1.67
2.89     YES
 L0032107         0   0.33030E-07  461406.8 3777062.3   458.3     3.70     1.67
2.89     YES
 L0032108         0   0.33030E-07  461406.8 3777058.7   458.2     3.70     1.67
2.89     YES
 L0032109         0   0.33030E-07  461406.8 3777055.1   458.2     3.70     1.67
2.89     YES
 L0032110         0   0.33030E-07  461406.7 3777051.5   458.1     3.70     1.67
2.89     YES
 L0032111         0   0.33030E-07  461406.7 3777047.9   458.0     3.70     1.67
2.89     YES
 L0032112         0   0.33030E-07  461406.7 3777044.3   457.9     3.70     1.67
2.89     YES
 L0032113         0   0.33030E-07  461406.7 3777040.7   457.8     3.70     1.67
2.89     YES
 L0032114         0   0.33030E-07  461406.7 3777037.1   457.7     3.70     1.67
2.89     YES
 L0032115         0   0.33030E-07  461406.6 3777033.5   457.7     3.70     1.67
2.89     YES
 L0032116         0   0.33030E-07  461406.6 3777029.9   457.6     3.70     1.67
2.89     YES
 L0032117         0   0.33030E-07  461406.6 3777026.3   457.5     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032118	0	0.33030E-07	461406.6	3777022.7	457.4	3.70	1.67	2.89	YES	

2.89 YES							
L0032119	0	0.33030E-07	461406.5	3777019.1	457.4	3.70	1.67
2.89 YES							
L0032120	0	0.33030E-07	461406.5	3777015.5	457.3	3.70	1.67
2.89 YES							
L0032121	0	0.33030E-07	461406.5	3777011.9	457.2	3.70	1.67
2.89 YES							
L0032122	0	0.33030E-07	461406.5	3777008.3	457.2	3.70	1.67
2.89 YES							
L0032123	0	0.33030E-07	461406.5	3777004.7	457.1	3.70	1.67
2.89 YES							
L0032124	0	0.33030E-07	461406.5	3777001.1	457.0	3.70	1.67
2.89 YES							
L0032125	0	0.33030E-07	461406.4	3776997.5	457.0	3.70	1.67
2.89 YES							
L0032126	0	0.33030E-07	461406.4	3776993.9	456.9	3.70	1.67
2.89 YES							
L0032127	0	0.33030E-07	461406.4	3776990.3	456.8	3.70	1.67
2.89 YES							
L0032128	0	0.33030E-07	461406.4	3776986.7	456.8	3.70	1.67
2.89 YES							
L0032129	0	0.33030E-07	461406.3	3776983.1	456.7	3.70	1.67
2.89 YES							
L0032130	0	0.33030E-07	461406.3	3776979.5	456.6	3.70	1.67
2.89 YES							
L0032131	0	0.33030E-07	461406.3	3776975.9	456.6	3.70	1.67
2.89 YES							
L0032132	0	0.33030E-07	461406.3	3776972.3	456.5	3.70	1.67
2.89 YES							
L0032133	0	0.33030E-07	461406.3	3776968.7	456.4	3.70	1.67
2.89 YES							
L0032134	0	0.33030E-07	461406.2	3776965.1	456.3	3.70	1.67
2.89 YES							
L0032135	0	0.33030E-07	461406.2	3776961.5	456.2	3.70	1.67
2.89 YES							
L0032136	0	0.33030E-07	461406.2	3776957.9	456.2	3.70	1.67
2.89 YES							
L0032137	0	0.33030E-07	461406.2	3776954.3	456.1	3.70	1.67
2.89 YES							
L0032138	0	0.33030E-07	461406.2	3776950.7	456.0	3.70	1.67
2.89 YES							
L0032139	0	0.33030E-07	461406.1	3776947.1	455.9	3.70	1.67
2.89 YES							
L0032140	0	0.33030E-07	461406.1	3776943.5	455.9	3.70	1.67
2.89 YES							
L0032141	0	0.33030E-07	461406.1	3776939.9	455.8	3.70	1.67
2.89 YES							
L0032142	0	0.33030E-07	461406.1	3776936.3	455.7	3.70	1.67

```
2.89     YES
 L0032143         0   0.33030E-07  461406.1 3776932.7   455.6     3.70     1.67
2.89     YES
 L0032144         0   0.33030E-07  461406.0 3776929.1   455.6     3.70     1.67
2.89     YES
 L0032145         0   0.33030E-07  461406.0 3776925.5   455.5     3.70     1.67
2.89     YES
 L0032146         0   0.33030E-07  461406.0 3776921.9   455.4     3.70     1.67
2.89     YES
 L0032147         0   0.33030E-07  461406.0 3776918.3   455.3     3.70     1.67
2.89     YES
 L0032148         0   0.33030E-07  461406.0 3776914.7   455.2     3.70     1.67
2.89     YES
 L0032149         0   0.33030E-07  461405.9 3776911.1   455.2     3.70     1.67
2.89     YES
 L0032150         0   0.33030E-07  461405.9 3776907.5   455.1     3.70     1.67
2.89     YES
 L0032151         0   0.33030E-07  461405.9 3776903.9   455.0     3.70     1.67
2.89     YES
 L0032152         0   0.33030E-07  461405.9 3776900.3   454.9     3.70     1.67
2.89     YES
 L0032153         0   0.33030E-07  461405.9 3776896.7   454.9     3.70     1.67
2.89     YES
 L0032154         0   0.33030E-07  461405.8 3776893.1   454.8     3.70     1.67
2.89     YES
 L0032155         0   0.33030E-07  461405.8 3776889.5   454.7     3.70     1.67
2.89     YES
 L0032156         0   0.33030E-07  461405.8 3776885.9   454.7     3.70     1.67
2.89     YES
 L0032157         0   0.33030E-07  461405.8 3776882.3   454.6     3.70     1.67
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

L0032158	0	0.33030E-07	461405.8	3776878.7	454.5	3.70	1.67	2.89 YES
L0032159	0	0.33030E-07	461405.7	3776875.1	454.4	3.70	1.67	2.89 YES
L0032160	0	0.33030E-07	461405.7	3776871.5	454.4	3.70	1.67	2.89 YES
L0032161	0	0.33030E-07	461405.7	3776867.9	454.3	3.70	1.67	2.89 YES
L0032162	0	0.33030E-07	461405.7	3776864.3	454.2	3.70	1.67	2.89 YES
L0032163	0	0.33030E-07	461405.7	3776860.7	454.2	3.70	1.67	2.89 YES
L0032164	0	0.33030E-07	461405.6	3776857.1	454.1	3.70	1.67	2.89 YES
L0032165	0	0.33030E-07	461405.6	3776853.5	454.0	3.70	1.67	2.89 YES
L0032166	0	0.33030E-07	461405.6	3776849.9	454.0	3.70	1.67	2.89 YES
L0032167	0	0.33030E-07	461405.6	3776846.3	453.9	3.70	1.67	2.89 YES
L0032168	0	0.33030E-07	461405.6	3776842.7	453.8	3.70	1.67	2.89 YES
L0032169	0	0.33030E-07	461405.5	3776839.1	453.8	3.70	1.67	2.89 YES
L0032170	0	0.33030E-07	461405.5	3776835.5	453.7	3.70	1.67	2.89 YES
L0032171	0	0.33030E-07	461405.5	3776831.9	453.6	3.70	1.67	2.89 YES
L0032172	0	0.33030E-07	461405.5	3776828.3	453.6	3.70	1.67	2.89 YES
L0032173	0	0.33030E-07	461405.5	3776824.7	453.5	3.70	1.67	2.89 YES
L0032174	0	0.33030E-07	461405.4	3776821.1	453.4	3.70	1.67	2.89 YES
L0032175	0	0.33030E-07	461405.4	3776817.5	453.4	3.70	1.67	2.89 YES
L0032176	0	0.33030E-07	461405.4	3776813.9	453.3	3.70	1.67	2.89 YES
L0032177	0	0.33030E-07	461405.4	3776810.3	453.2	3.70	1.67	2.89 YES
L0032178	0	0.33030E-07	461405.4	3776806.7	453.1	3.70	1.67	2.89 YES
L0032179	0	0.33030E-07	461405.3	3776803.1	453.1	3.70	1.67	2.89 YES
L0032180	0	0.33030E-07	461405.3	3776799.5	453.0	3.70	1.67	

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2.89     YES
 L0032181         0   0.33030E-07  461405.3 3776795.9   452.9     3.70     1.67
2.89     YES
 L0032182         0   0.33030E-07  461405.3 3776792.3   452.9     3.70     1.67
2.89     YES
 L0032183         0   0.33030E-07  461405.3 3776788.7   452.8     3.70     1.67
2.89     YES
 L0032184         0   0.33030E-07  461405.2 3776785.1   452.7     3.70     1.67
2.89     YES
 L0032185         0   0.33030E-07  461405.2 3776781.5   452.6     3.70     1.67
2.89     YES
 L0032186         0   0.33030E-07  461405.2 3776777.9   452.6     3.70     1.67
2.89     YES
 L0032187         0   0.33030E-07  461405.2 3776774.3   452.5     3.70     1.67
2.89     YES
 L0032188         0   0.33030E-07  461405.2 3776770.7   452.4     3.70     1.67
2.89     YES
 L0032189         0   0.33030E-07  461405.1 3776767.1   452.4     3.70     1.67
2.89     YES
 L0032190         0   0.33030E-07  461405.1 3776763.5   452.3     3.70     1.67
2.89     YES
 L0032191         0   0.33030E-07  461405.1 3776759.9   452.2     3.70     1.67
2.89     YES
 L0032192         0   0.33030E-07  461405.1 3776756.3   452.2     3.70     1.67
2.89     YES
 L0032193         0   0.33030E-07  461405.1 3776752.7   452.1     3.70     1.67
2.89     YES
 L0032194         0   0.33030E-07  461405.0 3776749.1   452.0     3.70     1.67
2.89     YES
 L0032195         0   0.33030E-07  461405.0 3776745.5   451.9     3.70     1.67
2.89     YES
 L0032196         0   0.33030E-07  461405.0 3776741.9   451.9     3.70     1.67
2.89     YES
 L0032197         0   0.33030E-07  461405.0 3776738.3   451.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                             ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                             ***        15:24:12

                                    PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
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SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ SOURCE (METERS)
L0032198	0	0.33030E-07	461405.0	3776734.7	451.7	3.70	1.67	2.89 YES
L0032199	0	0.33030E-07	461404.9	3776731.1	451.6	3.70	1.67	2.89 YES
L0032200	0	0.33030E-07	461404.9	3776727.5	451.6	3.70	1.67	2.89 YES
L0032201	0	0.33030E-07	461404.9	3776723.9	451.5	3.70	1.67	2.89 YES
L0032202	0	0.33030E-07	461404.9	3776720.3	451.4	3.70	1.67	2.89 YES
L0032203	0	0.33030E-07	461404.9	3776716.7	451.3	3.70	1.67	2.89 YES
L0032204	0	0.33030E-07	461404.8	3776713.1	451.2	3.70	1.67	2.89 YES
L0032205	0	0.33030E-07	461404.8	3776709.5	451.1	3.70	1.67	2.89 YES
L0032206	0	0.33030E-07	461404.8	3776705.9	451.0	3.70	1.67	2.89 YES
L0032207	0	0.33030E-07	461404.8	3776702.3	450.9	3.70	1.67	2.89 YES
L0032208	0	0.33030E-07	461404.8	3776698.8	450.9	3.70	1.67	2.89 YES
L0032209	0	0.33030E-07	461404.7	3776695.1	450.8	3.70	1.67	2.89 YES
L0032210	0	0.33030E-07	461404.7	3776691.5	450.7	3.70	1.67	2.89 YES
L0032211	0	0.33030E-07	461404.7	3776687.9	450.6	3.70	1.67	2.89 YES
L0032212	0	0.33030E-07	461404.7	3776684.3	450.4	3.70	1.67	2.89 YES
L0032213	0	0.33030E-07	461404.7	3776680.8	450.3	3.70	1.67	2.89 YES
L0032214	0	0.33030E-07	461404.6	3776677.1	450.2	3.70	1.67	2.89 YES
L0032215	0	0.33030E-07	461404.6	3776673.5	450.1	3.70	1.67	2.89 YES
L0032216	0	0.33030E-07	461404.6	3776669.9	450.0	3.70	1.67	2.89 YES
L0032217	0	0.33030E-07	461404.6	3776666.3	449.9	3.70	1.67	2.89 YES
L0032218	0	0.33030E-07	461404.6	3776662.8	449.8	3.70	1.67	

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2.89     YES
 L0032219         0   0.33030E-07  461404.5 3776659.1   449.8     3.70     1.67
2.89     YES
 L0032220         0   0.33030E-07  461404.5 3776655.5   449.7     3.70     1.67
2.89     YES
 L0032221         0   0.33030E-07  461404.5 3776651.9   449.6     3.70     1.67
2.89     YES
 L0032222         0   0.33030E-07  461404.5 3776648.3   449.5     3.70     1.67
2.89     YES
 L0032223         0   0.33030E-07  461404.5 3776644.8   449.4     3.70     1.67
2.89     YES
 L0032224         0   0.33030E-07  461404.4 3776641.1   449.4     3.70     1.67
2.89     YES
 L0032225         0   0.33030E-07  461404.4 3776637.6   449.3     3.70     1.67
2.89     YES
 L0032226         0   0.33030E-07  461404.4 3776634.0   449.2     3.70     1.67
2.89     YES
 L0032227         0   0.33030E-07  461404.4 3776630.4   449.2     3.70     1.67
2.89     YES
 L0032228         0   0.33030E-07  461404.4 3776626.8   449.1     3.70     1.67
2.89     YES
 L0032229         0   0.33030E-07  461404.3 3776623.2   449.0     3.70     1.67
2.89     YES
 L0032230         0   0.33030E-07  461404.3 3776619.6   449.0     3.70     1.67
2.89     YES
 L0032231         0   0.33030E-07  461404.3 3776616.0   448.9     3.70     1.67
2.89     YES
 L0032232         0   0.33030E-07  461404.3 3776612.4   448.8     3.70     1.67
2.89     YES
 L0032233         0   0.33030E-07  461404.3 3776608.8   448.8     3.70     1.67
2.89     YES
 L0032234         0   0.33030E-07  461404.2 3776605.2   448.7     3.70     1.67
2.89     YES
 L0032235         0   0.33030E-07  461404.2 3776601.6   448.7     3.70     1.67
2.89     YES
 L0032236         0   0.33030E-07  461404.2 3776598.0   448.6     3.70     1.67
2.89     YES
 L0032237         0   0.33030E-07  461404.2 3776594.4   448.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0032238	0	0.33030E-07	461404.2	3776590.8	448.5	3.70	1.67	2.89	YES
L0032239	0	0.33030E-07	461404.1	3776587.2	448.4	3.70	1.67	2.89	YES
L0032240	0	0.33030E-07	461404.1	3776583.6	448.4	3.70	1.67	2.89	YES
L0032241	0	0.33030E-07	461404.1	3776580.0	448.3	3.70	1.67	2.89	YES
L0032242	0	0.33030E-07	461404.1	3776576.4	448.2	3.70	1.67	2.89	YES
L0032243	0	0.33030E-07	461404.1	3776572.8	448.2	3.70	1.67	2.89	YES
L0032244	0	0.33030E-07	461404.0	3776569.2	448.1	3.70	1.67	2.89	YES
L0032245	0	0.33030E-07	461404.0	3776565.6	448.1	3.70	1.67	2.89	YES
L0032246	0	0.33030E-07	461404.0	3776562.0	448.0	3.70	1.67	2.89	YES
L0032247	0	0.33030E-07	461404.0	3776558.4	447.9	3.70	1.67	2.89	YES
L0032248	0	0.33030E-07	461404.0	3776554.8	447.9	3.70	1.67	2.89	YES
L0032249	0	0.33030E-07	461403.9	3776551.2	447.8	3.70	1.67	2.89	YES
L0032250	0	0.33030E-07	461403.9	3776547.6	447.7	3.70	1.67	2.89	YES
L0032251	0	0.33030E-07	461403.9	3776544.0	447.7	3.70	1.67	2.89	YES
L0032252	0	0.33030E-07	461403.9	3776540.4	447.6	3.70	1.67	2.89	YES
L0032253	0	0.33030E-07	461403.9	3776536.8	447.5	3.70	1.67	2.89	YES
L0032254	0	0.33030E-07	461403.8	3776533.2	447.5	3.70	1.67	2.89	YES
L0032255	0	0.33030E-07	461403.8	3776529.6	447.4	3.70	1.67	2.89	YES
L0032256	0	0.33030E-07	461403.8	3776526.0	447.3	3.70	1.67		

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2.89     YES
 L0032257         0   0.33030E-07  461403.8 3776522.4   447.3     3.70     1.67
2.89     YES
 L0032258         0   0.33030E-07  461403.8 3776518.8   447.2     3.70     1.67
2.89     YES
 L0032259         0   0.33030E-07  461403.7 3776515.2   447.1     3.70     1.67
2.89     YES
 L0032260         0   0.33030E-07  461403.7 3776511.6   447.1     3.70     1.67
2.89     YES
 L0032261         0   0.33030E-07  461403.7 3776508.0   447.0     3.70     1.67
2.89     YES
 L0032262         0   0.33030E-07  461403.7 3776504.4   446.9     3.70     1.67
2.89     YES
 L0032263         0   0.33030E-07  461403.7 3776500.8   446.8     3.70     1.67
2.89     YES
 L0032264         0   0.33030E-07  461403.6 3776497.2   446.7     3.70     1.67
2.89     YES
 L0032265         0   0.33030E-07  461403.6 3776493.6   446.6     3.70     1.67
2.89     YES
 L0032266         0   0.33030E-07  461403.6 3776490.0   446.5     3.70     1.67
2.89     YES
 L0032267         0   0.33030E-07  461403.6 3776486.4   446.4     3.70     1.67
2.89     YES
 L0032268         0   0.33030E-07  461403.6 3776482.8   446.3     3.70     1.67
2.89     YES
 L0032269         0   0.33030E-07  461403.5 3776479.2   446.2     3.70     1.67
2.89     YES
 L0032270         0   0.33030E-07  461403.5 3776475.6   446.2     3.70     1.67
2.89     YES
 L0032271         0   0.33030E-07  461403.5 3776472.0   446.1     3.70     1.67
2.89     YES
 L0032272         0   0.33030E-07  461403.5 3776468.4   446.1     3.70     1.67
2.89     YES
 L0032273         0   0.33030E-07  461403.5 3776464.8   446.0     3.70     1.67
2.89     YES
 L0032274         0   0.33030E-07  461403.4 3776461.2   446.0     3.70     1.67
2.89     YES
 L0032275         0   0.33030E-07  461403.4 3776457.6   445.9     3.70     1.67
2.89     YES
 L0032276         0   0.33030E-07  461403.4 3776454.0   445.9     3.70     1.67
2.89     YES
 L0032277         0   0.33030E-07  461403.4 3776450.4   445.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE EMISSION RATE VARY BY
L0032278	0	0.33030E-07	461403.4	3776446.8	445.8	3.70	1.67	2.89	YES
L0032279	0	0.33030E-07	461403.4	3776443.2	445.7	3.70	1.67	2.89	YES
L0032280	0	0.33030E-07	461403.3	3776439.6	445.7	3.70	1.67	2.89	YES
L0032281	0	0.33030E-07	461403.3	3776436.0	445.6	3.70	1.67	2.89	YES
L0032282	0	0.33030E-07	461403.3	3776432.4	445.5	3.70	1.67	2.89	YES
L0032283	0	0.33030E-07	461403.3	3776428.8	445.5	3.70	1.67	2.89	YES
L0032284	0	0.33030E-07	461403.3	3776425.2	445.4	3.70	1.67	2.89	YES
L0032285	0	0.33030E-07	461403.3	3776421.6	445.4	3.70	1.67	2.89	YES
L0032286	0	0.33030E-07	461403.3	3776418.0	445.3	3.70	1.67	2.89	YES
L0032287	0	0.33030E-07	461403.3	3776414.4	445.2	3.70	1.67	2.89	YES
L0032288	0	0.33030E-07	461403.3	3776410.8	445.1	3.70	1.67	2.89	YES
L0032289	0	0.33030E-07	461403.3	3776407.2	445.0	3.70	1.67	2.89	YES
L0032290	0	0.33030E-07	461403.3	3776403.6	444.9	3.70	1.67	2.89	YES
L0032291	0	0.33030E-07	461403.3	3776400.0	444.8	3.70	1.67	2.89	YES
L0032292	0	0.33030E-07	461403.3	3776396.4	444.7	3.70	1.67	2.89	YES
L0032293	0	0.33030E-07	461403.2	3776392.8	444.6	3.70	1.67	2.89	YES
L0032294	0	0.33030E-07	461403.2	3776389.2	444.5	3.70	1.67		

2.89 YES							
L0032295	0	0.33030E-07	461403.2	3776385.6	444.4	3.70	1.67
2.89 YES							
L0032296	0	0.33030E-07	461403.2	3776382.0	444.3	3.70	1.67
2.89 YES							
L0032297	0	0.33030E-07	461403.2	3776378.4	444.2	3.70	1.67
2.89 YES							
L0032298	0	0.33030E-07	461403.2	3776374.8	444.2	3.70	1.67
2.89 YES							
L0032299	0	0.33030E-07	461403.2	3776371.2	444.1	3.70	1.67
2.89 YES							
L0032300	0	0.33030E-07	461403.2	3776367.6	444.0	3.70	1.67
2.89 YES							
L0032301	0	0.33030E-07	461403.2	3776364.0	443.9	3.70	1.67
2.89 YES							
L0032302	0	0.33030E-07	461403.2	3776360.4	443.9	3.70	1.67
2.89 YES							
L0032303	0	0.33030E-07	461403.2	3776356.8	443.8	3.70	1.67
2.89 YES							
L0032304	0	0.33030E-07	461403.2	3776353.2	443.7	3.70	1.67
2.89 YES							
L0032305	0	0.33030E-07	461403.1	3776349.6	443.6	3.70	1.67
2.89 YES							
L0032306	0	0.33030E-07	461403.1	3776346.0	443.6	3.70	1.67
2.89 YES							
L0032307	0	0.33030E-07	461403.1	3776342.4	443.5	3.70	1.67
2.89 YES							
L0032308	0	0.33030E-07	461403.1	3776338.8	443.4	3.70	1.67
2.89 YES							
L0032309	0	0.33030E-07	461403.1	3776335.2	443.3	3.70	1.67
2.89 YES							
L0032310	0	0.33030E-07	461403.1	3776331.6	443.2	3.70	1.67
2.89 YES							
L0032311	0	0.33030E-07	461403.1	3776328.0	443.2	3.70	1.67
2.89 YES							
L0032312	0	0.33030E-07	461403.1	3776324.4	443.1	3.70	1.67
2.89 YES							
L0032313	0	0.33030E-07	461403.1	3776320.8	443.0	3.70	1.67
2.89 YES							
L0032314	0	0.33030E-07	461403.1	3776317.2	442.9	3.70	1.67
2.89 YES							
L0032315	0	0.33030E-07	461403.1	3776313.6	442.8	3.70	1.67
2.89 YES							
L0032316	0	0.33030E-07	461403.1	3776310.0	442.8	3.70	1.67
2.89 YES							
L0032317	0	0.33030E-07	461403.1	3776306.4	442.7	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY BY
L0032318	0	0.33030E-07	461403.0	3776302.8	442.6	3.70	1.67	2.89	YES	
L0032319	0	0.33030E-07	461403.0	3776299.2	442.5	3.70	1.67	2.89	YES	
L0032320	0	0.33030E-07	461403.0	3776295.6	442.4	3.70	1.67	2.89	YES	
L0032321	0	0.33030E-07	461403.0	3776292.0	442.3	3.70	1.67	2.89	YES	
L0032322	0	0.33030E-07	461403.0	3776288.4	442.2	3.70	1.67	2.89	YES	
L0032323	0	0.33030E-07	461403.0	3776284.8	442.1	3.70	1.67	2.89	YES	
L0032324	0	0.33030E-07	461403.0	3776281.2	442.0	3.70	1.67	2.89	YES	
L0032325	0	0.33030E-07	461403.0	3776277.6	441.9	3.70	1.67	2.89	YES	
L0032326	0	0.33030E-07	461403.0	3776274.0	441.9	3.70	1.67	2.89	YES	
L0032327	0	0.33030E-07	461403.0	3776270.4	441.8	3.70	1.67	2.89	YES	
L0032328	0	0.33030E-07	461403.0	3776266.8	441.7	3.70	1.67	2.89	YES	
L0032329	0	0.33030E-07	461403.0	3776263.2	441.6	3.70	1.67	2.89	YES	
L0032330	0	0.33030E-07	461402.9	3776259.6	441.5	3.70	1.67	2.89	YES	
L0032331	0	0.33030E-07	461402.9	3776256.0	441.4	3.70	1.67	2.89	YES	
L0032332	0	0.33030E-07	461402.9	3776252.4	441.3	3.70	1.67			

2.89 YES							
L0032333	0	0.33030E-07	461402.9	3776248.8	441.2	3.70	1.67
2.89 YES							
L0032334	0	0.33030E-07	461402.9	3776245.2	441.1	3.70	1.67
2.89 YES							
L0032335	0	0.33030E-07	461402.9	3776241.6	441.0	3.70	1.67
2.89 YES							
L0032336	0	0.33030E-07	461402.9	3776238.0	440.9	3.70	1.67
2.89 YES							
L0032337	0	0.33030E-07	461402.9	3776234.4	440.8	3.70	1.67
2.89 YES							
L0032338	0	0.33030E-07	461402.9	3776230.8	440.7	3.70	1.67
2.89 YES							
L0032339	0	0.33030E-07	461402.9	3776227.2	440.7	3.70	1.67
2.89 YES							
L0032340	0	0.33030E-07	461402.9	3776223.6	440.6	3.70	1.67
2.89 YES							
L0032341	0	0.33030E-07	461402.9	3776220.0	440.5	3.70	1.67
2.89 YES							
L0032342	0	0.33030E-07	461402.9	3776216.4	440.4	3.70	1.67
2.89 YES							
L0032343	0	0.33030E-07	461402.8	3776212.8	440.3	3.70	1.67
2.89 YES							
L0032344	0	0.33030E-07	461402.8	3776209.2	440.2	3.70	1.67
2.89 YES							
L0032345	0	0.33030E-07	461402.8	3776205.6	440.2	3.70	1.67
2.89 YES							
L0032346	0	0.33030E-07	461402.8	3776202.0	440.1	3.70	1.67
2.89 YES							
L0032347	0	0.33030E-07	461402.8	3776198.4	440.0	3.70	1.67
2.89 YES							
L0032348	0	0.33030E-07	461402.8	3776194.8	439.9	3.70	1.67
2.89 YES							
L0032349	0	0.33030E-07	461402.8	3776191.2	439.8	3.70	1.67
2.89 YES							
L0032350	0	0.33030E-07	461402.8	3776187.6	439.7	3.70	1.67
2.89 YES							
L0032351	0	0.33030E-07	461402.8	3776184.0	439.6	3.70	1.67
2.89 YES							
L0032352	0	0.33030E-07	461402.8	3776180.4	439.5	3.70	1.67
2.89 YES							
L0032353	0	0.33030E-07	461402.8	3776176.8	439.4	3.70	1.67
2.89 YES							
L0032354	0	0.33030E-07	461402.8	3776173.2	439.4	3.70	1.67
2.89 YES							
L0032355	0	0.33030E-07	461402.7	3776169.6	439.3	3.70	1.67
2.89 YES							
L0032356	0	0.33030E-07	461402.7	3776166.0	439.2	3.70	1.67

2.89 YES
L0032357 0 0.33030E-07 461402.7 3776162.4 439.1 3.70 1.67
2.89 YES
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0032358	0	0.33030E-07	461402.7	3776158.8	439.1	3.70	1.67	2.89	YES	
L0032359	0	0.33030E-07	461402.7	3776155.2	439.0	3.70	1.67	2.89	YES	
L0032360	0	0.33030E-07	461402.7	3776151.6	438.9	3.70	1.67	2.89	YES	
L0032361	0	0.33030E-07	461402.7	3776148.0	438.8	3.70	1.67	2.89	YES	
L0032362	0	0.33030E-07	461402.7	3776144.4	438.8	3.70	1.67	2.89	YES	
L0032363	0	0.33030E-07	461402.7	3776140.8	438.7	3.70	1.67	2.89	YES	
L0032364	0	0.33030E-07	461402.7	3776137.2	438.6	3.70	1.67	2.89	YES	
L0032365	0	0.33030E-07	461402.7	3776133.6	438.6	3.70	1.67	2.89	YES	
L0032366	0	0.33030E-07	461402.7	3776130.0	438.5	3.70	1.67	2.89	YES	
L0032367	0	0.33030E-07	461402.7	3776126.4	438.4	3.70	1.67	2.89	YES	
L0032368	0	0.33030E-07	461402.6	3776122.8	438.4	3.70	1.67	2.89	YES	
L0032369	0	0.33030E-07	461402.6	3776119.2	438.3	3.70	1.67	2.89	YES	
L0032370	0	0.33030E-07	461402.6	3776115.6	438.2	3.70	1.67			

2.89 YES							
L0032371	0	0.33030E-07	461402.6	3776112.0	438.2	3.70	1.67
2.89 YES							
L0032372	0	0.33030E-07	461402.6	3776108.4	438.1	3.70	1.67
2.89 YES							
L0032373	0	0.33030E-07	461402.6	3776104.8	438.0	3.70	1.67
2.89 YES							
L0032374	0	0.33030E-07	461402.6	3776101.2	437.9	3.70	1.67
2.89 YES							
L0032375	0	0.33030E-07	461402.6	3776097.6	437.9	3.70	1.67
2.89 YES							
L0032376	0	0.33030E-07	461402.6	3776094.0	437.8	3.70	1.67
2.89 YES							
L0032377	0	0.33030E-07	461402.6	3776090.4	437.7	3.70	1.67
2.89 YES							
L0032378	0	0.33030E-07	461402.6	3776086.8	437.7	3.70	1.67
2.89 YES							
L0032379	0	0.33030E-07	461402.6	3776083.2	437.6	3.70	1.67
2.89 YES							
L0032380	0	0.33030E-07	461402.5	3776079.6	437.5	3.70	1.67
2.89 YES							
L0032381	0	0.33030E-07	461402.5	3776076.0	437.4	3.70	1.67
2.89 YES							
L0032382	0	0.33030E-07	461402.5	3776072.4	437.4	3.70	1.67
2.89 YES							
L0032383	0	0.33030E-07	461402.5	3776068.8	437.3	3.70	1.67
2.89 YES							
L0032384	0	0.33030E-07	461402.5	3776065.2	437.2	3.70	1.67
2.89 YES							
L0032385	0	0.33030E-07	461402.5	3776061.6	437.2	3.70	1.67
2.89 YES							
L0032386	0	0.33030E-07	461402.5	3776058.0	437.1	3.70	1.67
2.89 YES							
L0032387	0	0.33030E-07	461402.5	3776054.4	437.0	3.70	1.67
2.89 YES							
L0032388	0	0.33030E-07	461402.5	3776050.8	437.0	3.70	1.67
2.89 YES							
L0032389	0	0.33030E-07	461402.5	3776047.2	436.9	3.70	1.67
2.89 YES							
L0032390	0	0.33030E-07	461402.5	3776043.6	436.9	3.70	1.67
2.89 YES							
L0032391	0	0.33030E-07	461402.5	3776040.0	436.8	3.70	1.67
2.89 YES							
L0032392	0	0.33030E-07	461402.5	3776036.4	436.8	3.70	1.67
2.89 YES							
L0032393	0	0.33030E-07	461402.4	3776032.8	436.8	3.70	1.67
2.89 YES							
L0032394	0	0.33030E-07	461402.4	3776029.2	436.7	3.70	1.67

```
2.89     YES
 L0032395         0   0.33030E-07  461402.4 3776025.6   436.7     3.70     1.67
2.89     YES
 L0032396         0   0.33030E-07  461402.4 3776022.0   436.6     3.70     1.67
2.89     YES
 L0032397         0   0.33030E-07  461402.4 3776018.4   436.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:24:12

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0032398         0   0.33030E-07  461402.4 3776014.8   436.5     3.70     1.67
2.89     YES
 L0032399         0   0.33030E-07  461402.4 3776011.2   436.4     3.70     1.67
2.89     YES
 L0032400         0   0.33030E-07  461402.4 3776007.6   436.4     3.70     1.67
2.89     YES
 L0032401         0   0.33030E-07  461402.4 3776004.0   436.3     3.70     1.67
2.89     YES
 L0032402         0   0.33030E-07  461402.4 3776000.4   436.2     3.70     1.67
2.89     YES
 L0032403         0   0.33030E-07  461402.4 3775996.8   436.2     3.70     1.67
2.89     YES
 L0032404         0   0.33030E-07  461402.4 3775993.2   436.1     3.70     1.67
2.89     YES
 L0032405         0   0.33030E-07  461402.4 3775989.6   436.0     3.70     1.67
2.89     YES
 L0032406         0   0.33030E-07  461402.3 3775986.0   436.0     3.70     1.67
2.89     YES
 L0032407         0   0.33030E-07  461402.3 3775982.4   435.9     3.70     1.67
2.89     YES
 L0032408         0   0.33030E-07  461402.3 3775978.8   435.9     3.70     1.67
```

2.89 YES							
L0032409	0	0.33030E-07	461402.3	3775975.2	435.8	3.70	1.67
2.89 YES							
L0032410	0	0.33030E-07	461402.3	3775971.6	435.7	3.70	1.67
2.89 YES							
L0032411	0	0.33030E-07	461402.3	3775968.0	435.7	3.70	1.67
2.89 YES							
L0032412	0	0.33030E-07	461402.3	3775964.4	435.6	3.70	1.67
2.89 YES							
L0032413	0	0.33030E-07	461402.3	3775960.8	435.5	3.70	1.67
2.89 YES							
L0032414	0	0.33030E-07	461402.3	3775957.2	435.5	3.70	1.67
2.89 YES							
L0032415	0	0.33030E-07	461402.3	3775953.6	435.4	3.70	1.67
2.89 YES							
L0032416	0	0.33030E-07	461402.3	3775950.0	435.3	3.70	1.67
2.89 YES							
L0032417	0	0.33030E-07	461402.3	3775946.4	435.3	3.70	1.67
2.89 YES							
L0032418	0	0.33030E-07	461402.2	3775942.8	435.2	3.70	1.67
2.89 YES							
L0032419	0	0.33030E-07	461402.2	3775939.2	435.1	3.70	1.67
2.89 YES							
L0032420	0	0.33030E-07	461402.2	3775935.6	435.1	3.70	1.67
2.89 YES							
L0032421	0	0.33030E-07	461402.2	3775932.0	435.0	3.70	1.67
2.89 YES							
L0032422	0	0.33030E-07	461402.2	3775928.4	434.9	3.70	1.67
2.89 YES							
L0032423	0	0.33030E-07	461402.2	3775924.8	434.9	3.70	1.67
2.89 YES							
L0032424	0	0.33030E-07	461402.2	3775921.2	434.8	3.70	1.67
2.89 YES							
L0032425	0	0.33030E-07	461402.2	3775917.6	434.7	3.70	1.67
2.89 YES							
L0032426	0	0.33030E-07	461402.2	3775914.0	434.7	3.70	1.67
2.89 YES							
L0032427	0	0.33030E-07	461402.2	3775910.4	434.6	3.70	1.67
2.89 YES							
L0032428	0	0.33030E-07	461402.2	3775906.8	434.5	3.70	1.67
2.89 YES							
L0032429	0	0.33030E-07	461402.2	3775903.2	434.4	3.70	1.67
2.89 YES							
L0032430	0	0.33030E-07	461402.2	3775899.6	434.4	3.70	1.67
2.89 YES							
L0032431	0	0.33030E-07	461402.1	3775896.0	434.3	3.70	1.67
2.89 YES							
L0032432	0	0.33030E-07	461402.1	3775892.4	434.2	3.70	1.67

```
2.89     YES
 L0032433         0   0.33030E-07  461402.1 3775888.8   434.2     3.70     1.67
2.89     YES
 L0032434         0   0.33030E-07  461402.1 3775885.2   434.1     3.70     1.67
2.89     YES
 L0032435         0   0.33030E-07  461402.1 3775881.6   434.1     3.70     1.67
2.89     YES
 L0032436         0   0.33030E-07  461402.1 3775878.0   434.0     3.70     1.67
2.89     YES
 L0032437         0   0.33030E-07  461402.1 3775874.4   433.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0032438         0   0.33030E-07  461402.1 3775870.8   433.9     3.70     1.67
2.89     YES
 L0032439         0   0.33030E-07  461402.1 3775867.2   433.8     3.70     1.67
2.89     YES
 L0032440         0   0.33030E-07  461402.1 3775863.6   433.8     3.70     1.67
2.89     YES
 L0032441         0   0.33030E-07  461402.1 3775860.0   433.7     3.70     1.67
2.89     YES
 L0032442         0   0.33030E-07  461402.1 3775856.4   433.6     3.70     1.67
2.89     YES
 L0032443         0   0.33030E-07  461402.0 3775852.8   433.5     3.70     1.67
2.89     YES
 L0032444         0   0.33030E-07  461402.0 3775849.2   433.5     3.70     1.67
2.89     YES
 L0032445         0   0.33030E-07  461402.0 3775845.6   433.4     3.70     1.67
2.89     YES
 L0032446         0   0.33030E-07  461402.0 3775842.0   433.3     3.70     1.67
```

2.89 YES							
L0032447	0	0.33030E-07	461402.0	3775838.4	433.2	3.70	1.67
2.89 YES							
L0032448	0	0.33030E-07	461402.0	3775834.8	433.2	3.70	1.67
2.89 YES							
L0032449	0	0.33030E-07	461402.0	3775831.2	433.1	3.70	1.67
2.89 YES							
L0032450	0	0.33030E-07	461402.2	3775827.6	433.0	3.70	1.67
2.89 YES							
L0032451	0	0.33030E-07	461402.4	3775824.0	432.9	3.70	1.67
2.89 YES							
L0032452	0	0.33030E-07	461402.6	3775820.4	432.8	3.70	1.67
2.89 YES							
L0032453	0	0.33030E-07	461402.8	3775816.8	432.7	3.70	1.67
2.89 YES							
L0032454	0	0.33030E-07	461403.1	3775813.2	432.7	3.70	1.67
2.89 YES							
L0032455	0	0.33030E-07	461403.3	3775809.6	432.6	3.70	1.67
2.89 YES							
L0032456	0	0.33030E-07	461403.5	3775806.0	432.5	3.70	1.67
2.89 YES							
L0032457	0	0.33030E-07	461403.8	3775802.4	432.4	3.70	1.67
2.89 YES							
L0032458	0	0.33030E-07	461404.0	3775798.8	432.3	3.70	1.67
2.89 YES							
L0032459	0	0.33030E-07	461404.2	3775795.2	432.2	3.70	1.67
2.89 YES							
L0032460	0	0.33030E-07	461404.5	3775791.6	432.1	3.70	1.67
2.89 YES							
L0032461	0	0.33030E-07	461404.7	3775788.0	432.0	3.70	1.67
2.89 YES							
L0032462	0	0.33030E-07	461405.3	3775784.5	431.9	3.70	1.67
2.89 YES							
L0032463	0	0.33030E-07	461405.9	3775780.9	431.8	3.70	1.67
2.89 YES							
L0032464	0	0.33030E-07	461406.5	3775777.4	431.7	3.70	1.67
2.89 YES							
L0032465	0	0.33030E-07	461407.2	3775773.9	431.6	3.70	1.67
2.89 YES							
L0032466	0	0.33030E-07	461407.8	3775770.3	431.6	3.70	1.67
2.89 YES							
L0032467	0	0.33030E-07	461408.4	3775766.8	431.5	3.70	1.67
2.89 YES							
L0032468	0	0.33030E-07	461408.7	3775763.2	431.4	3.70	1.67
2.89 YES							
L0032469	0	0.33030E-07	461409.0	3775759.6	431.3	3.70	1.67
2.89 YES							
L0032470	0	0.33030E-07	461409.3	3775756.0	431.2	3.70	1.67

2.89 YES
L0032471 0 0.33030E-07 461409.6 3775752.4 431.2 3.70 1.67
2.89 YES
L0032472 0 0.33030E-07 461409.9 3775748.8 431.1 3.70 1.67
2.89 YES
L0032473 0 0.33030E-07 461410.2 3775745.2 431.0 3.70 1.67
2.89 YES
L0032474 0 0.33030E-07 461410.6 3775741.7 430.9 3.70 1.67
2.89 YES
L0032475 0 0.33030E-07 461410.9 3775738.1 430.9 3.70 1.67
2.89 YES
L0032476 0 0.33030E-07 461411.2 3775734.5 430.8 3.70 1.67
2.89 YES
L0032477 0 0.33030E-07 461411.3 3775730.9 430.8 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0032478	0	0.33030E-07	461411.3	3775727.3	430.7	3.70	1.67	2.89	YES	
L0032479	0	0.33030E-07	461411.3	3775723.7	430.6	3.70	1.67	2.89	YES	
L0032480	0	0.33030E-07	461411.3	3775720.1	430.6	3.70	1.67	2.89	YES	
L0032481	0	0.33030E-07	461411.2	3775716.5	430.5	3.70	1.67	2.89	YES	
L0032482	0	0.33030E-07	461411.2	3775712.9	430.4	3.70	1.67	2.89	YES	
L0032483	0	0.33030E-07	461411.2	3775709.3	430.4	3.70	1.67	2.89	YES	
L0032484	0	0.33030E-07	461411.1	3775705.7	430.3	3.70	1.67	2.89	YES	

2.89 YES							
L0032485	0	0.33030E-07	461411.1	3775702.1	430.3	3.70	1.67
2.89 YES							
L0032486	0	0.33030E-07	461411.1	3775698.5	430.2	3.70	1.67
2.89 YES							
L0032487	0	0.33030E-07	461411.1	3775694.9	430.2	3.70	1.67
2.89 YES							
L0032488	0	0.33030E-07	461411.0	3775691.3	430.2	3.70	1.67
2.89 YES							
L0032489	0	0.33030E-07	461411.0	3775687.7	430.1	3.70	1.67
2.89 YES							
L0032490	0	0.33030E-07	461411.0	3775684.1	430.1	3.70	1.67
2.89 YES							
L0032491	0	0.32950E-07	461420.6	3777260.5	462.7	3.70	1.67
2.89 YES							
L0032492	0	0.32950E-07	461420.6	3777256.9	462.7	3.70	1.67
2.89 YES							
L0032493	0	0.32950E-07	461420.6	3777253.3	462.6	3.70	1.67
2.89 YES							
L0032494	0	0.32950E-07	461420.6	3777249.7	462.6	3.70	1.67
2.89 YES							
L0032495	0	0.32950E-07	461420.6	3777246.1	462.5	3.70	1.67
2.89 YES							
L0032496	0	0.32950E-07	461420.6	3777242.5	462.4	3.70	1.67
2.89 YES							
L0032497	0	0.32950E-07	461420.6	3777238.9	462.4	3.70	1.67
2.89 YES							
L0032498	0	0.32950E-07	461420.6	3777235.3	462.3	3.70	1.67
2.89 YES							
L0032499	0	0.32950E-07	461420.6	3777231.7	462.2	3.70	1.67
2.89 YES							
L0032500	0	0.32950E-07	461420.6	3777228.1	462.1	3.70	1.67
2.89 YES							
L0032501	0	0.32950E-07	461420.5	3777224.5	462.1	3.70	1.67
2.89 YES							
L0032502	0	0.32950E-07	461420.5	3777220.9	462.0	3.70	1.67
2.89 YES							
L0032503	0	0.32950E-07	461420.4	3777217.3	461.9	3.70	1.67
2.89 YES							
L0032504	0	0.32950E-07	461420.4	3777213.7	461.8	3.70	1.67
2.89 YES							
L0032505	0	0.32950E-07	461420.3	3777210.1	461.7	3.70	1.67
2.89 YES							
L0032506	0	0.32950E-07	461420.3	3777206.5	461.7	3.70	1.67
2.89 YES							
L0032507	0	0.32950E-07	461420.3	3777202.9	461.6	3.70	1.67
2.89 YES							
L0032508	0	0.32950E-07	461420.2	3777199.3	461.5	3.70	1.67

```
2.89     YES
 L0032509         0   0.32950E-07  461420.2 3777195.7   461.4     3.70     1.67
2.89     YES
 L0032510         0   0.32950E-07  461420.1 3777192.1   461.3     3.70     1.67
2.89     YES
 L0032511         0   0.32950E-07  461420.1 3777188.5   461.3     3.70     1.67
2.89     YES
 L0032512         0   0.32950E-07  461420.0 3777184.9   461.2     3.70     1.67
2.89     YES
 L0032513         0   0.32950E-07  461420.0 3777181.3   461.1     3.70     1.67
2.89     YES
 L0032514         0   0.32950E-07  461419.9 3777177.7   461.0     3.70     1.67
2.89     YES
 L0032515         0   0.32950E-07  461419.9 3777174.1   460.9     3.70     1.67
2.89     YES
 L0032516         0   0.32950E-07  461419.8 3777170.5   460.9     3.70     1.67
2.89     YES
 L0032517         0   0.32950E-07  461419.8 3777166.9   460.8     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032518	0	0.32950E-07	461419.8	3777163.3	460.7	3.70	1.67	2.89	YES	
L0032519	0	0.32950E-07	461419.7	3777159.7	460.6	3.70	1.67	2.89	YES	
L0032520	0	0.32950E-07	461419.7	3777156.1	460.5	3.70	1.67	2.89	YES	
L0032521	0	0.32950E-07	461419.6	3777152.5	460.4	3.70	1.67	2.89	YES	
L0032522	0	0.32950E-07	461419.6	3777148.9	460.4	3.70	1.67	2.89	YES	

2.89 YES							
L0032523	0	0.32950E-07	461419.5	3777145.3	460.3	3.70	1.67
2.89 YES							
L0032524	0	0.32950E-07	461419.5	3777141.7	460.2	3.70	1.67
2.89 YES							
L0032525	0	0.32950E-07	461419.4	3777138.1	460.1	3.70	1.67
2.89 YES							
L0032526	0	0.32950E-07	461419.4	3777134.5	460.0	3.70	1.67
2.89 YES							
L0032527	0	0.32950E-07	461419.3	3777130.9	459.9	3.70	1.67
2.89 YES							
L0032528	0	0.32950E-07	461419.3	3777127.3	459.9	3.70	1.67
2.89 YES							
L0032529	0	0.32950E-07	461419.3	3777123.7	459.8	3.70	1.67
2.89 YES							
L0032530	0	0.32950E-07	461419.2	3777120.1	459.7	3.70	1.67
2.89 YES							
L0032531	0	0.32950E-07	461419.2	3777116.5	459.6	3.70	1.67
2.89 YES							
L0032532	0	0.32950E-07	461419.1	3777112.9	459.6	3.70	1.67
2.89 YES							
L0032533	0	0.32950E-07	461419.1	3777109.3	459.5	3.70	1.67
2.89 YES							
L0032534	0	0.32950E-07	461419.0	3777105.7	459.4	3.70	1.67
2.89 YES							
L0032535	0	0.32950E-07	461419.0	3777102.1	459.4	3.70	1.67
2.89 YES							
L0032536	0	0.32950E-07	461418.9	3777098.5	459.3	3.70	1.67
2.89 YES							
L0032537	0	0.32950E-07	461418.9	3777094.9	459.2	3.70	1.67
2.89 YES							
L0032538	0	0.32950E-07	461418.9	3777091.3	459.1	3.70	1.67
2.89 YES							
L0032539	0	0.32950E-07	461418.9	3777087.7	459.0	3.70	1.67
2.89 YES							
L0032540	0	0.32950E-07	461419.0	3777084.1	458.9	3.70	1.67
2.89 YES							
L0032541	0	0.32950E-07	461419.0	3777080.5	458.8	3.70	1.67
2.89 YES							
L0032542	0	0.32950E-07	461419.1	3777076.9	458.7	3.70	1.67
2.89 YES							
L0032543	0	0.32950E-07	461419.1	3777073.3	458.6	3.70	1.67
2.89 YES							
L0032544	0	0.32950E-07	461419.2	3777069.7	458.5	3.70	1.67
2.89 YES							
L0032545	0	0.32950E-07	461419.2	3777066.1	458.4	3.70	1.67
2.89 YES							
L0032546	0	0.32950E-07	461419.3	3777062.5	458.3	3.70	1.67

```
2.89     YES
 L0032547         0   0.32950E-07  461419.3 3777058.9   458.2     3.70     1.67
2.89     YES
 L0032548         0   0.32950E-07  461419.4 3777055.3   458.1     3.70     1.67
2.89     YES
 L0032549         0   0.32950E-07  461419.4 3777051.7   458.0     3.70     1.67
2.89     YES
 L0032550         0   0.32950E-07  461419.4 3777048.1   457.9     3.70     1.67
2.89     YES
 L0032551         0   0.32950E-07  461419.5 3777044.5   457.9     3.70     1.67
2.89     YES
 L0032552         0   0.32950E-07  461419.5 3777040.9   457.8     3.70     1.67
2.89     YES
 L0032553         0   0.32950E-07  461419.6 3777037.3   457.7     3.70     1.67
2.89     YES
 L0032554         0   0.32950E-07  461419.7 3777033.7   457.6     3.70     1.67
2.89     YES
 L0032555         0   0.32950E-07  461419.8 3777030.1   457.5     3.70     1.67
2.89     YES
 L0032556         0   0.32950E-07  461419.9 3777026.5   457.4     3.70     1.67
2.89     YES
 L0032557         0   0.32950E-07  461420.1 3777022.9   457.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0032558         0   0.32950E-07  461420.2 3777019.3   457.3     3.70     1.67
2.89     YES
 L0032559         0   0.32950E-07  461420.3 3777015.7   457.2     3.70     1.67
2.89     YES
 L0032560         0   0.32950E-07  461420.4 3777012.1   457.2     3.70     1.67
```

2.89	YES							
L0032561	0	0.32950E-07	461420.5	3777008.5	457.1	3.70	1.67	
2.89	YES							
L0032562	0	0.32950E-07	461420.6	3777004.9	457.0	3.70	1.67	
2.89	YES							
L0032563	0	0.32950E-07	461420.7	3777001.3	456.9	3.70	1.67	
2.89	YES							
L0032564	0	0.32950E-07	461420.8	3776997.7	456.9	3.70	1.67	
2.89	YES							
L0032565	0	0.32950E-07	461420.8	3776994.1	456.8	3.70	1.67	
2.89	YES							
L0032566	0	0.32950E-07	461420.7	3776990.5	456.7	3.70	1.67	
2.89	YES							
L0032567	0	0.32950E-07	461420.7	3776986.9	456.6	3.70	1.67	
2.89	YES							
L0032568	0	0.32950E-07	461420.7	3776983.3	456.6	3.70	1.67	
2.89	YES							
L0032569	0	0.32950E-07	461420.7	3776979.7	456.5	3.70	1.67	
2.89	YES							
L0032570	0	0.32950E-07	461420.7	3776976.1	456.4	3.70	1.67	
2.89	YES							
L0032571	0	0.32950E-07	461420.7	3776972.5	456.3	3.70	1.67	
2.89	YES							
L0032572	0	0.32950E-07	461420.7	3776968.9	456.3	3.70	1.67	
2.89	YES							
L0032573	0	0.32950E-07	461420.7	3776965.3	456.2	3.70	1.67	
2.89	YES							
L0032574	0	0.32950E-07	461420.7	3776961.7	456.1	3.70	1.67	
2.89	YES							
L0032575	0	0.32950E-07	461420.7	3776958.1	456.0	3.70	1.67	
2.89	YES							
L0032576	0	0.32950E-07	461420.7	3776954.5	455.9	3.70	1.67	
2.89	YES							
L0032577	0	0.32950E-07	461420.6	3776950.9	455.9	3.70	1.67	
2.89	YES							
L0032578	0	0.32950E-07	461420.6	3776947.3	455.8	3.70	1.67	
2.89	YES							
L0032579	0	0.32950E-07	461420.6	3776943.7	455.7	3.70	1.67	
2.89	YES							
L0032580	0	0.32950E-07	461420.6	3776940.1	455.7	3.70	1.67	
2.89	YES							
L0032581	0	0.32950E-07	461420.6	3776936.5	455.6	3.70	1.67	
2.89	YES							
L0032582	0	0.32950E-07	461420.6	3776932.9	455.5	3.70	1.67	
2.89	YES							
L0032583	0	0.32950E-07	461420.6	3776929.3	455.4	3.70	1.67	
2.89	YES							
L0032584	0	0.32950E-07	461420.6	3776925.7	455.4	3.70	1.67	

```
2.89     YES
 L0032585         0   0.32950E-07  461420.6 3776922.1   455.3     3.70     1.67
2.89     YES
 L0032586         0   0.32950E-07  461420.6 3776918.5   455.2     3.70     1.67
2.89     YES
 L0032587         0   0.32950E-07  461420.6 3776914.9   455.1     3.70     1.67
2.89     YES
 L0032588         0   0.32950E-07  461420.6 3776911.3   455.1     3.70     1.67
2.89     YES
 L0032589         0   0.32950E-07  461420.5 3776907.7   455.0     3.70     1.67
2.89     YES
 L0032590         0   0.32950E-07  461420.5 3776904.1   454.9     3.70     1.67
2.89     YES
 L0032591         0   0.32950E-07  461420.5 3776900.5   454.9     3.70     1.67
2.89     YES
 L0032592         0   0.32950E-07  461420.5 3776896.9   454.8     3.70     1.67
2.89     YES
 L0032593         0   0.32950E-07  461420.5 3776893.3   454.7     3.70     1.67
2.89     YES
 L0032594         0   0.32950E-07  461420.5 3776889.7   454.7     3.70     1.67
2.89     YES
 L0032595         0   0.32950E-07  461420.5 3776886.1   454.6     3.70     1.67
2.89     YES
 L0032596         0   0.32950E-07  461420.5 3776882.5   454.5     3.70     1.67
2.89     YES
 L0032597         0   0.32950E-07  461420.5 3776878.9   454.5     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0032598	0	0.32950E-07	461420.5	3776875.3	454.4	3.70	1.67			

2.89 YES							
L0032599	0	0.32950E-07	461420.5	3776871.7	454.3	3.70	1.67
2.89 YES							
L0032600	0	0.32950E-07	461420.5	3776868.1	454.3	3.70	1.67
2.89 YES							
L0032601	0	0.32950E-07	461420.4	3776864.5	454.2	3.70	1.67
2.89 YES							
L0032602	0	0.32950E-07	461420.4	3776860.9	454.1	3.70	1.67
2.89 YES							
L0032603	0	0.32950E-07	461420.4	3776857.3	454.1	3.70	1.67
2.89 YES							
L0032604	0	0.32950E-07	461420.4	3776853.7	454.0	3.70	1.67
2.89 YES							
L0032605	0	0.32950E-07	461420.4	3776850.1	453.9	3.70	1.67
2.89 YES							
L0032606	0	0.32950E-07	461420.4	3776846.5	453.9	3.70	1.67
2.89 YES							
L0032607	0	0.32950E-07	461420.4	3776842.9	453.8	3.70	1.67
2.89 YES							
L0032608	0	0.32950E-07	461420.4	3776839.3	453.8	3.70	1.67
2.89 YES							
L0032609	0	0.32950E-07	461420.4	3776835.7	453.7	3.70	1.67
2.89 YES							
L0032610	0	0.32950E-07	461420.4	3776832.1	453.6	3.70	1.67
2.89 YES							
L0032611	0	0.32950E-07	461420.4	3776828.5	453.6	3.70	1.67
2.89 YES							
L0032612	0	0.32950E-07	461420.4	3776824.9	453.5	3.70	1.67
2.89 YES							
L0032613	0	0.32950E-07	461420.3	3776821.3	453.4	3.70	1.67
2.89 YES							
L0032614	0	0.32950E-07	461420.3	3776817.7	453.4	3.70	1.67
2.89 YES							
L0032615	0	0.32950E-07	461420.3	3776814.1	453.3	3.70	1.67
2.89 YES							
L0032616	0	0.32950E-07	461420.3	3776810.5	453.2	3.70	1.67
2.89 YES							
L0032617	0	0.32950E-07	461420.3	3776806.9	453.2	3.70	1.67
2.89 YES							
L0032618	0	0.32950E-07	461420.3	3776803.3	453.1	3.70	1.67
2.89 YES							
L0032619	0	0.32950E-07	461420.3	3776799.7	453.0	3.70	1.67
2.89 YES							
L0032620	0	0.32950E-07	461420.3	3776796.1	453.0	3.70	1.67
2.89 YES							
L0032621	0	0.32950E-07	461420.2	3776792.5	452.9	3.70	1.67
2.89 YES							
L0032622	0	0.32950E-07	461420.2	3776788.9	452.8	3.70	1.67

```
2.89     YES
 L0032623         0   0.32950E-07  461420.2 3776785.3   452.8     3.70     1.67
2.89     YES
 L0032624         0   0.32950E-07  461420.2 3776781.7   452.7     3.70     1.67
2.89     YES
 L0032625         0   0.32950E-07  461420.1 3776778.1   452.6     3.70     1.67
2.89     YES
 L0032626         0   0.32950E-07  461420.1 3776774.5   452.6     3.70     1.67
2.89     YES
 L0032627         0   0.32950E-07  461420.1 3776770.9   452.5     3.70     1.67
2.89     YES
 L0032628         0   0.32950E-07  461420.0 3776767.3   452.4     3.70     1.67
2.89     YES
 L0032629         0   0.32950E-07  461420.0 3776763.8   452.3     3.70     1.67
2.89     YES
 L0032630         0   0.32950E-07  461420.0 3776760.1   452.3     3.70     1.67
2.89     YES
 L0032631         0   0.32950E-07  461420.0 3776756.5   452.2     3.70     1.67
2.89     YES
 L0032632         0   0.32950E-07  461419.9 3776752.9   452.1     3.70     1.67
2.89     YES
 L0032633         0   0.32950E-07  461419.9 3776749.3   452.1     3.70     1.67
2.89     YES
 L0032634         0   0.32950E-07  461419.9 3776745.8   452.0     3.70     1.67
2.89     YES
 L0032635         0   0.32950E-07  461419.9 3776742.1   451.9     3.70     1.67
2.89     YES
 L0032636         0   0.32950E-07  461419.8 3776738.6   451.9     3.70     1.67
2.89     YES
 L0032637         0   0.32950E-07  461419.8 3776735.0   451.8     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

L0032638	0	0.32950E-07	461419.8	3776731.4	451.7	3.70	1.67	2.89 YES
L0032639	0	0.32950E-07	461419.7	3776727.8	451.7	3.70	1.67	2.89 YES
L0032640	0	0.32950E-07	461419.7	3776724.2	451.6	3.70	1.67	2.89 YES
L0032641	0	0.32950E-07	461419.7	3776720.6	451.5	3.70	1.67	2.89 YES
L0032642	0	0.32950E-07	461419.7	3776717.0	451.4	3.70	1.67	2.89 YES
L0032643	0	0.32950E-07	461419.6	3776713.4	451.3	3.70	1.67	2.89 YES
L0032644	0	0.32950E-07	461419.6	3776709.8	451.2	3.70	1.67	2.89 YES
L0032645	0	0.32950E-07	461419.6	3776706.2	451.1	3.70	1.67	2.89 YES
L0032646	0	0.32950E-07	461419.5	3776702.6	451.1	3.70	1.67	2.89 YES
L0032647	0	0.32950E-07	461419.5	3776699.0	451.0	3.70	1.67	2.89 YES
L0032648	0	0.32950E-07	461419.5	3776695.4	450.9	3.70	1.67	2.89 YES
L0032649	0	0.32950E-07	461419.5	3776691.8	450.8	3.70	1.67	2.89 YES
L0032650	0	0.32950E-07	461419.4	3776688.2	450.6	3.70	1.67	2.89 YES
L0032651	0	0.32950E-07	461419.4	3776684.6	450.5	3.70	1.67	2.89 YES
L0032652	0	0.32950E-07	461419.4	3776681.0	450.4	3.70	1.67	2.89 YES
L0032653	0	0.32950E-07	461419.3	3776677.4	450.3	3.70	1.67	2.89 YES
L0032654	0	0.32950E-07	461419.3	3776673.8	450.2	3.70	1.67	2.89 YES
L0032655	0	0.32950E-07	461419.3	3776670.2	450.0	3.70	1.67	2.89 YES
L0032656	0	0.32950E-07	461419.3	3776666.6	449.9	3.70	1.67	2.89 YES
L0032657	0	0.32950E-07	461419.2	3776663.0	449.8	3.70	1.67	2.89 YES
L0032658	0	0.32950E-07	461419.2	3776659.4	449.7	3.70	1.67	2.89 YES
L0032659	0	0.32950E-07	461419.2	3776655.8	449.6	3.70	1.67	2.89 YES
L0032660	0	0.32950E-07	461419.1	3776652.2	449.5	3.70	1.67	

```
2.89     YES
 L0032661         0   0.32950E-07  461419.1 3776648.6   449.4     3.70     1.67
2.89     YES
 L0032662         0   0.32950E-07  461419.1 3776645.0   449.4     3.70     1.67
2.89     YES
 L0032663         0   0.32950E-07  461419.1 3776641.4   449.3     3.70     1.67
2.89     YES
 L0032664         0   0.32950E-07  461419.0 3776637.8   449.2     3.70     1.67
2.89     YES
 L0032665         0   0.32950E-07  461419.0 3776634.2   449.1     3.70     1.67
2.89     YES
 L0032666         0   0.32950E-07  461419.0 3776630.6   449.0     3.70     1.67
2.89     YES
 L0032667         0   0.32950E-07  461419.0 3776627.0   448.9     3.70     1.67
2.89     YES
 L0032668         0   0.32950E-07  461418.9 3776623.4   448.9     3.70     1.67
2.89     YES
 L0032669         0   0.32950E-07  461418.9 3776619.8   448.8     3.70     1.67
2.89     YES
 L0032670         0   0.32950E-07  461418.9 3776616.2   448.7     3.70     1.67
2.89     YES
 L0032671         0   0.32950E-07  461418.8 3776612.6   448.7     3.70     1.67
2.89     YES
 L0032672         0   0.32950E-07  461418.8 3776609.0   448.6     3.70     1.67
2.89     YES
 L0032673         0   0.32950E-07  461418.8 3776605.4   448.5     3.70     1.67
2.89     YES
 L0032674         0   0.32950E-07  461418.8 3776601.8   448.5     3.70     1.67
2.89     YES
 L0032675         0   0.32950E-07  461418.7 3776598.2   448.4     3.70     1.67
2.89     YES
 L0032676         0   0.32950E-07  461418.7 3776594.6   448.4     3.70     1.67
2.89     YES
 L0032677         0   0.32950E-07  461418.7 3776591.0   448.3     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE

SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ SOURCE VARY BY
L0032678	0	0.32950E-07	461418.6	3776587.4	448.2	3.70	1.67	2.89 YES
L0032679	0	0.32950E-07	461418.6	3776583.8	448.2	3.70	1.67	2.89 YES
L0032680	0	0.32950E-07	461418.6	3776580.2	448.1	3.70	1.67	2.89 YES
L0032681	0	0.32950E-07	461418.6	3776576.6	448.1	3.70	1.67	2.89 YES
L0032682	0	0.32950E-07	461418.5	3776573.0	448.0	3.70	1.67	2.89 YES
L0032683	0	0.32950E-07	461418.5	3776569.4	447.9	3.70	1.67	2.89 YES
L0032684	0	0.32950E-07	461418.5	3776565.8	447.9	3.70	1.67	2.89 YES
L0032685	0	0.32950E-07	461418.4	3776562.2	447.8	3.70	1.67	2.89 YES
L0032686	0	0.32950E-07	461418.4	3776558.6	447.7	3.70	1.67	2.89 YES
L0032687	0	0.32950E-07	461418.4	3776555.0	447.7	3.70	1.67	2.89 YES
L0032688	0	0.32950E-07	461418.4	3776551.4	447.6	3.70	1.67	2.89 YES
L0032689	0	0.32950E-07	461418.3	3776547.8	447.5	3.70	1.67	2.89 YES
L0032690	0	0.32950E-07	461418.3	3776544.2	447.4	3.70	1.67	2.89 YES
L0032691	0	0.32950E-07	461418.3	3776540.6	447.4	3.70	1.67	2.89 YES
L0032692	0	0.32950E-07	461418.2	3776537.0	447.3	3.70	1.67	2.89 YES
L0032693	0	0.32950E-07	461418.2	3776533.4	447.2	3.70	1.67	2.89 YES
L0032694	0	0.32950E-07	461418.2	3776529.8	447.2	3.70	1.67	2.89 YES
L0032695	0	0.32950E-07	461418.2	3776526.2	447.1	3.70	1.67	2.89 YES
L0032696	0	0.32950E-07	461418.1	3776522.6	447.0	3.70	1.67	2.89 YES
L0032697	0	0.32950E-07	461418.1	3776519.0	447.0	3.70	1.67	2.89 YES
L0032698	0	0.32950E-07	461418.1	3776515.4	446.9	3.70	1.67	

```
2.89     YES
 L0032699         0   0.32950E-07  461418.0 3776511.8   446.8     3.70     1.67
2.89     YES
 L0032700         0   0.32950E-07  461418.0 3776508.2   446.8     3.70     1.67
2.89     YES
 L0032701         0   0.32950E-07  461418.0 3776504.6   446.7     3.70     1.67
2.89     YES
 L0032702         0   0.32950E-07  461418.0 3776501.0   446.6     3.70     1.67
2.89     YES
 L0032703         0   0.32950E-07  461417.9 3776497.4   446.6     3.70     1.67
2.89     YES
 L0032704         0   0.32950E-07  461417.9 3776493.8   446.5     3.70     1.67
2.89     YES
 L0032705         0   0.32950E-07  461417.9 3776490.2   446.4     3.70     1.67
2.89     YES
 L0032706         0   0.32950E-07  461417.8 3776486.6   446.3     3.70     1.67
2.89     YES
 L0032707         0   0.32950E-07  461417.8 3776483.0   446.3     3.70     1.67
2.89     YES
 L0032708         0   0.32950E-07  461417.8 3776479.4   446.2     3.70     1.67
2.89     YES
 L0032709         0   0.32950E-07  461417.8 3776475.8   446.1     3.70     1.67
2.89     YES
 L0032710         0   0.32950E-07  461417.7 3776472.2   446.0     3.70     1.67
2.89     YES
 L0032711         0   0.32950E-07  461417.7 3776468.6   446.0     3.70     1.67
2.89     YES
 L0032712         0   0.32950E-07  461417.7 3776465.0   445.9     3.70     1.67
2.89     YES
 L0032713         0   0.32950E-07  461417.7 3776461.4   445.8     3.70     1.67
2.89     YES
 L0032714         0   0.32950E-07  461417.6 3776457.8   445.7     3.70     1.67
2.89     YES
 L0032715         0   0.32950E-07  461417.6 3776454.2   445.7     3.70     1.67
2.89     YES
 L0032716         0   0.32950E-07  461417.6 3776450.6   445.6     3.70     1.67
2.89     YES
 L0032717         0   0.32950E-07  461417.5 3776447.0   445.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0032718	0	0.32950E-07	461417.5	3776443.4	445.4	3.70	1.67	2.89	YES
L0032719	0	0.32950E-07	461417.5	3776439.8	445.3	3.70	1.67	2.89	YES
L0032720	0	0.32950E-07	461417.5	3776436.2	445.3	3.70	1.67	2.89	YES
L0032721	0	0.32950E-07	461417.4	3776432.6	445.2	3.70	1.67	2.89	YES
L0032722	0	0.32950E-07	461417.4	3776429.0	445.1	3.70	1.67	2.89	YES
L0032723	0	0.32950E-07	461417.4	3776425.4	445.0	3.70	1.67	2.89	YES
L0032724	0	0.32950E-07	461417.3	3776421.8	444.9	3.70	1.67	2.89	YES
L0032725	0	0.32950E-07	461417.3	3776418.2	444.9	3.70	1.67	2.89	YES
L0032726	0	0.32950E-07	461417.3	3776414.6	444.8	3.70	1.67	2.89	YES
L0032727	0	0.32950E-07	461417.3	3776411.0	444.7	3.70	1.67	2.89	YES
L0032728	0	0.32950E-07	461417.2	3776407.4	444.7	3.70	1.67	2.89	YES
L0032729	0	0.32950E-07	461417.2	3776403.8	444.6	3.70	1.67	2.89	YES
L0032730	0	0.32950E-07	461417.2	3776400.2	444.5	3.70	1.67	2.89	YES
L0032731	0	0.32950E-07	461417.1	3776396.6	444.4	3.70	1.67	2.89	YES
L0032732	0	0.32950E-07	461417.1	3776393.0	444.4	3.70	1.67	2.89	YES
L0032733	0	0.32950E-07	461417.1	3776389.4	444.3	3.70	1.67	2.89	YES
L0032734	0	0.32950E-07	461417.1	3776385.8	444.2	3.70	1.67	2.89	YES
L0032735	0	0.32950E-07	461417.0	3776382.2	444.2	3.70	1.67	2.89	YES
L0032736	0	0.32950E-07	461417.0	3776378.6	444.1	3.70	1.67		

2.89 YES							
L0032737	0	0.32950E-07	461417.0	3776375.0	444.0	3.70	1.67
2.89 YES							
L0032738	0	0.32950E-07	461416.9	3776371.4	444.0	3.70	1.67
2.89 YES							
L0032739	0	0.32950E-07	461416.9	3776367.8	443.9	3.70	1.67
2.89 YES							
L0032740	0	0.32950E-07	461416.9	3776364.2	443.8	3.70	1.67
2.89 YES							
L0032741	0	0.32950E-07	461416.9	3776360.6	443.8	3.70	1.67
2.89 YES							
L0032742	0	0.32950E-07	461416.8	3776357.0	443.7	3.70	1.67
2.89 YES							
L0032743	0	0.32950E-07	461416.8	3776353.4	443.6	3.70	1.67
2.89 YES							
L0032744	0	0.32950E-07	461416.8	3776349.8	443.5	3.70	1.67
2.89 YES							
L0032745	0	0.32950E-07	461416.8	3776346.2	443.5	3.70	1.67
2.89 YES							
L0032746	0	0.32950E-07	461416.7	3776342.6	443.4	3.70	1.67
2.89 YES							
L0032747	0	0.32950E-07	461416.7	3776339.0	443.3	3.70	1.67
2.89 YES							
L0032748	0	0.32950E-07	461416.7	3776335.4	443.2	3.70	1.67
2.89 YES							
L0032749	0	0.32950E-07	461416.6	3776331.8	443.2	3.70	1.67
2.89 YES							
L0032750	0	0.32950E-07	461416.6	3776328.2	443.1	3.70	1.67
2.89 YES							
L0032751	0	0.32950E-07	461416.6	3776324.6	443.0	3.70	1.67
2.89 YES							
L0032752	0	0.32950E-07	461416.6	3776321.0	442.9	3.70	1.67
2.89 YES							
L0032753	0	0.32950E-07	461416.5	3776317.4	442.9	3.70	1.67
2.89 YES							
L0032754	0	0.32950E-07	461416.5	3776313.8	442.8	3.70	1.67
2.89 YES							
L0032755	0	0.32950E-07	461416.5	3776310.2	442.7	3.70	1.67
2.89 YES							
L0032756	0	0.32950E-07	461416.4	3776306.6	442.6	3.70	1.67
2.89 YES							
L0032757	0	0.32950E-07	461416.4	3776303.0	442.5	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE EMISSION RATE VARY BY
L0032758	0	0.32950E-07	461416.4	3776299.4	442.4	3.70	1.67	2.89	YES
L0032759	0	0.32950E-07	461416.4	3776295.8	442.4	3.70	1.67	2.89	YES
L0032760	0	0.32950E-07	461416.3	3776292.2	442.3	3.70	1.67	2.89	YES
L0032761	0	0.32950E-07	461416.3	3776288.6	442.2	3.70	1.67	2.89	YES
L0032762	0	0.32950E-07	461416.3	3776285.0	442.1	3.70	1.67	2.89	YES
L0032763	0	0.32950E-07	461416.2	3776281.4	442.0	3.70	1.67	2.89	YES
L0032764	0	0.32950E-07	461416.2	3776277.8	441.9	3.70	1.67	2.89	YES
L0032765	0	0.32950E-07	461416.2	3776274.2	441.8	3.70	1.67	2.89	YES
L0032766	0	0.32950E-07	461416.2	3776270.6	441.7	3.70	1.67	2.89	YES
L0032767	0	0.32950E-07	461416.1	3776267.0	441.6	3.70	1.67	2.89	YES
L0032768	0	0.32950E-07	461416.1	3776263.4	441.5	3.70	1.67	2.89	YES
L0032769	0	0.32950E-07	461416.1	3776259.8	441.5	3.70	1.67	2.89	YES
L0032770	0	0.32950E-07	461416.0	3776256.2	441.4	3.70	1.67	2.89	YES
L0032771	0	0.32950E-07	461416.0	3776252.6	441.3	3.70	1.67	2.89	YES
L0032772	0	0.32950E-07	461416.0	3776249.0	441.2	3.70	1.67	2.89	YES
L0032773	0	0.32950E-07	461416.0	3776245.4	441.1	3.70	1.67	2.89	YES
L0032774	0	0.32950E-07	461415.9	3776241.8	441.1	3.70	1.67		

2.89 YES							
L0032775	0	0.32950E-07	461415.9	3776238.2	441.0	3.70	1.67
2.89 YES							
L0032776	0	0.32950E-07	461415.9	3776234.6	440.9	3.70	1.67
2.89 YES							
L0032777	0	0.32950E-07	461415.8	3776231.0	440.8	3.70	1.67
2.89 YES							
L0032778	0	0.32950E-07	461415.8	3776227.4	440.7	3.70	1.67
2.89 YES							
L0032779	0	0.32950E-07	461415.8	3776223.8	440.6	3.70	1.67
2.89 YES							
L0032780	0	0.32950E-07	461415.8	3776220.2	440.6	3.70	1.67
2.89 YES							
L0032781	0	0.32950E-07	461415.7	3776216.6	440.5	3.70	1.67
2.89 YES							
L0032782	0	0.32950E-07	461415.7	3776213.0	440.4	3.70	1.67
2.89 YES							
L0032783	0	0.32950E-07	461415.7	3776209.4	440.3	3.70	1.67
2.89 YES							
L0032784	0	0.32950E-07	461415.7	3776205.8	440.2	3.70	1.67
2.89 YES							
L0032785	0	0.32950E-07	461415.6	3776202.2	440.1	3.70	1.67
2.89 YES							
L0032786	0	0.32950E-07	461415.6	3776198.6	440.0	3.70	1.67
2.89 YES							
L0032787	0	0.32950E-07	461415.6	3776195.0	440.0	3.70	1.67
2.89 YES							
L0032788	0	0.32950E-07	461415.5	3776191.4	439.9	3.70	1.67
2.89 YES							
L0032789	0	0.32950E-07	461415.5	3776187.8	439.8	3.70	1.67
2.89 YES							
L0032790	0	0.32950E-07	461415.5	3776184.2	439.7	3.70	1.67
2.89 YES							
L0032791	0	0.32950E-07	461415.5	3776180.6	439.6	3.70	1.67
2.89 YES							
L0032792	0	0.32950E-07	461415.4	3776177.0	439.5	3.70	1.67
2.89 YES							
L0032793	0	0.32950E-07	461415.4	3776173.4	439.4	3.70	1.67
2.89 YES							
L0032794	0	0.32950E-07	461415.4	3776169.8	439.4	3.70	1.67
2.89 YES							
L0032795	0	0.32950E-07	461415.3	3776166.2	439.3	3.70	1.67
2.89 YES							
L0032796	0	0.32950E-07	461415.3	3776162.6	439.2	3.70	1.67
2.89 YES							
L0032797	0	0.32950E-07	461415.3	3776159.0	439.1	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY
L0032798	0	0.32950E-07	461415.3	3776155.4	439.1	3.70	1.67	2.89	YES	
L0032799	0	0.32950E-07	461415.2	3776151.8	439.0	3.70	1.67	2.89	YES	
L0032800	0	0.32950E-07	461415.2	3776148.2	438.9	3.70	1.67	2.89	YES	
L0032801	0	0.32950E-07	461415.2	3776144.6	438.8	3.70	1.67	2.89	YES	
L0032802	0	0.32950E-07	461415.1	3776141.0	438.7	3.70	1.67	2.89	YES	
L0032803	0	0.32950E-07	461415.1	3776137.4	438.7	3.70	1.67	2.89	YES	
L0032804	0	0.32950E-07	461415.1	3776133.8	438.6	3.70	1.67	2.89	YES	
L0032805	0	0.32950E-07	461415.1	3776130.2	438.5	3.70	1.67	2.89	YES	
L0032806	0	0.32950E-07	461415.0	3776126.6	438.4	3.70	1.67	2.89	YES	
L0032807	0	0.32950E-07	461415.0	3776123.0	438.4	3.70	1.67	2.89	YES	
L0032808	0	0.32950E-07	461415.0	3776119.4	438.3	3.70	1.67	2.89	YES	
L0032809	0	0.32950E-07	461414.9	3776115.8	438.2	3.70	1.67	2.89	YES	
L0032810	0	0.32950E-07	461414.9	3776112.2	438.1	3.70	1.67	2.89	YES	
L0032811	0	0.32950E-07	461414.9	3776108.6	438.1	3.70	1.67	2.89	YES	
L0032812	0	0.32950E-07	461414.9	3776105.0	438.0	3.70	1.67			

2.89 YES							
L0032813	0	0.32950E-07	461414.8	3776101.4	437.9	3.70	1.67
2.89 YES							
L0032814	0	0.32950E-07	461414.8	3776097.8	437.8	3.70	1.67
2.89 YES							
L0032815	0	0.32950E-07	461414.8	3776094.2	437.8	3.70	1.67
2.89 YES							
L0032816	0	0.32950E-07	461414.7	3776090.6	437.7	3.70	1.67
2.89 YES							
L0032817	0	0.32950E-07	461414.7	3776087.0	437.6	3.70	1.67
2.89 YES							
L0032818	0	0.32950E-07	461414.7	3776083.4	437.6	3.70	1.67
2.89 YES							
L0032819	0	0.32950E-07	461414.7	3776079.8	437.5	3.70	1.67
2.89 YES							
L0032820	0	0.32950E-07	461414.6	3776076.2	437.4	3.70	1.67
2.89 YES							
L0032821	0	0.32950E-07	461414.6	3776072.6	437.3	3.70	1.67
2.89 YES							
L0032822	0	0.32950E-07	461414.6	3776069.0	437.2	3.70	1.67
2.89 YES							
L0032823	0	0.32950E-07	461414.6	3776065.4	437.1	3.70	1.67
2.89 YES							
L0032824	0	0.32950E-07	461414.5	3776061.8	437.0	3.70	1.67
2.89 YES							
L0032825	0	0.32950E-07	461414.5	3776058.2	436.9	3.70	1.67
2.89 YES							
L0032826	0	0.32950E-07	461414.5	3776054.6	436.9	3.70	1.67
2.89 YES							
L0032827	0	0.32950E-07	461414.4	3776051.0	436.8	3.70	1.67
2.89 YES							
L0032828	0	0.32950E-07	461414.4	3776047.4	436.7	3.70	1.67
2.89 YES							
L0032829	0	0.32950E-07	461414.4	3776043.8	436.6	3.70	1.67
2.89 YES							
L0032830	0	0.32950E-07	461414.4	3776040.2	436.6	3.70	1.67
2.89 YES							
L0032831	0	0.32950E-07	461414.3	3776036.6	436.5	3.70	1.67
2.89 YES							
L0032832	0	0.32950E-07	461414.3	3776033.0	436.4	3.70	1.67
2.89 YES							
L0032833	0	0.32950E-07	461414.3	3776029.4	436.4	3.70	1.67
2.89 YES							
L0032834	0	0.32950E-07	461414.2	3776025.8	436.3	3.70	1.67
2.89 YES							
L0032835	0	0.32950E-07	461414.2	3776022.2	436.2	3.70	1.67
2.89 YES							
L0032836	0	0.32950E-07	461414.2	3776018.6	436.2	3.70	1.67

```
2.89     YES
 L0032837         0   0.32950E-07  461414.2 3776015.0   436.1     3.70     1.67
2.89     YES
↟ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:24:12

                                   PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0032838         0   0.32950E-07  461414.1 3776011.4   436.1     3.70     1.67
2.89     YES
 L0032839         0   0.32950E-07  461414.1 3776007.8   436.0     3.70     1.67
2.89     YES
 L0032840         0   0.32950E-07  461414.1 3776004.2   436.0     3.70     1.67
2.89     YES
 L0032841         0   0.32950E-07  461414.0 3776000.6   435.9     3.70     1.67
2.89     YES
 L0032842         0   0.32950E-07  461414.0 3775997.0   435.9     3.70     1.67
2.89     YES
 L0032843         0   0.32950E-07  461413.9 3775993.4   435.8     3.70     1.67
2.89     YES
 L0032844         0   0.32950E-07  461413.9 3775989.8   435.7     3.70     1.67
2.89     YES
 L0032845         0   0.32950E-07  461413.9 3775986.2   435.7     3.70     1.67
2.89     YES
 L0032846         0   0.32950E-07  461413.8 3775982.6   435.6     3.70     1.67
2.89     YES
 L0032847         0   0.32950E-07  461413.8 3775979.0   435.6     3.70     1.67
2.89     YES
 L0032848         0   0.32950E-07  461413.7 3775975.4   435.5     3.70     1.67
2.89     YES
 L0032849         0   0.32950E-07  461413.7 3775971.8   435.5     3.70     1.67
2.89     YES
 L0032850         0   0.32950E-07  461413.7 3775968.2   435.4     3.70     1.67
```

2.89 YES							
L0032851	0	0.32950E-07	461413.6	3775964.6	435.4	3.70	1.67
2.89 YES							
L0032852	0	0.32950E-07	461413.6	3775961.0	435.3	3.70	1.67
2.89 YES							
L0032853	0	0.32950E-07	461413.6	3775957.4	435.2	3.70	1.67
2.89 YES							
L0032854	0	0.32950E-07	461413.5	3775953.8	435.2	3.70	1.67
2.89 YES							
L0032855	0	0.32950E-07	461413.5	3775950.2	435.1	3.70	1.67
2.89 YES							
L0032856	0	0.32950E-07	461413.4	3775946.6	435.1	3.70	1.67
2.89 YES							
L0032857	0	0.32950E-07	461413.4	3775943.0	435.0	3.70	1.67
2.89 YES							
L0032858	0	0.32950E-07	461413.4	3775939.4	434.9	3.70	1.67
2.89 YES							
L0032859	0	0.32950E-07	461413.3	3775935.8	434.9	3.70	1.67
2.89 YES							
L0032860	0	0.32950E-07	461413.3	3775932.2	434.8	3.70	1.67
2.89 YES							
L0032861	0	0.32950E-07	461413.2	3775928.6	434.8	3.70	1.67
2.89 YES							
L0032862	0	0.32950E-07	461413.2	3775925.0	434.7	3.70	1.67
2.89 YES							
L0032863	0	0.32950E-07	461413.2	3775921.4	434.6	3.70	1.67
2.89 YES							
L0032864	0	0.32950E-07	461413.1	3775917.8	434.6	3.70	1.67
2.89 YES							
L0032865	0	0.32950E-07	461413.1	3775914.2	434.5	3.70	1.67
2.89 YES							
L0032866	0	0.32950E-07	461413.0	3775910.6	434.4	3.70	1.67
2.89 YES							
L0032867	0	0.32950E-07	461413.0	3775907.0	434.4	3.70	1.67
2.89 YES							
L0032868	0	0.32950E-07	461413.0	3775903.4	434.3	3.70	1.67
2.89 YES							
L0032869	0	0.32950E-07	461412.9	3775899.8	434.3	3.70	1.67
2.89 YES							
L0032870	0	0.32950E-07	461412.9	3775896.2	434.2	3.70	1.67
2.89 YES							
L0032871	0	0.32950E-07	461412.9	3775892.6	434.2	3.70	1.67
2.89 YES							
L0032872	0	0.32950E-07	461412.8	3775889.0	434.1	3.70	1.67
2.89 YES							
L0032873	0	0.32950E-07	461412.8	3775885.4	434.0	3.70	1.67
2.89 YES							
L0032874	0	0.32950E-07	461412.7	3775881.8	434.0	3.70	1.67

```
2.89     YES
 L0032875         0   0.32950E-07  461412.7 3775878.2   433.9     3.70     1.67
2.89     YES
 L0032876         0   0.32950E-07  461412.7 3775874.6   433.9     3.70     1.67
2.89     YES
 L0032877         0   0.32950E-07  461412.6 3775871.0   433.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0032878         0   0.32950E-07  461412.6 3775867.4   433.8     3.70     1.67
2.89     YES
 L0032879         0   0.32950E-07  461412.5 3775863.8   433.7     3.70     1.67
2.89     YES
 L0032880         0   0.32950E-07  461412.5 3775860.2   433.6     3.70     1.67
2.89     YES
 L0032881         0   0.32950E-07  461412.5 3775856.6   433.6     3.70     1.67
2.89     YES
 L0032882         0   0.32950E-07  461412.4 3775853.0   433.5     3.70     1.67
2.89     YES
 L0032883         0   0.32950E-07  461412.4 3775849.4   433.4     3.70     1.67
2.89     YES
 L0032884         0   0.32950E-07  461412.3 3775845.8   433.4     3.70     1.67
2.89     YES
 L0032885         0   0.32950E-07  461412.3 3775842.2   433.3     3.70     1.67
2.89     YES
 L0032886         0   0.32950E-07  461412.3 3775838.6   433.2     3.70     1.67
2.89     YES
 L0032887         0   0.32950E-07  461412.2 3775835.0   433.2     3.70     1.67
2.89     YES
 L0032888         0   0.32950E-07  461412.2 3775831.4   433.1     3.70     1.67
```

2.89 YES							
L0032889	0	0.32950E-07	461412.2	3775827.8	433.0	3.70	1.67
2.89 YES							
L0032890	0	0.32950E-07	461412.3	3775824.2	432.9	3.70	1.67
2.89 YES							
L0032891	0	0.32950E-07	461412.6	3775820.6	432.8	3.70	1.67
2.89 YES							
L0032892	0	0.32950E-07	461413.0	3775817.0	432.7	3.70	1.67
2.89 YES							
L0032893	0	0.32950E-07	461413.3	3775813.4	432.7	3.70	1.67
2.89 YES							
L0032894	0	0.32950E-07	461413.7	3775809.9	432.6	3.70	1.67
2.89 YES							
L0032895	0	0.32950E-07	461414.0	3775806.3	432.5	3.70	1.67
2.89 YES							
L0032896	0	0.32950E-07	461414.3	3775802.7	432.4	3.70	1.67
2.89 YES							
L0032897	0	0.32950E-07	461414.9	3775799.1	432.3	3.70	1.67
2.89 YES							
L0032898	0	0.32950E-07	461415.6	3775795.6	432.2	3.70	1.67
2.89 YES							
L0032899	0	0.32950E-07	461416.3	3775792.1	432.2	3.70	1.67
2.89 YES							
L0032900	0	0.32950E-07	461417.0	3775788.5	432.1	3.70	1.67
2.89 YES							
L0032901	0	0.32950E-07	461417.7	3775785.0	432.0	3.70	1.67
2.89 YES							
L0032902	0	0.32950E-07	461418.4	3775781.5	431.9	3.70	1.67
2.89 YES							
L0032903	0	0.32950E-07	461419.2	3775778.0	431.9	3.70	1.67
2.89 YES							
L0032904	0	0.32950E-07	461419.9	3775774.4	431.8	3.70	1.67
2.89 YES							
L0032905	0	0.32950E-07	461420.6	3775770.9	431.7	3.70	1.67
2.89 YES							
L0032906	0	0.32950E-07	461421.0	3775767.3	431.7	3.70	1.67
2.89 YES							
L0032907	0	0.32950E-07	461421.4	3775763.7	431.6	3.70	1.67
2.89 YES							
L0032908	0	0.32950E-07	461421.8	3775760.2	431.6	3.70	1.67
2.89 YES							
L0032909	0	0.32950E-07	461422.1	3775756.6	431.5	3.70	1.67
2.89 YES							
L0032910	0	0.32950E-07	461422.5	3775753.0	431.4	3.70	1.67
2.89 YES							
L0032911	0	0.32950E-07	461422.7	3775749.4	431.4	3.70	1.67
2.89 YES							
L0032912	0	0.32950E-07	461422.7	3775745.8	431.3	3.70	1.67

```
2.89     YES
 L0032913         0   0.32950E-07  461422.7 3775742.2   431.2     3.70     1.67
2.89     YES
 L0032914         0   0.32950E-07  461422.7 3775738.6   431.2     3.70     1.67
2.89     YES
 L0032915         0   0.32950E-07  461422.7 3775735.0   431.1     3.70     1.67
2.89     YES
 L0032916         0   0.32950E-07  461422.7 3775731.4   431.0     3.70     1.67
2.89     YES
 L0032917         0   0.32950E-07  461422.7 3775727.8   430.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0032918         0   0.32950E-07  461422.7 3775724.2   430.8     3.70     1.67
2.89     YES
 L0032919         0   0.32950E-07  461422.7 3775720.6   430.8     3.70     1.67
2.89     YES
 L0032920         0   0.32950E-07  461422.7 3775717.0   430.7     3.70     1.67
2.89     YES
 L0032921         0   0.32950E-07  461422.7 3775713.4   430.6     3.70     1.67
2.89     YES
 L0032922         0   0.32950E-07  461422.7 3775709.8   430.5     3.70     1.67
2.89     YES
 L0032923         0   0.32950E-07  461422.7 3775706.2   430.4     3.70     1.67
2.89     YES
 L0032924         0   0.32950E-07  461422.7 3775702.6   430.4     3.70     1.67
2.89     YES
 L0032925         0   0.32950E-07  461422.7 3775699.0   430.3     3.70     1.67
2.89     YES
 L0032926         0   0.32950E-07  461422.7 3775695.4   430.3     3.70     1.67
```

2.89 YES							
L0032927	0	0.32950E-07	461422.7	3775691.8	430.2	3.70	1.67
2.89 YES							
L0032928	0	0.26700E-07	461412.7	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032929	0	0.26700E-07	461416.3	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032930	0	0.26700E-07	461419.9	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032931	0	0.26700E-07	461423.5	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032932	0	0.26700E-07	461427.1	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032933	0	0.26700E-07	461430.7	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032934	0	0.26700E-07	461434.3	3775682.2	430.0	3.70	1.67
2.89 YES							
L0032935	0	0.26700E-07	461437.9	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032936	0	0.26700E-07	461441.5	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032937	0	0.26700E-07	461445.1	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032938	0	0.26700E-07	461448.7	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032939	0	0.26700E-07	461452.3	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032940	0	0.26700E-07	461455.9	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032941	0	0.26700E-07	461459.5	3775682.3	430.0	3.70	1.67
2.89 YES							
L0032942	0	0.26700E-07	461463.1	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032943	0	0.26700E-07	461466.7	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032944	0	0.26700E-07	461470.3	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032945	0	0.26700E-07	461473.9	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032946	0	0.26700E-07	461477.5	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032947	0	0.26700E-07	461481.1	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032948	0	0.26700E-07	461484.7	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032949	0	0.26700E-07	461488.3	3775682.3	429.9	3.70	1.67
2.89 YES							
L0032950	0	0.26700E-07	461491.9	3775682.3	429.9	3.70	1.67

2.89 YES
L0032951 0 0.26700E-07 461495.5 3775682.3 429.9 3.70 1.67
2.89 YES
L0032952 0 0.26700E-07 461499.1 3775682.3 429.9 3.70 1.67
2.89 YES
L0032953 0 0.26700E-07 461502.7 3775682.3 429.9 3.70 1.67
2.89 YES
L0032954 0 0.26700E-07 461506.3 3775682.3 429.9 3.70 1.67
2.89 YES
L0032955 0 0.26700E-07 461509.9 3775682.3 429.9 3.70 1.67
2.89 YES
L0032956 0 0.26700E-07 461513.5 3775682.3 429.9 3.70 1.67
2.89 YES
L0032957 0 0.26700E-07 461517.1 3775682.3 429.9 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0032958	0	0.26700E-07	461520.7	3775682.3	429.9	3.70	1.67	2.89	YES	
L0032959	0	0.26700E-07	461524.3	3775682.3	429.9	3.70	1.67	2.89	YES	
L0032960	0	0.26700E-07	461527.9	3775682.3	429.9	3.70	1.67	2.89	YES	
L0032961	0	0.26700E-07	461531.5	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032962	0	0.26700E-07	461535.1	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032963	0	0.26700E-07	461538.7	3775682.3	429.8	3.70	1.67	2.89	YES	
L0032964	0	0.26700E-07	461542.3	3775682.3	429.8	3.70	1.67			

2.89 YES							
L0032965	0	0.26700E-07	461545.9	3775682.3	429.8	3.70	1.67
2.89 YES							
L0032966	0	0.26700E-07	461549.5	3775682.3	429.8	3.70	1.67
2.89 YES							
L0032967	0	0.26700E-07	461553.1	3775682.4	429.8	3.70	1.67
2.89 YES							
L0032968	0	0.26700E-07	461556.7	3775682.4	429.8	3.70	1.67
2.89 YES							
L0032969	0	0.26700E-07	461560.3	3775682.4	429.8	3.70	1.67
2.89 YES							
L0032970	0	0.26700E-07	461563.9	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032971	0	0.26700E-07	461567.5	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032972	0	0.26700E-07	461571.1	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032973	0	0.26700E-07	461574.7	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032974	0	0.26700E-07	461578.3	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032975	0	0.26700E-07	461581.9	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032976	0	0.26700E-07	461585.5	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032977	0	0.26700E-07	461589.1	3775682.4	429.7	3.70	1.67
2.89 YES							
L0032978	0	0.26700E-07	461592.7	3775682.3	429.7	3.70	1.67
2.89 YES							
L0032979	0	0.26700E-07	461596.3	3775682.3	429.7	3.70	1.67
2.89 YES							
L0032980	0	0.26700E-07	461599.9	3775682.3	429.7	3.70	1.67
2.89 YES							
L0032981	0	0.26700E-07	461603.5	3775682.3	429.7	3.70	1.67
2.89 YES							
L0032982	0	0.26700E-07	461607.1	3775682.2	429.7	3.70	1.67
2.89 YES							
L0032983	0	0.26700E-07	461610.7	3775682.2	429.7	3.70	1.67
2.89 YES							
L0032984	0	0.26700E-07	461614.3	3775682.2	429.7	3.70	1.67
2.89 YES							
L0032985	0	0.26700E-07	461617.9	3775682.1	429.7	3.70	1.67
2.89 YES							
L0032986	0	0.26700E-07	461621.5	3775682.1	429.7	3.70	1.67
2.89 YES							
L0032987	0	0.26700E-07	461625.1	3775682.1	429.7	3.70	1.67
2.89 YES							
L0032988	0	0.26700E-07	461628.7	3775682.0	429.7	3.70	1.67

```
2.89     YES
 L0032989         0   0.26700E-07  461632.3 3775682.0   429.7     3.70     1.67
2.89     YES
 L0032990         0   0.26700E-07  461635.9 3775682.0   429.7     3.70     1.67
2.89     YES
 L0032991         0   0.26700E-07  461639.5 3775681.9   429.7     3.70     1.67
2.89     YES
 L0032992         0   0.26700E-07  461643.1 3775681.9   429.7     3.70     1.67
2.89     YES
 L0032993         0   0.26700E-07  461646.7 3775681.9   429.7     3.70     1.67
2.89     YES
 L0032994         0   0.26700E-07  461650.3 3775681.8   429.7     3.70     1.67
2.89     YES
 L0032995         0   0.26700E-07  461653.9 3775681.8   429.6     3.70     1.67
2.89     YES
 L0032996         0   0.26700E-07  461657.5 3775681.8   429.6     3.70     1.67
2.89     YES
 L0032997         0   0.26700E-07  461661.1 3775681.7   429.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                   PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0032998         0   0.26700E-07  461664.7 3775681.7   429.6     3.70     1.67
2.89     YES
 L0032999         0   0.26700E-07  461668.3 3775681.7   429.6     3.70     1.67
2.89     YES
 L0033000         0   0.26700E-07  461671.9 3775681.6   429.6     3.70     1.67
2.89     YES
 L0033001         0   0.26700E-07  461675.5 3775681.6   429.6     3.70     1.67
2.89     YES
 L0033002         0   0.26700E-07  461679.1 3775681.6   429.5     3.70     1.67
```

2.89 YES							
L0033003	0	0.26700E-07	461682.7	3775681.5	429.5	3.70	1.67
2.89 YES							
L0033004	0	0.26700E-07	461686.3	3775681.5	429.5	3.70	1.67
2.89 YES							
L0033005	0	0.26700E-07	461689.9	3775681.5	429.5	3.70	1.67
2.89 YES							
L0033006	0	0.26700E-07	461693.5	3775681.4	429.5	3.70	1.67
2.89 YES							
L0033007	0	0.26700E-07	461697.1	3775681.4	429.4	3.70	1.67
2.89 YES							
L0033008	0	0.26700E-07	461700.7	3775681.4	429.4	3.70	1.67
2.89 YES							
L0033009	0	0.26700E-07	461704.3	3775681.3	429.4	3.70	1.67
2.89 YES							
L0033010	0	0.26700E-07	461707.9	3775681.3	429.4	3.70	1.67
2.89 YES							
L0033011	0	0.26700E-07	461711.5	3775681.3	429.4	3.70	1.67
2.89 YES							
L0033012	0	0.26700E-07	461715.1	3775681.2	429.4	3.70	1.67
2.89 YES							
L0033013	0	0.26700E-07	461718.7	3775681.2	429.4	3.70	1.67
2.89 YES							
L0033014	0	0.26700E-07	461722.3	3775681.2	429.4	3.70	1.67
2.89 YES							
L0033015	0	0.26700E-07	461725.9	3775681.2	429.4	3.70	1.67
2.89 YES							
L0033016	0	0.26700E-07	461729.5	3775681.1	429.4	3.70	1.67
2.89 YES							
L0033017	0	0.26700E-07	461733.1	3775681.1	429.4	3.70	1.67
2.89 YES							
L0033018	0	0.26700E-07	461736.7	3775681.1	429.4	3.70	1.67
2.89 YES							
L0033019	0	0.26700E-07	461740.3	3775681.0	429.3	3.70	1.67
2.89 YES							
L0033020	0	0.26700E-07	461743.9	3775681.0	429.3	3.70	1.67
2.89 YES							
L0033021	0	0.26700E-07	461747.5	3775681.0	429.3	3.70	1.67
2.89 YES							
L0033022	0	0.26700E-07	461751.1	3775680.9	429.3	3.70	1.67
2.89 YES							
L0033023	0	0.26700E-07	461754.7	3775680.9	429.3	3.70	1.67
2.89 YES							
L0033024	0	0.26700E-07	461758.3	3775680.9	429.3	3.70	1.67
2.89 YES							
L0033025	0	0.26700E-07	461761.9	3775680.8	429.3	3.70	1.67
2.89 YES							
L0033026	0	0.26700E-07	461765.5	3775680.8	429.3	3.70	1.67

2.89 YES
L0033027 0 0.26700E-07 461769.1 3775680.8 429.3 3.70 1.67
2.89 YES
L0033028 0 0.26700E-07 461772.7 3775680.7 429.3 3.70 1.67
2.89 YES
L0033029 0 0.26700E-07 461776.3 3775680.7 429.3 3.70 1.67
2.89 YES
L0033030 0 0.26700E-07 461779.9 3775680.7 429.2 3.70 1.67
2.89 YES
L0033031 0 0.26700E-07 461783.5 3775680.6 429.2 3.70 1.67
2.89 YES
L0033032 0 0.26700E-07 461787.1 3775680.6 429.2 3.70 1.67
2.89 YES
L0033033 0 0.26700E-07 461790.7 3775680.6 429.2 3.70 1.67
2.89 YES
L0033034 0 0.26700E-07 461794.3 3775680.5 429.2 3.70 1.67
2.89 YES
L0033035 0 0.26700E-07 461797.9 3775680.5 429.2 3.70 1.67
2.89 YES
L0033036 0 0.26700E-07 461801.5 3775680.5 429.2 3.70 1.67
2.89 YES
L0033037 0 0.26700E-07 461805.1 3775680.4 429.2 3.70 1.67
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033038	0	0.26700E-07	461808.7	3775680.4	429.2	3.70	1.67	2.89	YES	
L0033039	0	0.26700E-07	461812.3	3775680.4	429.2	3.70	1.67	2.89	YES	
L0033040	0	0.26700E-07	461815.9	3775680.3	429.2	3.70	1.67			

2.89 YES							
L0033041	0	0.26700E-07	461819.5	3775680.3	429.1	3.70	1.67
2.89 YES							
L0033042	0	0.26700E-07	461823.1	3775680.3	429.2	3.70	1.67
2.89 YES							
L0033043	0	0.26700E-07	461826.7	3775680.2	429.2	3.70	1.67
2.89 YES							
L0033044	0	0.26700E-07	461830.3	3775680.2	429.2	3.70	1.67
2.89 YES							
L0033045	0	0.26700E-07	461833.9	3775680.2	429.2	3.70	1.67
2.89 YES							
L0033046	0	0.26700E-07	461837.5	3775680.2	429.2	3.70	1.67
2.89 YES							
L0033047	0	0.26700E-07	461841.1	3775680.1	429.2	3.70	1.67
2.89 YES							
L0033048	0	0.26700E-07	461844.7	3775680.1	429.2	3.70	1.67
2.89 YES							
L0033049	0	0.26700E-07	461848.3	3775680.1	429.2	3.70	1.67
2.89 YES							
L0033050	0	0.26700E-07	461851.9	3775680.0	429.2	3.70	1.67
2.89 YES							
L0033051	0	0.26700E-07	461855.5	3775680.0	429.2	3.70	1.67
2.89 YES							
L0033052	0	0.26700E-07	461859.1	3775680.0	429.2	3.70	1.67
2.89 YES							
L0033053	0	0.26700E-07	461862.7	3775679.9	429.2	3.70	1.67
2.89 YES							
L0033054	0	0.26700E-07	461866.3	3775679.9	429.2	3.70	1.67
2.89 YES							
L0033055	0	0.26700E-07	461869.9	3775679.9	429.2	3.70	1.67
2.89 YES							
L0033056	0	0.26700E-07	461873.5	3775679.8	429.2	3.70	1.67
2.89 YES							
L0033057	0	0.26700E-07	461877.1	3775679.8	429.2	3.70	1.67
2.89 YES							
L0033058	0	0.26700E-07	461880.7	3775679.8	429.2	3.70	1.67
2.89 YES							
L0033059	0	0.26700E-07	461884.3	3775679.7	429.2	3.70	1.67
2.89 YES							
L0033060	0	0.26700E-07	461887.9	3775679.7	429.1	3.70	1.67
2.89 YES							
L0033061	0	0.26700E-07	461891.5	3775679.7	429.1	3.70	1.67
2.89 YES							
L0033062	0	0.26700E-07	461895.1	3775679.6	429.1	3.70	1.67
2.89 YES							
L0033063	0	0.26700E-07	461898.7	3775679.6	429.1	3.70	1.67
2.89 YES							
L0033064	0	0.26700E-07	461902.3	3775679.6	429.1	3.70	1.67

```
2.89     YES
 L0033065         0   0.26700E-07  461905.9 3775679.5   429.1     3.70     1.67
2.89     YES
 L0033066         0   0.26700E-07  461909.5 3775679.5   429.1     3.70     1.67
2.89     YES
 L0033067         0   0.26700E-07  461913.1 3775679.5   429.1     3.70     1.67
2.89     YES
 L0033068         0   0.26700E-07  461916.7 3775679.4   429.0     3.70     1.67
2.89     YES
 L0033069         0   0.26700E-07  461920.3 3775679.3   429.0     3.70     1.67
2.89     YES
 L0033070         0   0.26700E-07  461923.9 3775679.2   429.0     3.70     1.67
2.89     YES
 L0033071         0   0.26700E-07  461927.5 3775679.1   429.0     3.70     1.67
2.89     YES
 L0033072         0   0.26700E-07  461931.1 3775679.1   429.0     3.70     1.67
2.89     YES
 L0033073         0   0.26700E-07  461934.7 3775679.0   428.9     3.70     1.67
2.89     YES
 L0033074         0   0.26700E-07  461938.3 3775678.9   428.9     3.70     1.67
2.89     YES
 L0033075         0   0.26700E-07  461941.9 3775678.8   428.9     3.70     1.67
2.89     YES
 L0033076         0   0.26700E-07  461945.5 3775678.7   428.9     3.70     1.67
2.89     YES
 L0033077         0   0.26700E-07  461949.1 3775678.7   428.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0033078         0   0.26700E-07  461952.7 3775678.6   428.8     3.70     1.67
```

2.89 YES							
L0033079	0	0.26700E-07	461956.3	3775678.5	428.8	3.70	1.67
2.89 YES							
L0033080	0	0.26700E-07	461959.8	3775678.4	428.7	3.70	1.67
2.89 YES							
L0033081	0	0.26700E-07	461963.4	3775678.3	428.7	3.70	1.67
2.89 YES							
L0033082	0	0.26700E-07	461967.0	3775678.3	428.7	3.70	1.67
2.89 YES							
L0033083	0	0.26700E-07	461970.6	3775678.2	428.6	3.70	1.67
2.89 YES							
L0033084	0	0.26700E-07	461974.2	3775678.1	428.6	3.70	1.67
2.89 YES							
L0033085	0	0.26700E-07	461977.8	3775678.0	428.6	3.70	1.67
2.89 YES							
L0033086	0	0.26700E-07	461981.4	3775677.9	428.5	3.70	1.67
2.89 YES							
L0033087	0	0.26700E-07	461985.0	3775677.9	428.5	3.70	1.67
2.89 YES							
L0033088	0	0.26700E-07	461988.6	3775677.8	428.5	3.70	1.67
2.89 YES							
L0033089	0	0.26700E-07	461992.2	3775677.7	428.4	3.70	1.67
2.89 YES							
L0033090	0	0.26700E-07	461995.8	3775677.7	428.4	3.70	1.67
2.89 YES							
L0033091	0	0.26700E-07	461999.4	3775677.7	428.4	3.70	1.67
2.89 YES							
L0033092	0	0.26700E-07	462003.0	3775677.7	428.4	3.70	1.67
2.89 YES							
L0033093	0	0.26700E-07	462006.6	3775677.7	428.4	3.70	1.67
2.89 YES							
L0033094	0	0.26700E-07	462010.2	3775677.7	428.4	3.70	1.67
2.89 YES							
L0033095	0	0.26700E-07	462013.8	3775677.6	428.4	3.70	1.67
2.89 YES							
L0033096	0	0.26700E-07	462017.4	3775677.6	428.3	3.70	1.67
2.89 YES							
L0033097	0	0.26700E-07	462021.0	3775677.6	428.3	3.70	1.67
2.89 YES							
L0033098	0	0.26700E-07	462024.6	3775677.6	428.3	3.70	1.67
2.89 YES							
L0033099	0	0.26700E-07	462028.2	3775677.6	428.3	3.70	1.67
2.89 YES							
L0033100	0	0.26700E-07	462031.8	3775677.6	428.3	3.70	1.67
2.89 YES							
L0033101	0	0.26700E-07	462035.4	3775677.6	428.3	3.70	1.67
2.89 YES							
L0033102	0	0.26700E-07	462039.0	3775677.6	428.3	3.70	1.67

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2.89     YES
 L0033103         0   0.26700E-07  462042.6 3775677.5   428.3     3.70     1.67
2.89     YES
 L0033104         0   0.26700E-07  462046.2 3775677.5   428.3     3.70     1.67
2.89     YES
 L0033105         0   0.26700E-07  462049.8 3775677.5   428.3     3.70     1.67
2.89     YES
 L0033106         0   0.26700E-07  462053.4 3775677.5   428.3     3.70     1.67
2.89     YES
 L0033107         0   0.26700E-07  462057.0 3775677.5   428.3     3.70     1.67
2.89     YES
 L0033108         0   0.26700E-07  462060.6 3775677.5   428.2     3.70     1.67
2.89     YES
 L0033109         0   0.26700E-07  462064.2 3775677.5   428.2     3.70     1.67
2.89     YES
 L0033110         0   0.26700E-07  462067.8 3775677.5   428.2     3.70     1.67
2.89     YES
 L0033111         0   0.26700E-07  462071.4 3775677.4   428.2     3.70     1.67
2.89     YES
 L0033112         0   0.26700E-07  462075.0 3775677.4   428.2     3.70     1.67
2.89     YES
 L0033113         0   0.26700E-07  462078.6 3775677.4   428.2     3.70     1.67
2.89     YES
 L0033114         0   0.26700E-07  462082.2 3775677.4   428.2     3.70     1.67
2.89     YES
 L0033115         0   0.26700E-07  462085.8 3775677.4   428.2     3.70     1.67
2.89     YES
 L0033116         0   0.26700E-07  462089.4 3775677.4   428.2     3.70     1.67
2.89     YES
 L0033117         0   0.26700E-07  462093.0 3775677.4   428.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0033118	0	0.26700E-07	462096.6	3775677.3	428.2	3.70	1.67	2.89 YES
L0033119	0	0.26700E-07	462100.2	3775677.3	428.1	3.70	1.67	2.89 YES
L0033120	0	0.26700E-07	462103.8	3775677.3	428.1	3.70	1.67	2.89 YES
L0033121	0	0.26700E-07	462107.4	3775677.3	428.1	3.70	1.67	2.89 YES
L0033122	0	0.26700E-07	462111.0	3775677.3	428.1	3.70	1.67	2.89 YES
L0033123	0	0.26700E-07	462114.6	3775677.3	428.1	3.70	1.67	2.89 YES
L0033124	0	0.26700E-07	462118.2	3775677.3	428.1	3.70	1.67	2.89 YES
L0033125	0	0.26700E-07	462121.8	3775677.3	428.1	3.70	1.67	2.89 YES
L0033126	0	0.26700E-07	462125.4	3775677.2	428.1	3.70	1.67	2.89 YES
L0033127	0	0.26700E-07	462129.0	3775677.2	428.0	3.70	1.67	2.89 YES
L0033128	0	0.26700E-07	462132.6	3775677.2	428.0	3.70	1.67	2.89 YES
L0033129	0	0.26700E-07	462136.2	3775677.2	428.0	3.70	1.67	2.89 YES
L0033130	0	0.26700E-07	462139.8	3775677.2	428.0	3.70	1.67	2.89 YES
L0033131	0	0.26700E-07	462143.4	3775677.2	428.0	3.70	1.67	2.89 YES
L0033132	0	0.26700E-07	462147.0	3775677.2	428.0	3.70	1.67	2.89 YES
L0033133	0	0.26700E-07	462150.6	3775677.2	427.9	3.70	1.67	2.89 YES
L0033134	0	0.26700E-07	462154.2	3775677.1	427.9	3.70	1.67	2.89 YES
L0033135	0	0.26700E-07	462157.8	3775677.1	427.9	3.70	1.67	2.89 YES
L0033136	0	0.26700E-07	462161.4	3775677.1	427.9	3.70	1.67	2.89 YES
L0033137	0	0.26700E-07	462165.0	3775677.1	427.9	3.70	1.67	2.89 YES
L0033138	0	0.26700E-07	462168.6	3775677.1	427.9	3.70	1.67	2.89 YES
L0033139	0	0.26700E-07	462172.2	3775677.1	427.9	3.70	1.67	2.89 YES
L0033140	0	0.26700E-07	462175.8	3775677.1	427.9	3.70	1.67	

```
2.89     YES
 L0033141         0   0.26700E-07  462179.4 3775677.1   427.9     3.70     1.67
2.89     YES
 L0033142         0   0.26700E-07  462183.0 3775677.0   427.9     3.70     1.67
2.89     YES
 L0033143         0   0.26700E-07  462186.6 3775677.0   427.8     3.70     1.67
2.89     YES
 L0033144         0   0.26700E-07  462190.2 3775677.0   427.8     3.70     1.67
2.89     YES
 L0033145         0   0.26700E-07  462193.8 3775677.0   427.7     3.70     1.67
2.89     YES
 L0033146         0   0.26700E-07  462197.4 3775677.0   427.7     3.70     1.67
2.89     YES
 L0033147         0   0.26700E-07  462201.0 3775677.0   427.7     3.70     1.67
2.89     YES
 L0033148         0   0.26700E-07  462204.6 3775677.0   427.6     3.70     1.67
2.89     YES
 L0033149         0   0.26700E-07  462208.2 3775676.9   427.6     3.70     1.67
2.89     YES
 L0033150         0   0.26700E-07  462211.8 3775676.9   427.6     3.70     1.67
2.89     YES
 L0033151         0   0.26700E-07  462215.4 3775676.9   427.5     3.70     1.67
2.89     YES
 L0033152         0   0.26700E-07  462219.0 3775676.8   427.5     3.70     1.67
2.89     YES
 L0033153         0   0.26700E-07  462222.6 3775676.8   427.5     3.70     1.67
2.89     YES
 L0033154         0   0.26700E-07  462226.2 3775676.8   427.5     3.70     1.67
2.89     YES
 L0033155         0   0.26700E-07  462229.8 3775676.7   427.4     3.70     1.67
2.89     YES
 L0033156         0   0.26700E-07  462233.4 3775676.7   427.4     3.70     1.67
2.89     YES
 L0033157         0   0.26700E-07  462237.0 3775676.7   427.4     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE

SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ
L0033158	0	0.26700E-07	462240.6	3775676.6	427.4	3.70	1.67	2.89 YES
L0033159	0	0.26700E-07	462244.2	3775676.6	427.4	3.70	1.67	2.89 YES
L0033160	0	0.26700E-07	462247.8	3775676.6	427.4	3.70	1.67	2.89 YES
L0033161	0	0.26700E-07	462251.4	3775676.5	427.4	3.70	1.67	2.89 YES
L0033162	0	0.26700E-07	462255.0	3775676.5	427.4	3.70	1.67	2.89 YES
L0033163	0	0.26700E-07	462258.6	3775676.5	427.4	3.70	1.67	2.89 YES
L0033164	0	0.26700E-07	462262.2	3775676.4	427.4	3.70	1.67	2.89 YES
L0033165	0	0.26700E-07	462265.8	3775676.4	427.3	3.70	1.67	2.89 YES
L0033166	0	0.26700E-07	462269.4	3775676.4	427.3	3.70	1.67	2.89 YES
L0033167	0	0.26700E-07	462273.0	3775676.3	427.3	3.70	1.67	2.89 YES
L0033168	0	0.26700E-07	462276.6	3775676.3	427.3	3.70	1.67	2.89 YES
L0033169	0	0.26700E-07	462280.2	3775676.3	427.3	3.70	1.67	2.89 YES
L0033170	0	0.26700E-07	462283.8	3775676.2	427.3	3.70	1.67	2.89 YES
L0033171	0	0.26700E-07	462287.4	3775676.2	427.3	3.70	1.67	2.89 YES
L0033172	0	0.26700E-07	462291.0	3775676.2	427.3	3.70	1.67	2.89 YES
L0033173	0	0.26700E-07	462294.6	3775676.1	427.3	3.70	1.67	2.89 YES
L0033174	0	0.26700E-07	462298.2	3775676.1	427.3	3.70	1.67	2.89 YES
L0033175	0	0.26700E-07	462301.8	3775676.1	427.2	3.70	1.67	2.89 YES
L0033176	0	0.26700E-07	462305.4	3775676.0	427.2	3.70	1.67	2.89 YES
L0033177	0	0.26700E-07	462309.0	3775676.0	427.2	3.70	1.67	2.89 YES
L0033178	0	0.26700E-07	462312.6	3775676.0	427.2	3.70	1.67	

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2.89     YES
 L0033179         0   0.26700E-07  462316.2 3775675.9   427.2     3.70     1.67
2.89     YES
 L0033180         0   0.26700E-07  462319.8 3775675.9   427.2     3.70     1.67
2.89     YES
 L0033181         0   0.26700E-07  462323.4 3775675.8   427.2     3.70     1.67
2.89     YES
 L0033182         0   0.26700E-07  462327.0 3775675.8   427.2     3.70     1.67
2.89     YES
 L0033183         0   0.26700E-07  462330.6 3775675.8   427.2     3.70     1.67
2.89     YES
 L0033184         0   0.26700E-07  462334.2 3775675.7   427.1     3.70     1.67
2.89     YES
 L0033185         0   0.26700E-07  462337.8 3775675.7   427.1     3.70     1.67
2.89     YES
 L0033186         0   0.26700E-07  462341.4 3775675.7   427.1     3.70     1.67
2.89     YES
 L0033187         0   0.26700E-07  462345.0 3775675.6   427.1     3.70     1.67
2.89     YES
 L0033188         0   0.26700E-07  462348.6 3775675.6   427.1     3.70     1.67
2.89     YES
 L0033189         0   0.26700E-07  462352.2 3775675.6   427.1     3.70     1.67
2.89     YES
 L0033190         0   0.26700E-07  462355.8 3775675.5   427.1     3.70     1.67
2.89     YES
 L0033191         0   0.26700E-07  462359.4 3775675.5   427.1     3.70     1.67
2.89     YES
 L0033192         0   0.26700E-07  462363.0 3775675.5   427.1     3.70     1.67
2.89     YES
 L0033193         0   0.26700E-07  462366.6 3775675.4   427.1     3.70     1.67
2.89     YES
 L0033194         0   0.26700E-07  462370.2 3775675.4   427.0     3.70     1.67
2.89     YES
 L0033195         0   0.26700E-07  462373.8 3775675.4   427.0     3.70     1.67
2.89     YES
 L0033196         0   0.26700E-07  462377.4 3775675.4   427.0     3.70     1.67
2.89     YES
 L0033197         0   0.26700E-07  462381.0 3775675.3   427.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0033198	0	0.26700E-07	462384.6	3775675.3	427.0	3.70	1.67	2.89	YES
L0033199	0	0.26700E-07	462388.2	3775675.3	427.0	3.70	1.67	2.89	YES
L0033200	0	0.26700E-07	462391.8	3775675.2	427.0	3.70	1.67	2.89	YES
L0033201	0	0.26700E-07	462395.4	3775675.2	427.0	3.70	1.67	2.89	YES
L0033202	0	0.26700E-07	462399.0	3775675.2	426.9	3.70	1.67	2.89	YES
L0033203	0	0.26700E-07	462402.6	3775675.1	426.9	3.70	1.67	2.89	YES
L0033204	0	0.26700E-07	462406.2	3775675.1	426.9	3.70	1.67	2.89	YES
L0033205	0	0.26700E-07	462409.8	3775675.1	426.9	3.70	1.67	2.89	YES
L0033206	0	0.26700E-07	462413.4	3775675.1	426.9	3.70	1.67	2.89	YES
L0033207	0	0.26700E-07	462417.0	3775675.0	426.9	3.70	1.67	2.89	YES
L0033208	0	0.26700E-07	462420.6	3775675.0	426.9	3.70	1.67	2.89	YES
L0033209	0	0.26700E-07	462424.2	3775675.0	426.9	3.70	1.67	2.89	YES
L0033210	0	0.26700E-07	462427.8	3775674.9	426.8	3.70	1.67	2.89	YES
L0033211	0	0.26700E-07	462431.4	3775674.9	426.8	3.70	1.67	2.89	YES
L0033212	0	0.26700E-07	462435.0	3775674.9	426.8	3.70	1.67	2.89	YES
L0033213	0	0.26700E-07	462438.6	3775674.8	426.8	3.70	1.67	2.89	YES
L0033214	0	0.26700E-07	462442.2	3775674.8	426.8	3.70	1.67	2.89	YES
L0033215	0	0.26700E-07	462445.8	3775674.8	426.8	3.70	1.67	2.89	YES
L0033216	0	0.26700E-07	462449.4	3775674.7	426.7	3.70	1.67		

2.89 YES							
L0033217	0	0.26700E-07	462453.0	3775674.7	426.7	3.70	1.67
2.89 YES							
L0033218	0	0.26700E-07	462456.6	3775674.7	426.7	3.70	1.67
2.89 YES							
L0033219	0	0.26700E-07	462460.2	3775674.7	426.7	3.70	1.67
2.89 YES							
L0033220	0	0.26700E-07	462463.8	3775674.6	426.7	3.70	1.67
2.89 YES							
L0033221	0	0.26700E-07	462467.4	3775674.6	426.6	3.70	1.67
2.89 YES							
L0033222	0	0.26700E-07	462471.0	3775674.6	426.6	3.70	1.67
2.89 YES							
L0033223	0	0.26700E-07	462474.6	3775674.5	426.6	3.70	1.67
2.89 YES							
L0033224	0	0.26700E-07	462478.2	3775674.5	426.6	3.70	1.67
2.89 YES							
L0033225	0	0.26700E-07	462481.8	3775674.5	426.6	3.70	1.67
2.89 YES							
L0033226	0	0.26700E-07	462485.4	3775674.4	426.6	3.70	1.67
2.89 YES							
L0033227	0	0.26700E-07	462489.0	3775674.4	426.6	3.70	1.67
2.89 YES							
L0033228	0	0.26700E-07	462492.6	3775674.4	426.5	3.70	1.67
2.89 YES							
L0033229	0	0.26700E-07	462496.2	3775674.4	426.5	3.70	1.67
2.89 YES							
L0033230	0	0.26700E-07	462499.8	3775674.3	426.5	3.70	1.67
2.89 YES							
L0033231	0	0.26700E-07	462503.4	3775674.3	426.5	3.70	1.67
2.89 YES							
L0033232	0	0.26700E-07	462507.0	3775674.3	426.5	3.70	1.67
2.89 YES							
L0033233	0	0.26700E-07	462510.6	3775674.2	426.4	3.70	1.67
2.89 YES							
L0033234	0	0.26700E-07	462514.2	3775674.2	426.4	3.70	1.67
2.89 YES							
L0033235	0	0.26700E-07	462517.8	3775674.2	426.4	3.70	1.67
2.89 YES							
L0033236	0	0.26700E-07	462521.4	3775674.1	426.4	3.70	1.67
2.89 YES							
L0033237	0	0.26700E-07	462525.0	3775674.1	426.4	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE EMISSION RATE VARY BY
L0033238	0	0.26700E-07	462528.6	3775674.1	426.4	3.70	1.67	2.89	YES
L0033239	0	0.26700E-07	462532.2	3775674.0	426.4	3.70	1.67	2.89	YES
L0033240	0	0.26700E-07	462535.8	3775674.0	426.4	3.70	1.67	2.89	YES
L0033241	0	0.26700E-07	462539.4	3775674.0	426.3	3.70	1.67	2.89	YES
L0033242	0	0.26700E-07	462543.0	3775674.0	426.3	3.70	1.67	2.89	YES
L0033243	0	0.26700E-07	462546.6	3775674.0	426.3	3.70	1.67	2.89	YES
L0033244	0	0.26700E-07	462550.2	3775674.0	426.3	3.70	1.67	2.89	YES
L0033245	0	0.26700E-07	462553.8	3775674.0	426.3	3.70	1.67	2.89	YES
L0033246	0	0.26700E-07	462557.4	3775674.0	426.3	3.70	1.67	2.89	YES
L0033247	0	0.26700E-07	462561.0	3775674.0	426.3	3.70	1.67	2.89	YES
L0033248	0	0.26700E-07	462564.6	3775674.0	426.3	3.70	1.67	2.89	YES
L0033249	0	0.26700E-07	462568.2	3775674.1	426.3	3.70	1.67	2.89	YES
L0033250	0	0.26700E-07	462571.8	3775674.1	426.2	3.70	1.67	2.89	YES
L0033251	0	0.26700E-07	462575.4	3775674.1	426.2	3.70	1.67	2.89	YES
L0033252	0	0.26700E-07	462579.0	3775674.1	426.2	3.70	1.67	2.89	YES
L0033253	0	0.26700E-07	462582.6	3775674.1	426.2	3.70	1.67	2.89	YES
L0033254	0	0.26700E-07	462586.2	3775674.1	426.2	3.70	1.67		

2.89 YES							
L0033255	0	0.26700E-07	462589.8	3775674.1	426.2	3.70	1.67
2.89 YES							
L0033256	0	0.26700E-07	462593.4	3775674.1	426.1	3.70	1.67
2.89 YES							
L0033257	0	0.26700E-07	462597.0	3775674.1	426.1	3.70	1.67
2.89 YES							
L0033258	0	0.26700E-07	462600.6	3775674.1	426.0	3.70	1.67
2.89 YES							
L0033259	0	0.26700E-07	462604.2	3775674.1	426.0	3.70	1.67
2.89 YES							
L0033260	0	0.26700E-07	462607.8	3775674.1	426.0	3.70	1.67
2.89 YES							
L0033261	0	0.26700E-07	462611.4	3775674.1	425.9	3.70	1.67
2.89 YES							
L0033262	0	0.26700E-07	462615.0	3775674.1	425.9	3.70	1.67
2.89 YES							
L0033263	0	0.26700E-07	462618.6	3775674.2	425.9	3.70	1.67
2.89 YES							
L0033264	0	0.26700E-07	462622.2	3775674.2	425.9	3.70	1.67
2.89 YES							
L0033265	0	0.26700E-07	462625.8	3775674.2	425.9	3.70	1.67
2.89 YES							
L0033266	0	0.26700E-07	462629.4	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033267	0	0.26700E-07	462633.0	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033268	0	0.26700E-07	462636.6	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033269	0	0.26700E-07	462640.2	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033270	0	0.26700E-07	462643.8	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033271	0	0.26700E-07	462647.4	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033272	0	0.26700E-07	462651.0	3775674.2	425.8	3.70	1.67
2.89 YES							
L0033273	0	0.26700E-07	462654.6	3775674.2	425.7	3.70	1.67
2.89 YES							
L0033274	0	0.26700E-07	462658.2	3775674.2	425.7	3.70	1.67
2.89 YES							
L0033275	0	0.26700E-07	462661.8	3775674.2	425.7	3.70	1.67
2.89 YES							
L0033276	0	0.26700E-07	462665.4	3775674.3	425.7	3.70	1.67
2.89 YES							
L0033277	0	0.26700E-07	462669.0	3775674.3	425.7	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY
L0033278	0	0.26700E-07	462672.6	3775674.3	425.7	3.70	1.67	2.89	YES	
L0033279	0	0.26700E-07	462676.2	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033280	0	0.26700E-07	462679.8	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033281	0	0.26700E-07	462683.4	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033282	0	0.26700E-07	462687.0	3775674.3	425.6	3.70	1.67	2.89	YES	
L0033283	0	0.26700E-07	462690.6	3775674.3	425.5	3.70	1.67	2.89	YES	
L0033284	0	0.26700E-07	462694.2	3775674.3	425.5	3.70	1.67	2.89	YES	
L0033285	0	0.26700E-07	462697.8	3775674.3	425.5	3.70	1.67	2.89	YES	
L0033286	0	0.26700E-07	462701.4	3775674.3	425.4	3.70	1.67	2.89	YES	
L0033287	0	0.26700E-07	462705.0	3775674.3	425.4	3.70	1.67	2.89	YES	
L0033288	0	0.26700E-07	462708.6	3775674.3	425.4	3.70	1.67	2.89	YES	
L0033289	0	0.26700E-07	462712.2	3775674.3	425.3	3.70	1.67	2.89	YES	
L0033290	0	0.26700E-07	462715.8	3775674.4	425.3	3.70	1.67	2.89	YES	
L0033291	0	0.26700E-07	462719.4	3775674.4	425.3	3.70	1.67	2.89	YES	
L0033292	0	0.26700E-07	462723.0	3775674.4	425.3	3.70	1.67			

2.89 YES							
L0033293	0	0.26700E-07	462726.6	3775674.4	425.3	3.70	1.67
2.89 YES							
L0033294	0	0.26700E-07	462730.2	3775674.4	425.2	3.70	1.67
2.89 YES							
L0033295	0	0.26700E-07	462733.8	3775674.4	425.2	3.70	1.67
2.89 YES							
L0033296	0	0.26700E-07	462737.4	3775674.4	425.2	3.70	1.67
2.89 YES							
L0033297	0	0.26700E-07	462741.0	3775674.4	425.2	3.70	1.67
2.89 YES							
L0033298	0	0.26700E-07	462744.6	3775674.4	425.2	3.70	1.67
2.89 YES							
L0033299	0	0.26700E-07	462748.2	3775674.4	425.2	3.70	1.67
2.89 YES							
L0033300	0	0.26700E-07	462751.8	3775674.4	425.1	3.70	1.67
2.89 YES							
L0033301	0	0.26700E-07	462755.4	3775674.4	425.1	3.70	1.67
2.89 YES							
L0033302	0	0.26700E-07	462759.0	3775674.4	425.1	3.70	1.67
2.89 YES							
L0033303	0	0.26700E-07	462762.6	3775674.5	425.1	3.70	1.67
2.89 YES							
L0033304	0	0.26700E-07	462766.2	3775674.5	425.1	3.70	1.67
2.89 YES							
L0033305	0	0.26700E-07	462769.8	3775674.5	425.0	3.70	1.67
2.89 YES							
L0033306	0	0.26700E-07	462773.4	3775674.5	425.0	3.70	1.67
2.89 YES							
L0033307	0	0.26700E-07	462777.0	3775674.5	425.0	3.70	1.67
2.89 YES							
L0033308	0	0.26700E-07	462780.6	3775674.5	425.0	3.70	1.67
2.89 YES							
L0033309	0	0.26700E-07	462784.2	3775674.5	425.0	3.70	1.67
2.89 YES							
L0033310	0	0.26700E-07	462787.8	3775674.5	424.9	3.70	1.67
2.89 YES							
L0033311	0	0.26700E-07	462791.4	3775674.5	424.9	3.70	1.67
2.89 YES							
L0033312	0	0.26700E-07	462795.0	3775674.5	424.9	3.70	1.67
2.89 YES							
L0033313	0	0.26700E-07	462798.6	3775674.5	424.9	3.70	1.67
2.89 YES							
L0033314	0	0.26700E-07	462802.2	3775674.5	424.9	3.70	1.67
2.89 YES							
L0033315	0	0.26700E-07	462805.8	3775674.5	424.9	3.70	1.67
2.89 YES							
L0033316	0	0.26700E-07	462809.4	3775674.5	424.8	3.70	1.67

2.89 YES
L0033317 0 0.26700E-07 462813.0 3775674.6 424.8 3.70 1.67
2.89 YES
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0033318	0	0.26700E-07	462816.6	3775674.6	424.8	3.70	1.67	2.89	YES	
L0033319	0	0.26700E-07	462820.2	3775674.6	424.8	3.70	1.67	2.89	YES	
L0033320	0	0.26700E-07	462823.8	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033321	0	0.26700E-07	462827.4	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033322	0	0.26700E-07	462831.0	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033323	0	0.26700E-07	462834.6	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033324	0	0.26700E-07	462838.2	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033325	0	0.26700E-07	462841.8	3775674.6	424.7	3.70	1.67	2.89	YES	
L0033326	0	0.26700E-07	462845.4	3775674.6	424.6	3.70	1.67	2.89	YES	
L0033327	0	0.26700E-07	462849.0	3775674.6	424.6	3.70	1.67	2.89	YES	
L0033328	0	0.26700E-07	462852.6	3775674.6	424.6	3.70	1.67	2.89	YES	
L0033329	0	0.26700E-07	462856.2	3775674.6	424.6	3.70	1.67	2.89	YES	
L0033330	0	0.26700E-07	462859.8	3775674.7	424.6	3.70	1.67			

2.89 YES							
L0033331	0	0.26700E-07	462863.4	3775674.7	424.5	3.70	1.67
2.89 YES							
L0033332	0	0.26700E-07	462867.0	3775674.7	424.5	3.70	1.67
2.89 YES							
L0033333	0	0.26700E-07	462870.6	3775674.7	424.5	3.70	1.67
2.89 YES							
L0033334	0	0.26700E-07	462874.2	3775674.7	424.5	3.70	1.67
2.89 YES							
L0033335	0	0.26700E-07	462877.8	3775674.7	424.5	3.70	1.67
2.89 YES							
L0033336	0	0.26700E-07	462881.4	3775674.7	424.5	3.70	1.67
2.89 YES							
L0033337	0	0.26700E-07	462885.0	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033338	0	0.26700E-07	462888.6	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033339	0	0.26700E-07	462892.2	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033340	0	0.26700E-07	462895.8	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033341	0	0.26700E-07	462899.4	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033342	0	0.26700E-07	462903.0	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033343	0	0.26700E-07	462906.6	3775674.7	424.4	3.70	1.67
2.89 YES							
L0033344	0	0.26700E-07	462910.2	3775674.8	424.3	3.70	1.67
2.89 YES							
L0033345	0	0.26700E-07	462913.8	3775674.8	424.3	3.70	1.67
2.89 YES							
L0033346	0	0.26700E-07	462917.4	3775674.8	424.3	3.70	1.67
2.89 YES							
L0033347	0	0.26700E-07	462921.0	3775674.8	424.3	3.70	1.67
2.89 YES							
L0033348	0	0.26700E-07	462924.6	3775674.8	424.3	3.70	1.67
2.89 YES							
L0033349	0	0.26700E-07	462928.2	3775674.8	424.3	3.70	1.67
2.89 YES							
L0033350	0	0.26700E-07	462931.8	3775674.8	424.2	3.70	1.67
2.89 YES							
L0033351	0	0.26700E-07	462935.4	3775674.8	424.2	3.70	1.67
2.89 YES							
L0033352	0	0.26700E-07	462939.0	3775674.8	424.2	3.70	1.67
2.89 YES							
L0033353	0	0.26700E-07	462942.6	3775674.8	424.2	3.70	1.67
2.89 YES							
L0033354	0	0.26700E-07	462946.2	3775674.8	424.2	3.70	1.67

```
2.89     YES
 L0033355         0   0.26700E-07  462949.8 3775674.8   424.2     3.70     1.67
2.89     YES
 L0033356         0   0.26700E-07  462953.4 3775674.8   424.1     3.70     1.67
2.89     YES
 L0033357         0   0.26700E-07  462957.0 3775674.9   424.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0033358         0   0.26700E-07  462960.6 3775674.9   424.1     3.70     1.67
2.89     YES
 L0033359         0   0.26700E-07  462964.2 3775674.9   424.1     3.70     1.67
2.89     YES
 L0033360         0   0.26700E-07  462967.8 3775674.9   424.1     3.70     1.67
2.89     YES
 L0033361         0   0.26700E-07  462971.4 3775674.9   424.0     3.70     1.67
2.89     YES
 L0033362         0   0.26700E-07  462975.0 3775674.9   424.0     3.70     1.67
2.89     YES
 L0033363         0   0.26700E-07  462978.6 3775674.9   424.0     3.70     1.67
2.89     YES
 L0033364         0   0.26700E-07  462982.2 3775674.9   424.0     3.70     1.67
2.89     YES
 L0033365         0   0.26700E-07  462985.8 3775674.9   424.0     3.70     1.67
2.89     YES
 L0033366         0   0.26700E-07  462989.4 3775674.9   423.9     3.70     1.67
2.89     YES
 L0033367         0   0.26700E-07  462993.0 3775674.9   423.9     3.70     1.67
2.89     YES
 L0033368         0   0.26700E-07  462996.6 3775674.9   423.9     3.70     1.67
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2.89 YES							
L0033369	0	0.26700E-07	463000.2	3775674.9	423.9	3.70	1.67
2.89 YES							
L0033370	0	0.26700E-07	463003.8	3775674.9	423.8	3.70	1.67
2.89 YES							
L0033371	0	0.26700E-07	463007.4	3775675.0	423.8	3.70	1.67
2.89 YES							
L0033372	0	0.26700E-07	463011.0	3775675.0	423.7	3.70	1.67
2.89 YES							
L0033373	0	0.26700E-07	463014.6	3775675.0	423.7	3.70	1.67
2.89 YES							
L0033374	0	0.26700E-07	463018.2	3775675.0	423.7	3.70	1.67
2.89 YES							
L0033375	0	0.26700E-07	463021.8	3775675.0	423.6	3.70	1.67
2.89 YES							
L0033376	0	0.26700E-07	463025.4	3775675.0	423.6	3.70	1.67
2.89 YES							
L0033377	0	0.26700E-07	463029.0	3775675.0	423.6	3.70	1.67
2.89 YES							
L0033378	0	0.26700E-07	463032.6	3775675.0	423.6	3.70	1.67
2.89 YES							
L0033379	0	0.26700E-07	463036.2	3775675.0	423.6	3.70	1.67
2.89 YES							
L0033380	0	0.26700E-07	463039.8	3775675.0	423.6	3.70	1.67
2.89 YES							
L0033381	0	0.26700E-07	463043.4	3775675.0	423.5	3.70	1.67
2.89 YES							
L0033382	0	0.26700E-07	463047.0	3775675.0	423.5	3.70	1.67
2.89 YES							
L0033383	0	0.26700E-07	463050.6	3775675.0	423.5	3.70	1.67
2.89 YES							
L0033384	0	0.26700E-07	463054.2	3775675.0	423.5	3.70	1.67
2.89 YES							
L0033385	0	0.26700E-07	463057.8	3775675.0	423.5	3.70	1.67
2.89 YES							
L0033386	0	0.26700E-07	463061.4	3775675.0	423.4	3.70	1.67
2.89 YES							
L0033387	0	0.26700E-07	463065.0	3775675.0	423.4	3.70	1.67
2.89 YES							
L0033388	0	0.26700E-07	463068.6	3775675.0	423.4	3.70	1.67
2.89 YES							
L0033389	0	0.26700E-07	463072.2	3775675.0	423.3	3.70	1.67
2.89 YES							
L0033390	0	0.26700E-07	463075.8	3775675.0	423.3	3.70	1.67
2.89 YES							
L0033391	0	0.26700E-07	463079.4	3775675.0	423.3	3.70	1.67
2.89 YES							
L0033392	0	0.26700E-07	463083.0	3775675.0	423.2	3.70	1.67

```
2.89     YES
 L0033393         0   0.26700E-07  463086.6 3775675.0   423.2     3.70     1.67
2.89     YES
 L0033394         0   0.26700E-07  463090.2 3775675.0   423.2     3.70     1.67
2.89     YES
 L0033395         0   0.26700E-07  463093.8 3775675.0   423.2     3.70     1.67
2.89     YES
 L0033396         0   0.26700E-07  463097.4 3775675.0   423.1     3.70     1.67
2.89     YES
 L0033397         0   0.26700E-07  463101.0 3775675.0   423.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0033398         0   0.26700E-07  463104.6 3775675.0   423.1     3.70     1.67
2.89     YES
 L0033399         0   0.26700E-07  463108.2 3775675.0   423.1     3.70     1.67
2.89     YES
 L0033400         0   0.26700E-07  463111.8 3775675.0   423.0     3.70     1.67
2.89     YES
 L0033401         0   0.26700E-07  463115.4 3775675.0   423.0     3.70     1.67
2.89     YES
 L0033402         0   0.26700E-07  463119.0 3775675.0   423.0     3.70     1.67
2.89     YES
 L0033403         0   0.26700E-07  463122.6 3775675.0   423.0     3.70     1.67
2.89     YES
 L0033404         0   0.26700E-07  463126.2 3775675.0   422.9     3.70     1.67
2.89     YES
 L0033405         0   0.26700E-07  463129.8 3775675.0   422.9     3.70     1.67
2.89     YES
 L0033406         0   0.26700E-07  463133.4 3775675.0   422.9     3.70     1.67
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2.89 YES							
L0033407	0	0.26700E-07	463137.0	3775675.0	422.9	3.70	1.67
2.89 YES							
L0033408	0	0.26700E-07	463140.6	3775675.0	422.9	3.70	1.67
2.89 YES							
L0033409	0	0.26700E-07	463144.2	3775675.0	422.9	3.70	1.67
2.89 YES							
L0033410	0	0.26700E-07	463147.8	3775675.0	422.9	3.70	1.67
2.89 YES							
L0033411	0	0.26700E-07	463151.4	3775675.0	422.9	3.70	1.67
2.89 YES							
L0033412	0	0.26700E-07	463155.0	3775675.0	422.8	3.70	1.67
2.89 YES							
L0033413	0	0.26700E-07	463158.6	3775675.0	422.8	3.70	1.67
2.89 YES							
L0033414	0	0.26700E-07	463162.2	3775675.0	422.8	3.70	1.67
2.89 YES							
L0033415	0	0.26700E-07	463165.8	3775675.0	422.8	3.70	1.67
2.89 YES							
L0033416	0	0.26700E-07	463169.4	3775675.0	422.8	3.70	1.67
2.89 YES							
L0033417	0	0.26700E-07	463173.0	3775675.0	422.8	3.70	1.67
2.89 YES							
L0033418	0	0.26700E-07	463176.6	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033419	0	0.26700E-07	463180.2	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033420	0	0.26700E-07	463183.8	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033421	0	0.26700E-07	463187.4	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033422	0	0.26700E-07	463191.0	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033423	0	0.26700E-07	463194.6	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033424	0	0.26700E-07	463198.2	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033425	0	0.26700E-07	463201.8	3775675.0	422.7	3.70	1.67
2.89 YES							
L0033426	0	0.26700E-07	463205.4	3775675.0	422.6	3.70	1.67
2.89 YES							
L0033427	0	0.26700E-07	463209.0	3775675.0	422.6	3.70	1.67
2.89 YES							
L0033428	0	0.26700E-07	463212.6	3775675.0	422.6	3.70	1.67
2.89 YES							
L0033429	0	0.26700E-07	463216.2	3775675.0	422.6	3.70	1.67
2.89 YES							
L0033430	0	0.26700E-07	463219.8	3775675.0	422.6	3.70	1.67

2.89 YES
L0033431 0 0.26700E-07 463223.4 3775675.0 422.5 3.70 1.67
2.89 YES
L0033432 0 0.26700E-07 463227.0 3775675.0 422.5 3.70 1.67
2.89 YES
L0033433 0 0.26700E-07 463230.6 3775675.0 422.5 3.70 1.67
2.89 YES
L0033434 0 0.26700E-07 463234.2 3775675.0 422.5 3.70 1.67
2.89 YES
L0033435 0 0.26700E-07 463237.8 3775675.0 422.4 3.70 1.67
2.89 YES
L0033436 0 0.26700E-07 463241.4 3775675.0 422.4 3.70 1.67
2.89 YES
L0033437 0 0.26700E-07 463245.0 3775675.0 422.4 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0033438	0	0.26700E-07	463248.6	3775675.0	422.4	3.70	1.67	2.89	YES	
L0033439	0	0.26700E-07	463252.2	3775674.9	422.3	3.70	1.67	2.89	YES	
L0033440	0	0.26700E-07	463255.8	3775674.9	422.3	3.70	1.67	2.89	YES	
L0033441	0	0.26700E-07	463259.4	3775674.9	422.3	3.70	1.67	2.89	YES	
L0033442	0	0.26700E-07	463263.0	3775674.9	422.2	3.70	1.67	2.89	YES	
L0033443	0	0.26700E-07	463266.6	3775674.9	422.2	3.70	1.67	2.89	YES	
L0033444	0	0.26700E-07	463270.2	3775674.9	422.2	3.70	1.67			

2.89 YES							
L0033445	0	0.26700E-07	463273.8	3775674.9	422.2	3.70	1.67
2.89 YES							
L0033446	0	0.26700E-07	463277.4	3775674.9	422.2	3.70	1.67
2.89 YES							
L0033447	0	0.26700E-07	463281.0	3775674.9	422.2	3.70	1.67
2.89 YES							
L0033448	0	0.26700E-07	463284.6	3775674.9	422.1	3.70	1.67
2.89 YES							
L0033449	0	0.26700E-07	463288.2	3775674.9	422.1	3.70	1.67
2.89 YES							
L0033450	0	0.26700E-07	463291.8	3775674.9	422.1	3.70	1.67
2.89 YES							
L0033451	0	0.26700E-07	463295.4	3775674.9	422.1	3.70	1.67
2.89 YES							
L0033452	0	0.26700E-07	463299.0	3775674.9	422.0	3.70	1.67
2.89 YES							
L0033453	0	0.26700E-07	463302.6	3775674.9	422.0	3.70	1.67
2.89 YES							
L0033454	0	0.26700E-07	463306.2	3775674.9	422.0	3.70	1.67
2.89 YES							
L0033455	0	0.26700E-07	463309.8	3775674.9	422.0	3.70	1.67
2.89 YES							
L0033456	0	0.26700E-07	463313.4	3775674.9	421.9	3.70	1.67
2.89 YES							
L0033457	0	0.26700E-07	463317.0	3775674.8	421.9	3.70	1.67
2.89 YES							
L0033458	0	0.26700E-07	463320.6	3775674.8	421.9	3.70	1.67
2.89 YES							
L0033459	0	0.26700E-07	463324.2	3775674.8	421.9	3.70	1.67
2.89 YES							
L0033460	0	0.26700E-07	463327.8	3775674.8	421.9	3.70	1.67
2.89 YES							
L0033461	0	0.26700E-07	463331.4	3775674.8	421.8	3.70	1.67
2.89 YES							
L0033462	0	0.26700E-07	463335.0	3775674.7	421.8	3.70	1.67
2.89 YES							
L0033463	0	0.26700E-07	463338.6	3775674.7	421.8	3.70	1.67
2.89 YES							
L0033464	0	0.26700E-07	463342.2	3775674.7	421.7	3.70	1.67
2.89 YES							
L0033465	0	0.26700E-07	463345.8	3775674.7	421.7	3.70	1.67
2.89 YES							
L0033466	0	0.26700E-07	463349.4	3775674.7	421.7	3.70	1.67
2.89 YES							
L0033467	0	0.26700E-07	463353.0	3775674.6	421.7	3.70	1.67
2.89 YES							
L0033468	0	0.26700E-07	463356.6	3775674.6	421.6	3.70	1.67

```
2.89     YES
 L0033469         0   0.26700E-07  463360.2 3775674.6   421.6     3.70     1.67
2.89     YES
 L0033470         0   0.26700E-07  463363.8 3775674.6   421.6     3.70     1.67
2.89     YES
 L0033471         0   0.26700E-07  463367.4 3775674.5   421.6     3.70     1.67
2.89     YES
 L0033472         0   0.26700E-07  463371.0 3775674.5   421.6     3.70     1.67
2.89     YES
 L0033473         0   0.26700E-07  463374.6 3775674.5   421.5     3.70     1.67
2.89     YES
 L0033474         0   0.26700E-07  463378.2 3775674.5   421.5     3.70     1.67
2.89     YES
 L0033475         0   0.26700E-07  463381.8 3775674.5   421.5     3.70     1.67
2.89     YES
 L0033476         0   0.26700E-07  463385.4 3775674.4   421.5     3.70     1.67
2.89     YES
 L0033477         0   0.26700E-07  463389.0 3775674.4   421.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***       09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***      15:24:12

                                  PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0033478         0   0.26700E-07  463392.6 3775674.4   421.4     3.70     1.67
2.89     YES
 L0033479         0   0.26700E-07  463396.2 3775674.4   421.4     3.70     1.67
2.89     YES
 L0033480         0   0.26700E-07  463399.8 3775674.3   421.4     3.70     1.67
2.89     YES
 L0033481         0   0.26700E-07  463403.4 3775674.3   421.3     3.70     1.67
2.89     YES
 L0033482         0   0.26700E-07  463407.0 3775674.3   421.3     3.70     1.67
```

2.89 YES							
L0033483	0	0.26700E-07	463410.6	3775674.3	421.3	3.70	1.67
2.89 YES							
L0033484	0	0.26700E-07	463414.2	3775674.3	421.2	3.70	1.67
2.89 YES							
L0033485	0	0.26700E-07	463417.8	3775674.2	421.2	3.70	1.67
2.89 YES							
L0033486	0	0.26700E-07	463421.4	3775674.2	421.2	3.70	1.67
2.89 YES							
L0033487	0	0.26700E-07	463425.0	3775674.2	421.2	3.70	1.67
2.89 YES							
L0033488	0	0.26700E-07	463428.6	3775674.2	421.2	3.70	1.67
2.89 YES							
L0033489	0	0.26700E-07	463432.2	3775674.1	421.1	3.70	1.67
2.89 YES							
L0033490	0	0.26700E-07	463435.8	3775674.1	421.1	3.70	1.67
2.89 YES							
L0033491	0	0.26700E-07	463439.4	3775674.1	421.1	3.70	1.67
2.89 YES							
L0033492	0	0.26700E-07	463443.0	3775674.1	421.1	3.70	1.67
2.89 YES							
L0033493	0	0.26700E-07	463446.6	3775674.1	421.1	3.70	1.67
2.89 YES							
L0033494	0	0.26700E-07	463450.2	3775674.0	421.0	3.70	1.67
2.89 YES							
L0033495	0	0.26700E-07	463453.8	3775674.0	421.0	3.70	1.67
2.89 YES							
L0033496	0	0.26700E-07	463457.4	3775674.0	421.0	3.70	1.67
2.89 YES							
L0033497	0	0.26700E-07	463461.0	3775674.0	421.0	3.70	1.67
2.89 YES							
L0033498	0	0.26700E-07	463464.6	3775673.9	421.0	3.70	1.67
2.89 YES							
L0033499	0	0.26700E-07	463468.2	3775673.9	420.9	3.70	1.67
2.89 YES							
L0033500	0	0.26700E-07	463471.8	3775673.9	420.9	3.70	1.67
2.89 YES							
L0033501	0	0.26700E-07	463475.4	3775673.9	420.9	3.70	1.67
2.89 YES							
L0033502	0	0.26700E-07	463479.0	3775673.9	420.9	3.70	1.67
2.89 YES							
L0033503	0	0.26700E-07	463482.6	3775673.8	420.9	3.70	1.67
2.89 YES							
L0033504	0	0.26700E-07	463486.2	3775673.8	420.9	3.70	1.67
2.89 YES							
L0033505	0	0.26700E-07	463489.8	3775673.8	420.8	3.70	1.67
2.89 YES							
L0033506	0	0.26700E-07	463493.4	3775673.8	420.8	3.70	1.67

```
2.89     YES
 L0033507         0   0.26700E-07  463497.0 3775673.8   420.8     3.70     1.67
2.89     YES
 L0033508         0   0.26700E-07  463500.6 3775673.7   420.8     3.70     1.67
2.89     YES
 L0033509         0   0.26700E-07  463504.2 3775673.7   420.8     3.70     1.67
2.89     YES
 L0033510         0   0.26700E-07  463507.8 3775673.7   420.8     3.70     1.67
2.89     YES
 L0033511         0   0.26700E-07  463511.4 3775673.7   420.8     3.70     1.67
2.89     YES
 L0033512         0   0.26700E-07  463515.0 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033513         0   0.26700E-07  463518.6 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033514         0   0.26700E-07  463522.2 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033515         0   0.26700E-07  463525.8 3775673.6   420.7     3.70     1.67
2.89     YES
 L0033516         0   0.26700E-07  463529.4 3775673.6   420.6     3.70     1.67
2.89     YES
 L0033517         0   0.26700E-07  463533.0 3775673.5   420.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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- - - - - - - - - - - - - - - - - - - - -

 L0033518         0   0.26700E-07  463536.6 3775673.5   420.6     3.70     1.67
2.89     YES
 L0033519         0   0.26700E-07  463540.2 3775673.5   420.6     3.70     1.67
2.89     YES
 L0033520         0   0.26700E-07  463543.8 3775673.5   420.6     3.70     1.67
```

2.89 YES							
L0033521	0	0.26700E-07	463547.4	3775673.5	420.5	3.70	1.67
2.89 YES							
L0033522	0	0.26700E-07	463551.0	3775673.5	420.5	3.70	1.67
2.89 YES							
L0033523	0	0.26700E-07	463554.6	3775673.5	420.5	3.70	1.67
2.89 YES							
L0033524	0	0.26700E-07	463558.2	3775673.5	420.5	3.70	1.67
2.89 YES							
L0033525	0	0.26700E-07	463561.8	3775673.5	420.5	3.70	1.67
2.89 YES							
L0033526	0	0.26700E-07	463565.4	3775673.5	420.4	3.70	1.67
2.89 YES							
L0033527	0	0.26700E-07	463569.0	3775673.5	420.4	3.70	1.67
2.89 YES							
L0033528	0	0.26700E-07	463572.6	3775673.5	420.4	3.70	1.67
2.89 YES							
L0033529	0	0.26700E-07	463576.2	3775673.5	420.4	3.70	1.67
2.89 YES							
L0033530	0	0.26700E-07	463579.8	3775673.5	420.4	3.70	1.67
2.89 YES							
L0033531	0	0.26700E-07	463583.4	3775673.5	420.4	3.70	1.67
2.89 YES							
L0033532	0	0.26700E-07	463587.0	3775673.5	420.3	3.70	1.67
2.89 YES							
L0033533	0	0.26700E-07	463590.6	3775673.5	420.3	3.70	1.67
2.89 YES							
L0033534	0	0.26700E-07	463594.2	3775673.5	420.3	3.70	1.67
2.89 YES							
L0033535	0	0.26700E-07	463597.8	3775673.5	420.3	3.70	1.67
2.89 YES							
L0033536	0	0.26700E-07	463601.4	3775673.5	420.2	3.70	1.67
2.89 YES							
L0033537	0	0.26700E-07	463605.0	3775673.6	420.2	3.70	1.67
2.89 YES							
L0033538	0	0.26700E-07	463608.6	3775673.6	420.2	3.70	1.67
2.89 YES							
L0033539	0	0.26700E-07	463612.2	3775673.6	420.2	3.70	1.67
2.89 YES							
L0033540	0	0.26700E-07	463615.8	3775673.6	420.2	3.70	1.67
2.89 YES							
L0033541	0	0.26700E-07	463619.4	3775673.6	420.1	3.70	1.67
2.89 YES							
L0033542	0	0.26700E-07	463623.0	3775673.6	420.1	3.70	1.67
2.89 YES							
L0033543	0	0.26700E-07	463626.6	3775673.6	420.0	3.70	1.67
2.89 YES							
L0033544	0	0.26700E-07	463630.2	3775673.6	420.0	3.70	1.67

```
2.89     YES
 L0033545         0   0.26700E-07  463633.8 3775673.6   420.0     3.70     1.67
2.89     YES
 L0033546         0   0.26700E-07  463637.4 3775673.6   419.9     3.70     1.67
2.89     YES
 L0033547         0   0.26700E-07  463641.0 3775673.6   419.9     3.70     1.67
2.89     YES
 L0033548         0   0.26700E-07  463644.6 3775673.6   419.9     3.70     1.67
2.89     YES
 L0033549         0   0.26700E-07  463648.2 3775673.6   419.9     3.70     1.67
2.89     YES
 L0033550         0   0.26700E-07  463651.8 3775673.6   419.8     3.70     1.67
2.89     YES
 L0033551         0   0.26700E-07  463655.4 3775673.6   419.8     3.70     1.67
2.89     YES
 L0033552         0   0.26700E-07  463659.0 3775673.6   419.8     3.70     1.67
2.89     YES
 L0033553         0   0.26700E-07  463662.6 3775673.6   419.7     3.70     1.67
2.89     YES
 L0033554         0   0.26700E-07  463666.2 3775673.7   419.7     3.70     1.67
2.89     YES
 L0033555         0   0.26700E-07  463669.8 3775673.7   419.7     3.70     1.67
2.89     YES
 L0033556         0   0.26700E-07  463673.4 3775673.7   419.7     3.70     1.67
2.89     YES
 L0033557         0   0.26700E-07  463677.0 3775673.7   419.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0033558         0   0.26700E-07  463680.6 3775673.7   419.6     3.70     1.67
```

2.89 YES							
L0033559	0	0.26700E-07	463684.2	3775673.6	419.6	3.70	1.67
2.89 YES							
L0033560	0	0.26700E-07	463687.8	3775673.6	419.5	3.70	1.67
2.89 YES							
L0033561	0	0.26700E-07	463691.4	3775673.6	419.5	3.70	1.67
2.89 YES							
L0033562	0	0.26700E-07	463695.0	3775673.6	419.5	3.70	1.67
2.89 YES							
L0033563	0	0.26700E-07	463698.6	3775673.6	419.5	3.70	1.67
2.89 YES							
L0033564	0	0.26700E-07	463702.2	3775673.6	419.4	3.70	1.67
2.89 YES							
L0033565	0	0.26700E-07	463705.8	3775673.6	419.4	3.70	1.67
2.89 YES							
L0033566	0	0.26700E-07	463709.4	3775673.6	419.4	3.70	1.67
2.89 YES							
L0033567	0	0.26700E-07	463713.0	3775673.5	419.4	3.70	1.67
2.89 YES							
L0033568	0	0.26700E-07	463716.6	3775673.5	419.3	3.70	1.67
2.89 YES							
L0033569	0	0.26700E-07	463720.2	3775673.5	419.3	3.70	1.67
2.89 YES							
L0033570	0	0.26700E-07	463723.8	3775673.5	419.3	3.70	1.67
2.89 YES							
L0033571	0	0.26700E-07	463727.4	3775673.5	419.3	3.70	1.67
2.89 YES							
L0033572	0	0.26700E-07	463731.0	3775673.5	419.3	3.70	1.67
2.89 YES							
L0033573	0	0.26700E-07	463734.6	3775673.5	419.2	3.70	1.67
2.89 YES							
L0033574	0	0.26700E-07	463738.2	3775673.5	419.2	3.70	1.67
2.89 YES							
L0033575	0	0.26700E-07	463741.8	3775673.4	419.2	3.70	1.67
2.89 YES							
L0033576	0	0.26700E-07	463745.4	3775673.4	419.2	3.70	1.67
2.89 YES							
L0033577	0	0.26700E-07	463749.0	3775673.4	419.2	3.70	1.67
2.89 YES							
L0033578	0	0.26700E-07	463752.6	3775673.4	419.2	3.70	1.67
2.89 YES							
L0033579	0	0.26700E-07	463756.2	3775673.4	419.1	3.70	1.67
2.89 YES							
L0033580	0	0.26700E-07	463759.8	3775673.4	419.1	3.70	1.67
2.89 YES							
L0033581	0	0.26700E-07	463763.4	3775673.4	419.1	3.70	1.67
2.89 YES							
L0033582	0	0.26700E-07	463767.0	3775673.4	419.1	3.70	1.67

```
2.89     YES
 L0033583         0   0.26700E-07  463770.6 3775673.4   419.0     3.70     1.67
2.89     YES
 L0033584         0   0.26700E-07  463774.2 3775673.3   419.0     3.70     1.67
2.89     YES
 L0033585         0   0.26700E-07  463777.8 3775673.3   419.0     3.70     1.67
2.89     YES
 L0033586         0   0.26700E-07  463781.4 3775673.3   419.0     3.70     1.67
2.89     YES
 L0033587         0   0.26700E-07  463785.0 3775673.3   418.9     3.70     1.67
2.89     YES
 L0033588         0   0.26700E-07  463788.6 3775673.3   418.9     3.70     1.67
2.89     YES
 L0033589         0   0.26700E-07  463792.2 3775673.3   418.9     3.70     1.67
2.89     YES
 L0033590         0   0.26700E-07  463795.8 3775673.3   418.9     3.70     1.67
2.89     YES
 L0033591         0   0.26700E-07  463799.4 3775673.3   418.8     3.70     1.67
2.89     YES
 L0033592         0   0.26700E-07  463803.0 3775673.2   418.8     3.70     1.67
2.89     YES
 L0033593         0   0.26700E-07  463806.6 3775673.2   418.8     3.70     1.67
2.89     YES
 L0033594         0   0.26700E-07  463810.2 3775673.2   418.8     3.70     1.67
2.89     YES
 L0033595         0   0.26700E-07  463813.8 3775673.2   418.8     3.70     1.67
2.89     YES
 L0033596         0   0.26700E-07  463817.4 3775673.2   418.7     3.70     1.67
2.89     YES
 L0033597         0   0.26700E-07  463821.0 3775673.2   418.7     3.70     1.67
2.89     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0033598	0	0.26700E-07	463824.6	3775673.2	418.7	3.70	1.67	2.89 YES
L0033599	0	0.26700E-07	463828.2	3775673.2	418.7	3.70	1.67	2.89 YES
L0033600	0	0.26700E-07	463831.8	3775673.1	418.7	3.70	1.67	2.89 YES
L0033601	0	0.26700E-07	463835.4	3775673.1	418.7	3.70	1.67	2.89 YES
L0033602	0	0.26700E-07	463839.0	3775673.1	418.7	3.70	1.67	2.89 YES
L0033603	0	0.26700E-07	463842.6	3775673.1	418.7	3.70	1.67	2.89 YES
L0033604	0	0.26700E-07	463846.2	3775673.1	418.7	3.70	1.67	2.89 YES
L0033605	0	0.26700E-07	463849.8	3775673.1	418.7	3.70	1.67	2.89 YES
L0033606	0	0.26700E-07	463853.4	3775673.1	418.7	3.70	1.67	2.89 YES
L0033607	0	0.26700E-07	463857.0	3775673.1	418.6	3.70	1.67	2.89 YES
L0033608	0	0.26700E-07	463860.6	3775673.1	418.6	3.70	1.67	2.89 YES
L0033609	0	0.26700E-07	463864.2	3775673.0	418.6	3.70	1.67	2.89 YES
L0033610	0	0.26700E-07	463867.8	3775673.0	418.6	3.70	1.67	2.89 YES
L0033611	0	0.26700E-07	463871.4	3775673.0	418.5	3.70	1.67	2.89 YES
L0033612	0	0.26700E-07	463875.0	3775673.0	418.5	3.70	1.67	2.89 YES
L0033613	0	0.26700E-07	463878.6	3775673.0	418.5	3.70	1.67	2.89 YES
L0033614	0	0.26700E-07	463882.2	3775673.0	418.5	3.70	1.67	2.89 YES
L0033615	0	0.26700E-07	463885.8	3775673.0	418.5	3.70	1.67	2.89 YES
L0033616	0	0.26700E-07	463889.4	3775673.0	418.4	3.70	1.67	2.89 YES
L0033617	0	0.26700E-07	463893.0	3775672.9	418.4	3.70	1.67	2.89 YES
L0033618	0	0.26700E-07	463896.6	3775672.9	418.4	3.70	1.67	2.89 YES
L0033619	0	0.26700E-07	463900.2	3775672.9	418.4	3.70	1.67	2.89 YES
L0033620	0	0.26700E-07	463903.8	3775672.9	418.3	3.70	1.67	

```
2.89     YES
 L0033621         0   0.26700E-07  463907.4 3775672.9   418.3     3.70     1.67
2.89     YES
 L0033622         0   0.26700E-07  463911.0 3775672.9   418.2     3.70     1.67
2.89     YES
 L0033623         0   0.26700E-07  463914.6 3775672.9   418.2     3.70     1.67
2.89     YES
 L0033624         0   0.26700E-07  463918.2 3775672.9   418.2     3.70     1.67
2.89     YES
 L0033625         0   0.26700E-07  463921.8 3775672.8   418.1     3.70     1.67
2.89     YES
 L0033626         0   0.26700E-07  463925.4 3775672.8   418.1     3.70     1.67
2.89     YES
 L0033627         0   0.26700E-07  463929.0 3775672.8   418.1     3.70     1.67
2.89     YES
 L0033628         0   0.26700E-07  463932.6 3775672.8   418.0     3.70     1.67
2.89     YES
 L0033629         0   0.26700E-07  463936.2 3775672.8   418.0     3.70     1.67
2.89     YES
 L0033630         0   0.26700E-07  463939.8 3775672.8   417.9     3.70     1.67
2.89     YES
 L0033631         0   0.26700E-07  463943.4 3775672.8   417.9     3.70     1.67
2.89     YES
 L0033632         0   0.26700E-07  463947.0 3775672.8   417.9     3.70     1.67
2.89     YES
 L0033633         0   0.26700E-07  463950.6 3775672.8   417.8     3.70     1.67
2.89     YES
 L0033634         0   0.26700E-07  463954.2 3775672.7   417.8     3.70     1.67
2.89     YES
 L0033635         0   0.26700E-07  463957.8 3775672.7   417.8     3.70     1.67
2.89     YES
 L0033636         0   0.26700E-07  463961.4 3775672.7   417.8     3.70     1.67
2.89     YES
 L0033637         0   0.26700E-07  463965.0 3775672.7   417.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                             ***    09/08/21
 *** AERMET - VERSION  16216 ***   ***
                             ***   15:24:12

                                  PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
```

SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ SOURCE VARY BY
L0033638	0	0.26700E-07	463968.6	3775672.7	417.8	3.70	1.67	2.89 YES
L0033639	0	0.26700E-07	463972.2	3775672.7	417.7	3.70	1.67	2.89 YES
L0033640	0	0.26700E-07	463975.8	3775672.7	417.7	3.70	1.67	2.89 YES
L0033641	0	0.26700E-07	463979.4	3775672.7	417.7	3.70	1.67	2.89 YES
L0033642	0	0.26700E-07	463983.0	3775672.6	417.7	3.70	1.67	2.89 YES
L0033643	0	0.26700E-07	463986.6	3775672.6	417.7	3.70	1.67	2.89 YES
L0033644	0	0.26700E-07	463990.2	3775672.6	417.7	3.70	1.67	2.89 YES
L0033645	0	0.26700E-07	463993.8	3775672.6	417.7	3.70	1.67	2.89 YES
L0033646	0	0.26700E-07	463997.4	3775672.6	417.7	3.70	1.67	2.89 YES
L0033647	0	0.26700E-07	464001.0	3775672.6	417.6	3.70	1.67	2.89 YES
L0033648	0	0.26700E-07	464004.6	3775672.6	417.6	3.70	1.67	2.89 YES
L0033649	0	0.26700E-07	464008.2	3775672.6	417.6	3.70	1.67	2.89 YES
L0033650	0	0.26700E-07	464011.8	3775672.5	417.6	3.70	1.67	2.89 YES
L0033651	0	0.26700E-07	464015.4	3775672.5	417.6	3.70	1.67	2.89 YES
L0033652	0	0.26700E-07	464019.0	3775672.5	417.6	3.70	1.67	2.89 YES
L0033653	0	0.26700E-07	464022.6	3775672.5	417.6	3.70	1.67	2.89 YES
L0033654	0	0.26700E-07	464026.2	3775672.5	417.5	3.70	1.67	2.89 YES
L0033655	0	0.26700E-07	464029.8	3775672.5	417.5	3.70	1.67	2.89 YES
L0033656	0	0.26700E-07	464033.4	3775672.5	417.5	3.70	1.67	2.89 YES
L0033657	0	0.26700E-07	464037.0	3775672.5	417.5	3.70	1.67	2.89 YES
L0033658	0	0.26700E-07	464040.6	3775672.5	417.5	3.70	1.67	

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2.89     YES
 L0033659         0   0.26700E-07  464042.8 3775673.9   417.5     3.70     1.67
2.89     YES
 L0033660         0   0.26700E-07  464042.9 3775677.5   417.6     3.70     1.67
2.89     YES
 L0033661         0   0.26700E-07  464043.0 3775681.1   417.7     3.70     1.67
2.89     YES
 L0033662         0   0.26690E-07  464038.8 3775681.0   417.8     3.70     1.67
2.89     YES
 L0033663         0   0.26690E-07  464035.2 3775681.0   417.8     3.70     1.67
2.89     YES
 L0033664         0   0.26690E-07  464031.6 3775681.0   417.8     3.70     1.67
2.89     YES
 L0033665         0   0.26690E-07  464028.0 3775681.0   417.8     3.70     1.67
2.89     YES
 L0033666         0   0.26690E-07  464024.4 3775681.1   417.8     3.70     1.67
2.89     YES
 L0033667         0   0.26690E-07  464020.8 3775681.1   417.8     3.70     1.67
2.89     YES
 L0033668         0   0.26690E-07  464017.2 3775681.1   417.8     3.70     1.67
2.89     YES
 L0033669         0   0.26690E-07  464013.6 3775681.2   417.8     3.70     1.67
2.89     YES
 L0033670         0   0.26690E-07  464010.0 3775681.2   417.8     3.70     1.67
2.89     YES
 L0033671         0   0.26690E-07  464006.4 3775681.2   417.8     3.70     1.67
2.89     YES
 L0033672         0   0.26690E-07  464002.8 3775681.2   417.8     3.70     1.67
2.89     YES
 L0033673         0   0.26690E-07  463999.2 3775681.3   417.9     3.70     1.67
2.89     YES
 L0033674         0   0.26690E-07  463995.6 3775681.3   417.9     3.70     1.67
2.89     YES
 L0033675         0   0.26690E-07  463992.0 3775681.3   417.9     3.70     1.67
2.89     YES
 L0033676         0   0.26690E-07  463988.4 3775681.3   417.9     3.70     1.67
2.89     YES
 L0033677         0   0.26690E-07  463984.8 3775681.4   417.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0033678	0	0.26690E-07	463981.2	3775681.4	417.9	3.70	1.67	2.89	YES
L0033679	0	0.26690E-07	463977.6	3775681.4	417.9	3.70	1.67	2.89	YES
L0033680	0	0.26690E-07	463974.0	3775681.4	417.9	3.70	1.67	2.89	YES
L0033681	0	0.26690E-07	463970.4	3775681.5	417.9	3.70	1.67	2.89	YES
L0033682	0	0.26690E-07	463966.8	3775681.5	417.9	3.70	1.67	2.89	YES
L0033683	0	0.26690E-07	463963.2	3775681.5	417.9	3.70	1.67	2.89	YES
L0033684	0	0.26690E-07	463959.6	3775681.6	417.9	3.70	1.67	2.89	YES
L0033685	0	0.26690E-07	463956.0	3775681.6	417.9	3.70	1.67	2.89	YES
L0033686	0	0.26690E-07	463952.4	3775681.6	417.9	3.70	1.67	2.89	YES
L0033687	0	0.26690E-07	463948.8	3775681.6	417.9	3.70	1.67	2.89	YES
L0033688	0	0.26690E-07	463945.2	3775681.7	417.9	3.70	1.67	2.89	YES
L0033689	0	0.26690E-07	463941.6	3775681.7	418.0	3.70	1.67	2.89	YES
L0033690	0	0.26690E-07	463938.0	3775681.7	418.0	3.70	1.67	2.89	YES
L0033691	0	0.26690E-07	463934.4	3775681.7	418.1	3.70	1.67	2.89	YES
L0033692	0	0.26690E-07	463930.8	3775681.8	418.1	3.70	1.67	2.89	YES
L0033693	0	0.26690E-07	463927.2	3775681.8	418.1	3.70	1.67	2.89	YES
L0033694	0	0.26690E-07	463923.6	3775681.8	418.2	3.70	1.67	2.89	YES
L0033695	0	0.26690E-07	463920.0	3775681.8	418.2	3.70	1.67	2.89	YES
L0033696	0	0.26690E-07	463916.4	3775681.9	418.3	3.70	1.67		

2.89 YES
L0033697 0 0.26690E-07 463912.8 3775681.9 418.3 3.70 1.67
2.89 YES
L0033698 0 0.26690E-07 463909.2 3775681.9 418.4 3.70 1.67
2.89 YES
L0033699 0 0.26690E-07 463905.6 3775682.0 418.4 3.70 1.67
2.89 YES
L0033700 0 0.26690E-07 463902.0 3775682.0 418.4 3.70 1.67
2.89 YES
L0033701 0 0.26690E-07 463898.4 3775682.0 418.5 3.70 1.67
2.89 YES
L0033702 0 0.26690E-07 463894.8 3775682.1 418.6 3.70 1.67
2.89 YES
L0033703 0 0.26690E-07 463891.2 3775682.1 418.6 3.70 1.67
2.89 YES
L0033704 0 0.26690E-07 463887.6 3775682.1 418.6 3.70 1.67
2.89 YES
L0033705 0 0.26690E-07 463884.0 3775682.2 418.6 3.70 1.67
2.89 YES
L0033706 0 0.26690E-07 463880.4 3775682.2 418.7 3.70 1.67
2.89 YES
L0033707 0 0.26690E-07 463876.8 3775682.2 418.7 3.70 1.67
2.89 YES
L0033708 0 0.26690E-07 463873.2 3775682.3 418.7 3.70 1.67
2.89 YES
L0033709 0 0.26690E-07 463869.6 3775682.3 418.7 3.70 1.67
2.89 YES
L0033710 0 0.26690E-07 463866.0 3775682.4 418.7 3.70 1.67
2.89 YES
L0033711 0 0.26690E-07 463862.4 3775682.4 418.8 3.70 1.67
2.89 YES
L0033712 0 0.26690E-07 463858.8 3775682.4 418.8 3.70 1.67
2.89 YES
L0033713 0 0.26690E-07 463855.2 3775682.5 418.8 3.70 1.67
2.89 YES
L0033714 0 0.26690E-07 463851.6 3775682.5 418.8 3.70 1.67
2.89 YES
L0033715 0 0.26690E-07 463848.0 3775682.5 418.9 3.70 1.67
2.89 YES
L0033716 0 0.26690E-07 463844.4 3775682.6 418.9 3.70 1.67
2.89 YES
L0033717 0 0.26690E-07 463840.8 3775682.6 418.9 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE EMISSION RATE VARY BY
L0033718	0	0.26690E-07	463837.2	3775682.6	418.9	3.70	1.67	2.89	YES
L0033719	0	0.26690E-07	463833.6	3775682.7	418.9	3.70	1.67	2.89	YES
L0033720	0	0.26690E-07	463830.0	3775682.7	418.9	3.70	1.67	2.89	YES
L0033721	0	0.26690E-07	463826.4	3775682.7	418.9	3.70	1.67	2.89	YES
L0033722	0	0.26690E-07	463822.8	3775682.8	418.9	3.70	1.67	2.89	YES
L0033723	0	0.26690E-07	463819.2	3775682.8	418.9	3.70	1.67	2.89	YES
L0033724	0	0.26690E-07	463815.6	3775682.9	418.9	3.70	1.67	2.89	YES
L0033725	0	0.26690E-07	463812.0	3775682.9	418.9	3.70	1.67	2.89	YES
L0033726	0	0.26690E-07	463808.4	3775682.9	418.9	3.70	1.67	2.89	YES
L0033727	0	0.26690E-07	463804.8	3775683.0	419.0	3.70	1.67	2.89	YES
L0033728	0	0.26690E-07	463801.2	3775683.0	419.0	3.70	1.67	2.89	YES
L0033729	0	0.26690E-07	463797.6	3775683.0	419.0	3.70	1.67	2.89	YES
L0033730	0	0.26690E-07	463794.0	3775683.1	419.0	3.70	1.67	2.89	YES
L0033731	0	0.26690E-07	463790.4	3775683.1	419.1	3.70	1.67	2.89	YES
L0033732	0	0.26690E-07	463786.8	3775683.1	419.1	3.70	1.67	2.89	YES
L0033733	0	0.26690E-07	463783.2	3775683.2	419.1	3.70	1.67	2.89	YES
L0033734	0	0.26690E-07	463779.6	3775683.2	419.2	3.70	1.67		

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2.89     YES
 L0033735         0   0.26690E-07  463776.0 3775683.2   419.2     3.70     1.67
2.89     YES
 L0033736         0   0.26690E-07  463772.4 3775683.3   419.2     3.70     1.67
2.89     YES
 L0033737         0   0.26690E-07  463768.8 3775683.3   419.3     3.70     1.67
2.89     YES
 L0033738         0   0.26690E-07  463765.2 3775683.3   419.3     3.70     1.67
2.89     YES
 L0033739         0   0.26690E-07  463761.6 3775683.4   419.3     3.70     1.67
2.89     YES
 L0033740         0   0.26690E-07  463758.0 3775683.4   419.3     3.70     1.67
2.89     YES
 L0033741         0   0.26690E-07  463754.4 3775683.5   419.4     3.70     1.67
2.89     YES
 L0033742         0   0.26690E-07  463750.8 3775683.5   419.4     3.70     1.67
2.89     YES
 L0033743         0   0.26690E-07  463747.2 3775683.5   419.4     3.70     1.67
2.89     YES
 L0033744         0   0.26690E-07  463743.6 3775683.6   419.4     3.70     1.67
2.89     YES
 L0033745         0   0.26690E-07  463740.0 3775683.6   419.4     3.70     1.67
2.89     YES
 L0033746         0   0.26690E-07  463736.4 3775683.6   419.4     3.70     1.67
2.89     YES
 L0033747         0   0.26690E-07  463732.8 3775683.7   419.4     3.70     1.67
2.89     YES
 L0033748         0   0.26690E-07  463729.2 3775683.7   419.4     3.70     1.67
2.89     YES
 L0033749         0   0.26690E-07  463725.6 3775683.7   419.5     3.70     1.67
2.89     YES
 L0033750         0   0.26690E-07  463722.0 3775683.8   419.5     3.70     1.67
2.89     YES
 L0033751         0   0.26690E-07  463718.4 3775683.8   419.5     3.70     1.67
2.89     YES
 L0033752         0   0.26690E-07  463714.8 3775683.8   419.5     3.70     1.67
2.89     YES
 L0033753         0   0.26690E-07  463711.2 3775683.9   419.5     3.70     1.67
2.89     YES
 L0033754         0   0.26690E-07  463707.6 3775683.9   419.5     3.70     1.67
2.89     YES
 L0033755         0   0.26690E-07  463704.0 3775684.0   419.6     3.70     1.67
2.89     YES
 L0033756         0   0.26690E-07  463700.4 3775684.0   419.6     3.70     1.67
2.89     YES
 L0033757         0   0.26690E-07  463696.8 3775684.0   419.6     3.70     1.67
2.89     YES
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY
L0033758	0	0.26690E-07	463693.2	3775684.1	419.6	3.70	1.67	2.89	YES	
L0033759	0	0.26690E-07	463689.6	3775684.1	419.6	3.70	1.67	2.89	YES	
L0033760	0	0.26690E-07	463686.0	3775684.1	419.7	3.70	1.67	2.89	YES	
L0033761	0	0.26690E-07	463682.4	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033762	0	0.26690E-07	463678.8	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033763	0	0.26690E-07	463675.2	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033764	0	0.26690E-07	463671.6	3775684.2	419.7	3.70	1.67	2.89	YES	
L0033765	0	0.26690E-07	463668.0	3775684.3	419.8	3.70	1.67	2.89	YES	
L0033766	0	0.26690E-07	463664.4	3775684.3	419.8	3.70	1.67	2.89	YES	
L0033767	0	0.26690E-07	463660.8	3775684.3	419.8	3.70	1.67	2.89	YES	
L0033768	0	0.26690E-07	463657.2	3775684.3	419.9	3.70	1.67	2.89	YES	
L0033769	0	0.26690E-07	463653.6	3775684.3	419.9	3.70	1.67	2.89	YES	
L0033770	0	0.26690E-07	463650.0	3775684.3	419.9	3.70	1.67	2.89	YES	
L0033771	0	0.26690E-07	463646.4	3775684.4	419.9	3.70	1.67	2.89	YES	
L0033772	0	0.26690E-07	463642.8	3775684.4	420.0	3.70	1.67			

2.89 YES							
L0033773	0	0.26690E-07	463639.2	3775684.4	420.0	3.70	1.67
2.89 YES							
L0033774	0	0.26690E-07	463635.6	3775684.4	420.1	3.70	1.67
2.89 YES							
L0033775	0	0.26690E-07	463632.0	3775684.4	420.1	3.70	1.67
2.89 YES							
L0033776	0	0.26690E-07	463628.4	3775684.5	420.2	3.70	1.67
2.89 YES							
L0033777	0	0.26690E-07	463624.8	3775684.5	420.2	3.70	1.67
2.89 YES							
L0033778	0	0.26690E-07	463621.2	3775684.5	420.2	3.70	1.67
2.89 YES							
L0033779	0	0.26690E-07	463617.6	3775684.5	420.3	3.70	1.67
2.89 YES							
L0033780	0	0.26690E-07	463614.0	3775684.5	420.3	3.70	1.67
2.89 YES							
L0033781	0	0.26690E-07	463610.4	3775684.5	420.4	3.70	1.67
2.89 YES							
L0033782	0	0.26690E-07	463606.8	3775684.6	420.4	3.70	1.67
2.89 YES							
L0033783	0	0.26690E-07	463603.2	3775684.6	420.4	3.70	1.67
2.89 YES							
L0033784	0	0.26690E-07	463599.6	3775684.6	420.4	3.70	1.67
2.89 YES							
L0033785	0	0.26690E-07	463596.0	3775684.6	420.4	3.70	1.67
2.89 YES							
L0033786	0	0.26690E-07	463592.4	3775684.6	420.4	3.70	1.67
2.89 YES							
L0033787	0	0.26690E-07	463588.8	3775684.6	420.5	3.70	1.67
2.89 YES							
L0033788	0	0.26690E-07	463585.2	3775684.7	420.5	3.70	1.67
2.89 YES							
L0033789	0	0.26690E-07	463581.6	3775684.7	420.5	3.70	1.67
2.89 YES							
L0033790	0	0.26690E-07	463578.0	3775684.7	420.5	3.70	1.67
2.89 YES							
L0033791	0	0.26690E-07	463574.4	3775684.7	420.5	3.70	1.67
2.89 YES							
L0033792	0	0.26690E-07	463570.8	3775684.7	420.6	3.70	1.67
2.89 YES							
L0033793	0	0.26690E-07	463567.2	3775684.8	420.6	3.70	1.67
2.89 YES							
L0033794	0	0.26690E-07	463563.6	3775684.8	420.6	3.70	1.67
2.89 YES							
L0033795	0	0.26690E-07	463560.0	3775684.8	420.6	3.70	1.67
2.89 YES							
L0033796	0	0.26690E-07	463556.4	3775684.8	420.7	3.70	1.67

2.89 YES
L0033797 0 0.26690E-07 463552.8 3775684.8 420.7 3.70 1.67
2.89 YES
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 69
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0033798	0	0.26690E-07	463549.2	3775684.8	420.7	3.70	1.67	2.89	YES	
L0033799	0	0.26690E-07	463545.6	3775684.9	420.7	3.70	1.67	2.89	YES	
L0033800	0	0.26690E-07	463542.0	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033801	0	0.26690E-07	463538.4	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033802	0	0.26690E-07	463534.8	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033803	0	0.26690E-07	463531.2	3775684.9	420.8	3.70	1.67	2.89	YES	
L0033804	0	0.26690E-07	463527.6	3775684.9	420.9	3.70	1.67	2.89	YES	
L0033805	0	0.26690E-07	463524.0	3775685.0	420.9	3.70	1.67	2.89	YES	
L0033806	0	0.26690E-07	463520.4	3775685.0	420.9	3.70	1.67	2.89	YES	
L0033807	0	0.26690E-07	463516.8	3775685.0	420.9	3.70	1.67	2.89	YES	
L0033808	0	0.26690E-07	463513.2	3775685.0	421.0	3.70	1.67	2.89	YES	
L0033809	0	0.26690E-07	463509.6	3775685.0	421.0	3.70	1.67	2.89	YES	
L0033810	0	0.26690E-07	463506.0	3775685.1	421.0	3.70	1.67			

2.89 YES							
L0033811	0	0.26690E-07	463502.4	3775685.1	421.0	3.70	1.67
2.89 YES							
L0033812	0	0.26690E-07	463498.8	3775685.1	421.0	3.70	1.67
2.89 YES							
L0033813	0	0.26690E-07	463495.2	3775685.1	421.0	3.70	1.67
2.89 YES							
L0033814	0	0.26690E-07	463491.6	3775685.1	421.0	3.70	1.67
2.89 YES							
L0033815	0	0.26690E-07	463488.0	3775685.1	421.0	3.70	1.67
2.89 YES							
L0033816	0	0.26690E-07	463484.4	3775685.2	421.0	3.70	1.67
2.89 YES							
L0033817	0	0.26690E-07	463480.8	3775685.2	421.1	3.70	1.67
2.89 YES							
L0033818	0	0.26690E-07	463477.2	3775685.2	421.1	3.70	1.67
2.89 YES							
L0033819	0	0.26690E-07	463473.6	3775685.2	421.1	3.70	1.67
2.89 YES							
L0033820	0	0.26690E-07	463470.0	3775685.2	421.1	3.70	1.67
2.89 YES							
L0033821	0	0.26690E-07	463466.4	3775685.3	421.1	3.70	1.67
2.89 YES							
L0033822	0	0.26690E-07	463462.8	3775685.3	421.1	3.70	1.67
2.89 YES							
L0033823	0	0.26690E-07	463459.2	3775685.3	421.1	3.70	1.67
2.89 YES							
L0033824	0	0.26690E-07	463455.6	3775685.3	421.2	3.70	1.67
2.89 YES							
L0033825	0	0.26690E-07	463452.0	3775685.3	421.2	3.70	1.67
2.89 YES							
L0033826	0	0.26690E-07	463448.4	3775685.3	421.2	3.70	1.67
2.89 YES							
L0033827	0	0.26690E-07	463444.8	3775685.4	421.2	3.70	1.67
2.89 YES							
L0033828	0	0.26690E-07	463441.2	3775685.4	421.2	3.70	1.67
2.89 YES							
L0033829	0	0.26690E-07	463437.6	3775685.4	421.2	3.70	1.67
2.89 YES							
L0033830	0	0.26690E-07	463434.0	3775685.4	421.2	3.70	1.67
2.89 YES							
L0033831	0	0.26690E-07	463430.4	3775685.4	421.2	3.70	1.67
2.89 YES							
L0033832	0	0.26690E-07	463426.8	3775685.4	421.2	3.70	1.67
2.89 YES							
L0033833	0	0.26690E-07	463423.2	3775685.5	421.3	3.70	1.67
2.89 YES							
L0033834	0	0.26690E-07	463419.6	3775685.5	421.3	3.70	1.67

```
2.89     YES
 L0033835         0   0.26690E-07  463416.0 3775685.5   421.3     3.70     1.67
2.89     YES
 L0033836         0   0.26690E-07  463412.4 3775685.5   421.3     3.70     1.67
2.89     YES
 L0033837         0   0.26690E-07  463408.8 3775685.5   421.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:24:12

                                  PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0033838         0   0.26690E-07  463405.2 3775685.6   421.4     3.70     1.67
2.89     YES
 L0033839         0   0.26690E-07  463401.6 3775685.6   421.5     3.70     1.67
2.89     YES
 L0033840         0   0.26690E-07  463398.0 3775685.6   421.5     3.70     1.67
2.89     YES
 L0033841         0   0.26690E-07  463394.4 3775685.6   421.6     3.70     1.67
2.89     YES
 L0033842         0   0.26690E-07  463390.8 3775685.6   421.6     3.70     1.67
2.89     YES
 L0033843         0   0.26690E-07  463387.2 3775685.6   421.6     3.70     1.67
2.89     YES
 L0033844         0   0.26690E-07  463383.6 3775685.7   421.7     3.70     1.67
2.89     YES
 L0033845         0   0.26690E-07  463380.0 3775685.7   421.7     3.70     1.67
2.89     YES
 L0033846         0   0.26690E-07  463376.4 3775685.7   421.7     3.70     1.67
2.89     YES
 L0033847         0   0.26690E-07  463372.8 3775685.7   421.7     3.70     1.67
2.89     YES
 L0033848         0   0.26690E-07  463369.2 3775685.7   421.8     3.70     1.67
```

2.89 YES							
L0033849	0	0.26690E-07	463365.6	3775685.7	421.8	3.70	1.67
2.89 YES							
L0033850	0	0.26690E-07	463362.0	3775685.8	421.8	3.70	1.67
2.89 YES							
L0033851	0	0.26690E-07	463358.4	3775685.8	421.8	3.70	1.67
2.89 YES							
L0033852	0	0.26690E-07	463354.8	3775685.8	421.8	3.70	1.67
2.89 YES							
L0033853	0	0.26690E-07	463351.2	3775685.8	421.9	3.70	1.67
2.89 YES							
L0033854	0	0.26690E-07	463347.6	3775685.8	421.9	3.70	1.67
2.89 YES							
L0033855	0	0.26690E-07	463344.0	3775685.8	421.9	3.70	1.67
2.89 YES							
L0033856	0	0.26690E-07	463340.4	3775685.8	422.0	3.70	1.67
2.89 YES							
L0033857	0	0.26690E-07	463336.8	3775685.9	422.0	3.70	1.67
2.89 YES							
L0033858	0	0.26690E-07	463333.2	3775685.9	422.0	3.70	1.67
2.89 YES							
L0033859	0	0.26690E-07	463329.6	3775685.9	422.1	3.70	1.67
2.89 YES							
L0033860	0	0.26690E-07	463326.0	3775685.9	422.1	3.70	1.67
2.89 YES							
L0033861	0	0.26690E-07	463322.4	3775685.9	422.1	3.70	1.67
2.89 YES							
L0033862	0	0.26690E-07	463318.8	3775685.9	422.1	3.70	1.67
2.89 YES							
L0033863	0	0.26690E-07	463315.2	3775685.9	422.2	3.70	1.67
2.89 YES							
L0033864	0	0.26690E-07	463311.6	3775686.0	422.2	3.70	1.67
2.89 YES							
L0033865	0	0.26690E-07	463308.0	3775686.0	422.2	3.70	1.67
2.89 YES							
L0033866	0	0.26690E-07	463304.4	3775686.0	422.2	3.70	1.67
2.89 YES							
L0033867	0	0.26690E-07	463300.8	3775686.0	422.2	3.70	1.67
2.89 YES							
L0033868	0	0.26690E-07	463297.2	3775686.0	422.3	3.70	1.67
2.89 YES							
L0033869	0	0.26690E-07	463293.6	3775686.0	422.3	3.70	1.67
2.89 YES							
L0033870	0	0.26690E-07	463290.0	3775686.0	422.3	3.70	1.67
2.89 YES							
L0033871	0	0.26690E-07	463286.4	3775686.1	422.4	3.70	1.67
2.89 YES							
L0033872	0	0.26690E-07	463282.8	3775686.1	422.4	3.70	1.67

```
2.89     YES
 L0033873         0   0.26690E-07  463279.2 3775686.1   422.4     3.70     1.67
2.89     YES
 L0033874         0   0.26690E-07  463275.6 3775686.1   422.4     3.70     1.67
2.89     YES
 L0033875         0   0.26690E-07  463272.0 3775686.1   422.5     3.70     1.67
2.89     YES
 L0033876         0   0.26690E-07  463268.4 3775686.1   422.5     3.70     1.67
2.89     YES
 L0033877         0   0.26690E-07  463264.8 3775686.1   422.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0033878         0   0.26690E-07  463261.2 3775686.2   422.5     3.70     1.67
2.89     YES
 L0033879         0   0.26690E-07  463257.6 3775686.2   422.6     3.70     1.67
2.89     YES
 L0033880         0   0.26690E-07  463254.0 3775686.2   422.6     3.70     1.67
2.89     YES
 L0033881         0   0.26690E-07  463250.4 3775686.2   422.6     3.70     1.67
2.89     YES
 L0033882         0   0.26690E-07  463246.8 3775686.2   422.6     3.70     1.67
2.89     YES
 L0033883         0   0.26690E-07  463243.2 3775686.2   422.7     3.70     1.67
2.89     YES
 L0033884         0   0.26690E-07  463239.6 3775686.2   422.7     3.70     1.67
2.89     YES
 L0033885         0   0.26690E-07  463236.0 3775686.3   422.7     3.70     1.67
2.89     YES
 L0033886         0   0.26690E-07  463232.4 3775686.3   422.8     3.70     1.67
```

2.89 YES							
L0033887	0	0.26690E-07	463228.8	3775686.3	422.8	3.70	1.67
2.89 YES							
L0033888	0	0.26690E-07	463225.2	3775686.3	422.8	3.70	1.67
2.89 YES							
L0033889	0	0.26690E-07	463221.6	3775686.3	422.8	3.70	1.67
2.89 YES							
L0033890	0	0.26690E-07	463218.0	3775686.3	422.9	3.70	1.67
2.89 YES							
L0033891	0	0.26690E-07	463214.4	3775686.3	422.9	3.70	1.67
2.89 YES							
L0033892	0	0.26690E-07	463210.8	3775686.4	422.9	3.70	1.67
2.89 YES							
L0033893	0	0.26690E-07	463207.2	3775686.4	422.9	3.70	1.67
2.89 YES							
L0033894	0	0.26690E-07	463203.6	3775686.4	422.9	3.70	1.67
2.89 YES							
L0033895	0	0.26690E-07	463200.0	3775686.4	422.9	3.70	1.67
2.89 YES							
L0033896	0	0.26690E-07	463196.4	3775686.4	422.9	3.70	1.67
2.89 YES							
L0033897	0	0.26690E-07	463192.8	3775686.4	422.9	3.70	1.67
2.89 YES							
L0033898	0	0.26690E-07	463189.2	3775686.4	423.0	3.70	1.67
2.89 YES							
L0033899	0	0.26690E-07	463185.6	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033900	0	0.26690E-07	463182.0	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033901	0	0.26690E-07	463178.4	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033902	0	0.26690E-07	463174.8	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033903	0	0.26690E-07	463171.2	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033904	0	0.26690E-07	463167.6	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033905	0	0.26690E-07	463164.0	3775686.5	423.0	3.70	1.67
2.89 YES							
L0033906	0	0.26690E-07	463160.4	3775686.6	423.0	3.70	1.67
2.89 YES							
L0033907	0	0.26690E-07	463156.8	3775686.6	423.0	3.70	1.67
2.89 YES							
L0033908	0	0.26690E-07	463153.2	3775686.6	423.0	3.70	1.67
2.89 YES							
L0033909	0	0.26690E-07	463149.6	3775686.6	423.0	3.70	1.67
2.89 YES							
L0033910	0	0.26690E-07	463146.0	3775686.6	423.0	3.70	1.67

2.89 YES
L0033911 0 0.26690E-07 463142.4 3775686.6 423.0 3.70 1.67
2.89 YES
L0033912 0 0.26690E-07 463138.8 3775686.6 423.1 3.70 1.67
2.89 YES
L0033913 0 0.26690E-07 463135.2 3775686.7 423.1 3.70 1.67
2.89 YES
L0033914 0 0.26690E-07 463131.6 3775686.7 423.1 3.70 1.67
2.89 YES
L0033915 0 0.26690E-07 463128.0 3775686.7 423.1 3.70 1.67
2.89 YES
L0033916 0 0.26690E-07 463124.4 3775686.7 423.1 3.70 1.67
2.89 YES
L0033917 0 0.26690E-07 463120.8 3775686.7 423.1 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0033918	0	0.26690E-07	463117.2	3775686.7	423.1	3.70	1.67	2.89	YES	
L0033919	0	0.26690E-07	463113.6	3775686.7	423.2	3.70	1.67	2.89	YES	
L0033920	0	0.26690E-07	463110.0	3775686.8	423.2	3.70	1.67	2.89	YES	
L0033921	0	0.26690E-07	463106.4	3775686.8	423.2	3.70	1.67	2.89	YES	
L0033922	0	0.26690E-07	463102.8	3775686.8	423.3	3.70	1.67	2.89	YES	
L0033923	0	0.26690E-07	463099.2	3775686.8	423.3	3.70	1.67	2.89	YES	
L0033924	0	0.26690E-07	463095.6	3775686.8	423.3	3.70	1.67			

2.89 YES							
L0033925	0	0.26690E-07	463092.0	3775686.8	423.3	3.70	1.67
2.89 YES							
L0033926	0	0.26690E-07	463088.4	3775686.8	423.4	3.70	1.67
2.89 YES							
L0033927	0	0.26690E-07	463084.8	3775686.9	423.4	3.70	1.67
2.89 YES							
L0033928	0	0.26690E-07	463081.2	3775686.9	423.4	3.70	1.67
2.89 YES							
L0033929	0	0.26690E-07	463077.6	3775686.9	423.4	3.70	1.67
2.89 YES							
L0033930	0	0.26690E-07	463074.0	3775686.9	423.5	3.70	1.67
2.89 YES							
L0033931	0	0.26690E-07	463070.4	3775686.9	423.5	3.70	1.67
2.89 YES							
L0033932	0	0.26690E-07	463066.8	3775686.9	423.5	3.70	1.67
2.89 YES							
L0033933	0	0.26690E-07	463063.2	3775686.9	423.6	3.70	1.67
2.89 YES							
L0033934	0	0.26690E-07	463059.6	3775687.0	423.6	3.70	1.67
2.89 YES							
L0033935	0	0.26690E-07	463056.0	3775687.0	423.6	3.70	1.67
2.89 YES							
L0033936	0	0.26690E-07	463052.4	3775687.0	423.6	3.70	1.67
2.89 YES							
L0033937	0	0.26690E-07	463048.8	3775687.0	423.7	3.70	1.67
2.89 YES							
L0033938	0	0.26690E-07	463045.2	3775687.0	423.7	3.70	1.67
2.89 YES							
L0033939	0	0.26690E-07	463041.6	3775687.0	423.7	3.70	1.67
2.89 YES							
L0033940	0	0.26690E-07	463038.0	3775687.0	423.7	3.70	1.67
2.89 YES							
L0033941	0	0.26690E-07	463034.4	3775687.1	423.7	3.70	1.67
2.89 YES							
L0033942	0	0.26690E-07	463030.8	3775687.1	423.7	3.70	1.67
2.89 YES							
L0033943	0	0.26690E-07	463027.2	3775687.1	423.7	3.70	1.67
2.89 YES							
L0033944	0	0.26690E-07	463023.6	3775687.1	423.7	3.70	1.67
2.89 YES							
L0033945	0	0.26690E-07	463020.0	3775687.2	423.8	3.70	1.67
2.89 YES							
L0033946	0	0.26690E-07	463016.4	3775687.2	423.8	3.70	1.67
2.89 YES							
L0033947	0	0.26690E-07	463012.8	3775687.3	423.9	3.70	1.67
2.89 YES							
L0033948	0	0.26690E-07	463009.2	3775687.3	423.9	3.70	1.67

```
2.89     YES
 L0033949         0   0.26690E-07  463005.6 3775687.3   424.0     3.70     1.67
2.89     YES
 L0033950         0   0.26690E-07  463002.0 3775687.4   424.0     3.70     1.67
2.89     YES
 L0033951         0   0.26690E-07  462998.4 3775687.4   424.1     3.70     1.67
2.89     YES
 L0033952         0   0.26690E-07  462994.8 3775687.4   424.1     3.70     1.67
2.89     YES
 L0033953         0   0.26690E-07  462991.2 3775687.5   424.1     3.70     1.67
2.89     YES
 L0033954         0   0.26690E-07  462987.6 3775687.5   424.1     3.70     1.67
2.89     YES
 L0033955         0   0.26690E-07  462984.0 3775687.6   424.1     3.70     1.67
2.89     YES
 L0033956         0   0.26690E-07  462980.4 3775687.6   424.1     3.70     1.67
2.89     YES
 L0033957         0   0.26690E-07  462976.8 3775687.6   424.1     3.70     1.67
2.89     YES
↑ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                   PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0033958         0   0.26690E-07  462973.2 3775687.7   424.1     3.70     1.67
2.89     YES
 L0033959         0   0.26690E-07  462969.6 3775687.7   424.2     3.70     1.67
2.89     YES
 L0033960         0   0.26690E-07  462966.0 3775687.7   424.2     3.70     1.67
2.89     YES
 L0033961         0   0.26690E-07  462962.4 3775687.8   424.3     3.70     1.67
2.89     YES
 L0033962         0   0.26690E-07  462958.8 3775687.8   424.3     3.70     1.67
```

2.89 YES							
L0033963	0	0.26690E-07	462955.2	3775687.8	424.4	3.70	1.67
2.89 YES							
L0033964	0	0.26690E-07	462951.6	3775687.9	424.4	3.70	1.67
2.89 YES							
L0033965	0	0.26690E-07	462948.0	3775687.9	424.4	3.70	1.67
2.89 YES							
L0033966	0	0.26690E-07	462944.4	3775688.0	424.5	3.70	1.67
2.89 YES							
L0033967	0	0.26690E-07	462940.8	3775688.0	424.5	3.70	1.67
2.89 YES							
L0033968	0	0.26690E-07	462937.2	3775688.0	424.6	3.70	1.67
2.89 YES							
L0033969	0	0.26690E-07	462933.6	3775688.1	424.6	3.70	1.67
2.89 YES							
L0033970	0	0.26690E-07	462930.0	3775688.1	424.6	3.70	1.67
2.89 YES							
L0033971	0	0.26690E-07	462926.4	3775688.1	424.7	3.70	1.67
2.89 YES							
L0033972	0	0.26690E-07	462922.8	3775688.2	424.7	3.70	1.67
2.89 YES							
L0033973	0	0.26690E-07	462919.2	3775688.2	424.7	3.70	1.67
2.89 YES							
L0033974	0	0.26690E-07	462915.6	3775688.2	424.7	3.70	1.67
2.89 YES							
L0033975	0	0.26690E-07	462912.0	3775688.3	424.8	3.70	1.67
2.89 YES							
L0033976	0	0.26690E-07	462908.4	3775688.3	424.8	3.70	1.67
2.89 YES							
L0033977	0	0.26690E-07	462904.8	3775688.4	424.8	3.70	1.67
2.89 YES							
L0033978	0	0.26690E-07	462901.2	3775688.4	424.8	3.70	1.67
2.89 YES							
L0033979	0	0.26690E-07	462897.6	3775688.4	424.8	3.70	1.67
2.89 YES							
L0033980	0	0.26690E-07	462894.0	3775688.5	424.8	3.70	1.67
2.89 YES							
L0033981	0	0.26690E-07	462890.4	3775688.5	424.8	3.70	1.67
2.89 YES							
L0033982	0	0.26690E-07	462886.8	3775688.5	424.8	3.70	1.67
2.89 YES							
L0033983	0	0.26690E-07	462883.2	3775688.6	424.8	3.70	1.67
2.89 YES							
L0033984	0	0.26690E-07	462879.6	3775688.6	424.8	3.70	1.67
2.89 YES							
L0033985	0	0.26690E-07	462876.0	3775688.6	424.9	3.70	1.67
2.89 YES							
L0033986	0	0.26690E-07	462872.4	3775688.7	424.9	3.70	1.67

2.89 YES
L0033987 0 0.26690E-07 462868.8 3775688.7 424.9 3.70 1.67
2.89 YES
L0033988 0 0.26690E-07 462865.2 3775688.8 424.9 3.70 1.67
2.89 YES
L0033989 0 0.26690E-07 462861.6 3775688.8 424.9 3.70 1.67
2.89 YES
L0033990 0 0.26690E-07 462858.0 3775688.8 424.9 3.70 1.67
2.89 YES
L0033991 0 0.26690E-07 462854.4 3775688.9 424.9 3.70 1.67
2.89 YES
L0033992 0 0.26690E-07 462850.8 3775688.9 424.9 3.70 1.67
2.89 YES
L0033993 0 0.26690E-07 462847.2 3775688.9 424.9 3.70 1.67
2.89 YES
L0033994 0 0.26690E-07 462843.6 3775689.0 424.9 3.70 1.67
2.89 YES
L0033995 0 0.26690E-07 462840.0 3775689.0 424.9 3.70 1.67
2.89 YES
L0033996 0 0.26690E-07 462836.4 3775689.0 425.0 3.70 1.67
2.89 YES
L0033997 0 0.26690E-07 462832.8 3775689.1 425.0 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0033998	0	0.26690E-07	462829.2	3775689.1	425.0	3.70	1.67	2.89	YES	
L0033999	0	0.26690E-07	462825.6	3775689.1	425.0	3.70	1.67	2.89	YES	
L0034000	0	0.26690E-07	462822.0	3775689.1	425.0	3.70	1.67			

2.89 YES							
L0034001	0	0.26690E-07	462818.4	3775689.0	425.0	3.70	1.67
2.89 YES							
L0034002	0	0.26690E-07	462814.8	3775689.0	425.0	3.70	1.67
2.89 YES							
L0034003	0	0.26690E-07	462811.2	3775689.0	425.0	3.70	1.67
2.89 YES							
L0034004	0	0.26690E-07	462807.6	3775689.0	425.1	3.70	1.67
2.89 YES							
L0034005	0	0.26690E-07	462804.0	3775689.0	425.1	3.70	1.67
2.89 YES							
L0034006	0	0.26690E-07	462800.4	3775689.0	425.1	3.70	1.67
2.89 YES							
L0034007	0	0.26690E-07	462796.8	3775689.0	425.1	3.70	1.67
2.89 YES							
L0034008	0	0.26690E-07	462793.2	3775689.0	425.1	3.70	1.67
2.89 YES							
L0034009	0	0.26690E-07	462789.6	3775688.9	425.1	3.70	1.67
2.89 YES							
L0034010	0	0.26690E-07	462786.0	3775688.9	425.1	3.70	1.67
2.89 YES							
L0034011	0	0.26690E-07	462782.4	3775688.9	425.1	3.70	1.67
2.89 YES							
L0034012	0	0.26690E-07	462778.8	3775688.9	425.1	3.70	1.67
2.89 YES							
L0034013	0	0.26690E-07	462775.2	3775688.9	425.2	3.70	1.67
2.89 YES							
L0034014	0	0.26690E-07	462771.6	3775688.9	425.2	3.70	1.67
2.89 YES							
L0034015	0	0.26690E-07	462768.0	3775688.9	425.2	3.70	1.67
2.89 YES							
L0034016	0	0.26690E-07	462764.4	3775688.9	425.2	3.70	1.67
2.89 YES							
L0034017	0	0.26690E-07	462760.8	3775688.9	425.2	3.70	1.67
2.89 YES							
L0034018	0	0.26690E-07	462757.2	3775688.8	425.2	3.70	1.67
2.89 YES							
L0034019	0	0.26690E-07	462753.6	3775688.8	425.2	3.70	1.67
2.89 YES							
L0034020	0	0.26690E-07	462750.0	3775688.8	425.2	3.70	1.67
2.89 YES							
L0034021	0	0.26690E-07	462746.4	3775688.8	425.2	3.70	1.67
2.89 YES							
L0034022	0	0.26690E-07	462742.8	3775688.8	425.2	3.70	1.67
2.89 YES							
L0034023	0	0.26690E-07	462739.2	3775688.8	425.2	3.70	1.67
2.89 YES							
L0034024	0	0.26690E-07	462735.6	3775688.8	425.3	3.70	1.67

```
2.89     YES
 L0034025         0   0.26690E-07  462732.0 3775688.8   425.3     3.70     1.67
2.89     YES
 L0034026         0   0.26690E-07  462728.4 3775688.7   425.3     3.70     1.67
2.89     YES
 L0034027         0   0.26690E-07  462724.8 3775688.7   425.3     3.70     1.67
2.89     YES
 L0034028         0   0.26690E-07  462721.2 3775688.7   425.4     3.70     1.67
2.89     YES
 L0034029         0   0.26690E-07  462717.6 3775688.7   425.4     3.70     1.67
2.89     YES
 L0034030         0   0.26690E-07  462714.0 3775688.7   425.4     3.70     1.67
2.89     YES
 L0034031         0   0.26690E-07  462710.4 3775688.7   425.4     3.70     1.67
2.89     YES
 L0034032         0   0.26690E-07  462706.8 3775688.7   425.5     3.70     1.67
2.89     YES
 L0034033         0   0.26690E-07  462703.2 3775688.7   425.5     3.70     1.67
2.89     YES
 L0034034         0   0.26690E-07  462699.6 3775688.6   425.6     3.70     1.67
2.89     YES
 L0034035         0   0.26690E-07  462696.0 3775688.6   425.6     3.70     1.67
2.89     YES
 L0034036         0   0.26690E-07  462692.4 3775688.6   425.7     3.70     1.67
2.89     YES
 L0034037         0   0.26690E-07  462688.8 3775688.6   425.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0034038         0   0.26690E-07  462685.2 3775688.6   425.8     3.70     1.67
```

2.89 YES							
L0034039	0	0.26690E-07	462681.6	3775688.6	425.8	3.70	1.67
2.89 YES							
L0034040	0	0.26690E-07	462678.0	3775688.6	425.8	3.70	1.67
2.89 YES							
L0034041	0	0.26690E-07	462674.4	3775688.6	425.9	3.70	1.67
2.89 YES							
L0034042	0	0.26690E-07	462670.8	3775688.5	425.9	3.70	1.67
2.89 YES							
L0034043	0	0.26690E-07	462667.2	3775688.5	425.9	3.70	1.67
2.89 YES							
L0034044	0	0.26690E-07	462663.6	3775688.5	426.0	3.70	1.67
2.89 YES							
L0034045	0	0.26690E-07	462660.0	3775688.5	426.0	3.70	1.67
2.89 YES							
L0034046	0	0.26690E-07	462656.4	3775688.5	426.0	3.70	1.67
2.89 YES							
L0034047	0	0.26690E-07	462652.8	3775688.5	426.1	3.70	1.67
2.89 YES							
L0034048	0	0.26690E-07	462649.2	3775688.5	426.1	3.70	1.67
2.89 YES							
L0034049	0	0.26690E-07	462645.6	3775688.5	426.1	3.70	1.67
2.89 YES							
L0034050	0	0.26690E-07	462642.0	3775688.4	426.1	3.70	1.67
2.89 YES							
L0034051	0	0.26690E-07	462638.4	3775688.4	426.1	3.70	1.67
2.89 YES							
L0034052	0	0.26690E-07	462634.8	3775688.4	426.2	3.70	1.67
2.89 YES							
L0034053	0	0.26690E-07	462631.2	3775688.4	426.2	3.70	1.67
2.89 YES							
L0034054	0	0.26690E-07	462627.6	3775688.4	426.2	3.70	1.67
2.89 YES							
L0034055	0	0.26690E-07	462624.0	3775688.5	426.2	3.70	1.67
2.89 YES							
L0034056	0	0.26690E-07	462620.4	3775688.5	426.2	3.70	1.67
2.89 YES							
L0034057	0	0.26690E-07	462616.8	3775688.5	426.2	3.70	1.67
2.89 YES							
L0034058	0	0.26690E-07	462613.2	3775688.5	426.2	3.70	1.67
2.89 YES							
L0034059	0	0.26690E-07	462609.6	3775688.5	426.2	3.70	1.67
2.89 YES							
L0034060	0	0.26690E-07	462606.0	3775688.5	426.3	3.70	1.67
2.89 YES							
L0034061	0	0.26690E-07	462602.4	3775688.6	426.4	3.70	1.67
2.89 YES							
L0034062	0	0.26690E-07	462598.8	3775688.6	426.4	3.70	1.67

```
2.89     YES
 L0034063         0   0.26690E-07  462595.2 3775688.6   426.5     3.70     1.67
2.89     YES
 L0034064         0   0.26690E-07  462591.6 3775688.6   426.5     3.70     1.67
2.89     YES
 L0034065         0   0.26690E-07  462588.0 3775688.6   426.6     3.70     1.67
2.89     YES
 L0034066         0   0.26690E-07  462584.4 3775688.7   426.6     3.70     1.67
2.89     YES
 L0034067         0   0.26690E-07  462580.8 3775688.7   426.7     3.70     1.67
2.89     YES
 L0034068         0   0.26690E-07  462577.2 3775688.7   426.7     3.70     1.67
2.89     YES
 L0034069         0   0.26690E-07  462573.6 3775688.7   426.7     3.70     1.67
2.89     YES
 L0034070         0   0.26690E-07  462570.0 3775688.7   426.8     3.70     1.67
2.89     YES
 L0034071         0   0.26690E-07  462566.4 3775688.8   426.8     3.70     1.67
2.89     YES
 L0034072         0   0.26690E-07  462562.8 3775688.8   426.8     3.70     1.67
2.89     YES
 L0034073         0   0.26690E-07  462559.2 3775688.8   426.9     3.70     1.67
2.89     YES
 L0034074         0   0.26690E-07  462555.6 3775688.8   426.9     3.70     1.67
2.89     YES
 L0034075         0   0.26690E-07  462552.0 3775688.8   426.9     3.70     1.67
2.89     YES
 L0034076         0   0.26690E-07  462548.4 3775688.8   426.9     3.70     1.67
2.89     YES
 L0034077         0   0.26690E-07  462544.8 3775688.9   426.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                     PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
```

L0034078	0	0.26690E-07	462541.2	3775688.9	426.9	3.70	1.67	2.89 YES
L0034079	0	0.26690E-07	462537.6	3775688.9	426.9	3.70	1.67	2.89 YES
L0034080	0	0.26690E-07	462534.0	3775688.9	426.9	3.70	1.67	2.89 YES
L0034081	0	0.26690E-07	462530.4	3775688.9	427.0	3.70	1.67	2.89 YES
L0034082	0	0.26690E-07	462526.8	3775689.0	427.0	3.70	1.67	2.89 YES
L0034083	0	0.26690E-07	462523.2	3775689.0	427.0	3.70	1.67	2.89 YES
L0034084	0	0.26690E-07	462519.6	3775689.0	427.0	3.70	1.67	2.89 YES
L0034085	0	0.26690E-07	462516.0	3775689.0	427.0	3.70	1.67	2.89 YES
L0034086	0	0.26690E-07	462512.4	3775689.0	427.0	3.70	1.67	2.89 YES
L0034087	0	0.26690E-07	462508.8	3775689.1	427.0	3.70	1.67	2.89 YES
L0034088	0	0.26690E-07	462505.2	3775689.1	427.0	3.70	1.67	2.89 YES
L0034089	0	0.26690E-07	462501.6	3775689.1	427.1	3.70	1.67	2.89 YES
L0034090	0	0.26690E-07	462498.0	3775689.1	427.1	3.70	1.67	2.89 YES
L0034091	0	0.26690E-07	462494.4	3775689.1	427.1	3.70	1.67	2.89 YES
L0034092	0	0.26690E-07	462490.8	3775689.2	427.1	3.70	1.67	2.89 YES
L0034093	0	0.26690E-07	462487.2	3775689.2	427.1	3.70	1.67	2.89 YES
L0034094	0	0.26690E-07	462483.6	3775689.2	427.1	3.70	1.67	2.89 YES
L0034095	0	0.26690E-07	462480.0	3775689.2	427.1	3.70	1.67	2.89 YES
L0034096	0	0.26690E-07	462476.4	3775689.2	427.1	3.70	1.67	2.89 YES
L0034097	0	0.26690E-07	462472.8	3775689.2	427.2	3.70	1.67	2.89 YES
L0034098	0	0.26690E-07	462469.2	3775689.3	427.2	3.70	1.67	2.89 YES
L0034099	0	0.26690E-07	462465.6	3775689.3	427.2	3.70	1.67	2.89 YES
L0034100	0	0.26690E-07	462462.0	3775689.3	427.2	3.70	1.67	

```
2.89     YES
 L0034101         0   0.26690E-07  462458.4 3775689.3   427.2     3.70     1.67
2.89     YES
 L0034102         0   0.26690E-07  462454.8 3775689.3   427.2     3.70     1.67
2.89     YES
 L0034103         0   0.26690E-07  462451.2 3775689.4   427.2     3.70     1.67
2.89     YES
 L0034104         0   0.26690E-07  462447.6 3775689.4   427.3     3.70     1.67
2.89     YES
 L0034105         0   0.26690E-07  462444.0 3775689.4   427.3     3.70     1.67
2.89     YES
 L0034106         0   0.26690E-07  462440.4 3775689.4   427.3     3.70     1.67
2.89     YES
 L0034107         0   0.26690E-07  462436.8 3775689.4   427.3     3.70     1.67
2.89     YES
 L0034108         0   0.26690E-07  462433.2 3775689.5   427.3     3.70     1.67
2.89     YES
 L0034109         0   0.26690E-07  462429.6 3775689.5   427.3     3.70     1.67
2.89     YES
 L0034110         0   0.26690E-07  462426.0 3775689.5   427.4     3.70     1.67
2.89     YES
 L0034111         0   0.26690E-07  462422.4 3775689.5   427.4     3.70     1.67
2.89     YES
 L0034112         0   0.26690E-07  462418.8 3775689.5   427.4     3.70     1.67
2.89     YES
 L0034113         0   0.26690E-07  462415.2 3775689.5   427.4     3.70     1.67
2.89     YES
 L0034114         0   0.26690E-07  462411.6 3775689.6   427.4     3.70     1.67
2.89     YES
 L0034115         0   0.26690E-07  462408.0 3775689.6   427.4     3.70     1.67
2.89     YES
 L0034116         0   0.26690E-07  462404.4 3775689.6   427.4     3.70     1.67
2.89     YES
 L0034117         0   0.26690E-07  462400.8 3775689.6   427.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                             ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                             ***        15:24:12

                                    PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
```

SOURCE ID	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ
L0034118	0	0.26690E-07	462397.2	3775689.6	427.4	3.70	1.67	2.89 YES
L0034119	0	0.26690E-07	462393.6	3775689.7	427.4	3.70	1.67	2.89 YES
L0034120	0	0.26690E-07	462390.0	3775689.7	427.4	3.70	1.67	2.89 YES
L0034121	0	0.26690E-07	462386.4	3775689.7	427.4	3.70	1.67	2.89 YES
L0034122	0	0.26690E-07	462382.8	3775689.7	427.4	3.70	1.67	2.89 YES
L0034123	0	0.26690E-07	462379.2	3775689.7	427.4	3.70	1.67	2.89 YES
L0034124	0	0.26690E-07	462375.6	3775689.8	427.4	3.70	1.67	2.89 YES
L0034125	0	0.26690E-07	462372.0	3775689.8	427.4	3.70	1.67	2.89 YES
L0034126	0	0.26690E-07	462368.4	3775689.8	427.4	3.70	1.67	2.89 YES
L0034127	0	0.26690E-07	462364.8	3775689.8	427.4	3.70	1.67	2.89 YES
L0034128	0	0.26690E-07	462361.2	3775689.8	427.4	3.70	1.67	2.89 YES
L0034129	0	0.26690E-07	462357.6	3775689.9	427.4	3.70	1.67	2.89 YES
L0034130	0	0.26690E-07	462354.0	3775689.9	427.4	3.70	1.67	2.89 YES
L0034131	0	0.26690E-07	462350.4	3775689.9	427.4	3.70	1.67	2.89 YES
L0034132	0	0.26690E-07	462346.8	3775689.9	427.4	3.70	1.67	2.89 YES
L0034133	0	0.26690E-07	462343.2	3775689.9	427.4	3.70	1.67	2.89 YES
L0034134	0	0.26690E-07	462339.6	3775689.9	427.4	3.70	1.67	2.89 YES
L0034135	0	0.26690E-07	462336.0	3775690.0	427.4	3.70	1.67	2.89 YES
L0034136	0	0.26690E-07	462332.4	3775690.0	427.4	3.70	1.67	2.89 YES
L0034137	0	0.26690E-07	462328.8	3775690.0	427.4	3.70	1.67	2.89 YES
L0034138	0	0.26690E-07	462325.2	3775690.0	427.4	3.70	1.67	

```
2.89     YES
 L0034139         0   0.26690E-07  462321.6 3775690.0   427.4     3.70     1.67
2.89     YES
 L0034140         0   0.26690E-07  462318.0 3775690.1   427.5     3.70     1.67
2.89     YES
 L0034141         0   0.26690E-07  462314.4 3775690.1   427.5     3.70     1.67
2.89     YES
 L0034142         0   0.26690E-07  462310.8 3775690.1   427.5     3.70     1.67
2.89     YES
 L0034143         0   0.26690E-07  462307.2 3775690.1   427.5     3.70     1.67
2.89     YES
 L0034144         0   0.26690E-07  462303.6 3775690.1   427.5     3.70     1.67
2.89     YES
 L0034145         0   0.26690E-07  462300.0 3775690.2   427.4     3.70     1.67
2.89     YES
 L0034146         0   0.26690E-07  462296.4 3775690.2   427.4     3.70     1.67
2.89     YES
 L0034147         0   0.26690E-07  462292.8 3775690.2   427.4     3.70     1.67
2.89     YES
 L0034148         0   0.26690E-07  462289.2 3775690.2   427.4     3.70     1.67
2.89     YES
 L0034149         0   0.26690E-07  462285.6 3775690.2   427.4     3.70     1.67
2.89     YES
 L0034150         0   0.26690E-07  462282.0 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034151         0   0.26690E-07  462278.4 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034152         0   0.26690E-07  462274.8 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034153         0   0.26690E-07  462271.2 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034154         0   0.26690E-07  462267.6 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034155         0   0.26690E-07  462264.0 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034156         0   0.26690E-07  462260.4 3775690.1   427.4     3.70     1.67
2.89     YES
 L0034157         0   0.26690E-07  462256.8 3775690.1   427.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034158	0	0.26690E-07	462253.2	3775690.1	427.4	3.70	1.67	2.89	YES	
L0034159	0	0.26690E-07	462249.6	3775690.1	427.4	3.70	1.67	2.89	YES	
L0034160	0	0.26690E-07	462246.0	3775690.1	427.4	3.70	1.67	2.89	YES	
L0034161	0	0.26690E-07	462242.4	3775690.0	427.4	3.70	1.67	2.89	YES	
L0034162	0	0.26690E-07	462238.8	3775690.0	427.5	3.70	1.67	2.89	YES	
L0034163	0	0.26690E-07	462235.2	3775690.0	427.5	3.70	1.67	2.89	YES	
L0034164	0	0.26690E-07	462231.6	3775690.0	427.5	3.70	1.67	2.89	YES	
L0034165	0	0.26690E-07	462228.0	3775690.0	427.6	3.70	1.67	2.89	YES	
L0034166	0	0.26690E-07	462224.4	3775690.0	427.7	3.70	1.67	2.89	YES	
L0034167	0	0.26690E-07	462220.8	3775690.0	427.7	3.70	1.67	2.89	YES	
L0034168	0	0.26690E-07	462217.2	3775690.0	427.8	3.70	1.67	2.89	YES	
L0034169	0	0.26690E-07	462213.6	3775690.0	427.9	3.70	1.67	2.89	YES	
L0034170	0	0.26690E-07	462210.0	3775690.0	428.0	3.70	1.67	2.89	YES	
L0034171	0	0.26690E-07	462206.4	3775690.0	428.0	3.70	1.67	2.89	YES	
L0034172	0	0.26690E-07	462202.8	3775689.9	428.1	3.70	1.67	2.89	YES	
L0034173	0	0.26690E-07	462199.2	3775689.9	428.2	3.70	1.67	2.89	YES	
L0034174	0	0.26690E-07	462195.6	3775689.9	428.3	3.70	1.67	2.89	YES	
L0034175	0	0.26690E-07	462192.0	3775689.9	428.3	3.70	1.67	2.89	YES	
L0034176	0	0.26690E-07	462188.4	3775689.9	428.4	3.70	1.67			

2.89 YES
L0034177 0 0.26690E-07 462184.8 3775689.9 428.5 3.70 1.67
2.89 YES
L0034178 0 0.26690E-07 462181.2 3775689.9 428.6 3.70 1.67
2.89 YES
L0034179 0 0.26690E-07 462177.6 3775689.9 428.6 3.70 1.67
2.89 YES
L0034180 0 0.26690E-07 462174.0 3775689.9 428.6 3.70 1.67
2.89 YES
L0034181 0 0.26690E-07 462170.4 3775689.9 428.6 3.70 1.67
2.89 YES
L0034182 0 0.26690E-07 462166.8 3775689.9 428.5 3.70 1.67
2.89 YES
L0034183 0 0.26690E-07 462163.2 3775689.9 428.5 3.70 1.67
2.89 YES
L0034184 0 0.26690E-07 462159.6 3775689.8 428.5 3.70 1.67
2.89 YES
L0034185 0 0.26690E-07 462156.0 3775689.8 428.5 3.70 1.67
2.89 YES
L0034186 0 0.26690E-07 462152.4 3775689.8 428.4 3.70 1.67
2.89 YES
L0034187 0 0.26690E-07 462148.8 3775689.8 428.5 3.70 1.67
2.89 YES
L0034188 0 0.26690E-07 462145.2 3775689.8 428.5 3.70 1.67
2.89 YES
L0034189 0 0.26690E-07 462141.6 3775689.8 428.5 3.70 1.67
2.89 YES
L0034190 0 0.26690E-07 462138.0 3775689.8 428.5 3.70 1.67
2.89 YES
L0034191 0 0.26690E-07 462134.4 3775689.8 428.5 3.70 1.67
2.89 YES
L0034192 0 0.26690E-07 462130.8 3775689.8 428.5 3.70 1.67
2.89 YES
L0034193 0 0.26690E-07 462127.2 3775689.8 428.5 3.70 1.67
2.89 YES
L0034194 0 0.26690E-07 462123.6 3775689.8 428.5 3.70 1.67
2.89 YES
L0034195 0 0.26690E-07 462120.0 3775689.7 428.5 3.70 1.67
2.89 YES
L0034196 0 0.26690E-07 462116.4 3775689.7 428.5 3.70 1.67
2.89 YES
L0034197 0 0.26690E-07 462112.8 3775689.7 428.5 3.70 1.67
2.89 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY
L0034198	0	0.26690E-07	462109.2	3775689.7	428.5	3.70	1.67	2.89	YES
L0034199	0	0.26690E-07	462105.6	3775689.7	428.5	3.70	1.67	2.89	YES
L0034200	0	0.26690E-07	462102.0	3775689.7	428.6	3.70	1.67	2.89	YES
L0034201	0	0.26690E-07	462098.4	3775689.7	428.6	3.70	1.67	2.89	YES
L0034202	0	0.26690E-07	462094.8	3775689.7	428.6	3.70	1.67	2.89	YES
L0034203	0	0.26690E-07	462091.2	3775689.7	428.6	3.70	1.67	2.89	YES
L0034204	0	0.26690E-07	462087.6	3775689.7	428.6	3.70	1.67	2.89	YES
L0034205	0	0.26690E-07	462084.0	3775689.7	428.6	3.70	1.67	2.89	YES
L0034206	0	0.26690E-07	462080.4	3775689.7	428.6	3.70	1.67	2.89	YES
L0034207	0	0.26690E-07	462076.8	3775689.6	428.6	3.70	1.67	2.89	YES
L0034208	0	0.26690E-07	462073.2	3775689.6	428.6	3.70	1.67	2.89	YES
L0034209	0	0.26690E-07	462069.6	3775689.6	428.6	3.70	1.67	2.89	YES
L0034210	0	0.26690E-07	462066.0	3775689.6	428.6	3.70	1.67	2.89	YES
L0034211	0	0.26690E-07	462062.4	3775689.6	428.7	3.70	1.67	2.89	YES
L0034212	0	0.26690E-07	462058.8	3775689.6	428.7	3.70	1.67	2.89	YES
L0034213	0	0.26690E-07	462055.2	3775689.6	428.7	3.70	1.67	2.89	YES
L0034214	0	0.26690E-07	462051.6	3775689.6	428.7	3.70	1.67		

2.89 YES							
L0034215	0	0.26690E-07	462048.0	3775689.6	428.7	3.70	1.67
2.89 YES							
L0034216	0	0.26690E-07	462044.4	3775689.6	428.7	3.70	1.67
2.89 YES							
L0034217	0	0.26690E-07	462040.8	3775689.6	428.7	3.70	1.67
2.89 YES							
L0034218	0	0.26690E-07	462037.2	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034219	0	0.26690E-07	462033.6	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034220	0	0.26690E-07	462030.0	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034221	0	0.26690E-07	462026.4	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034222	0	0.26690E-07	462022.8	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034223	0	0.26690E-07	462019.2	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034224	0	0.26690E-07	462015.6	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034225	0	0.26690E-07	462012.0	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034226	0	0.26690E-07	462008.4	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034227	0	0.26690E-07	462004.8	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034228	0	0.26690E-07	462001.2	3775689.5	428.7	3.70	1.67
2.89 YES							
L0034229	0	0.26690E-07	461997.6	3775689.4	428.8	3.70	1.67
2.89 YES							
L0034230	0	0.26690E-07	461994.0	3775689.4	428.8	3.70	1.67
2.89 YES							
L0034231	0	0.26690E-07	461990.4	3775689.4	428.9	3.70	1.67
2.89 YES							
L0034232	0	0.26690E-07	461986.8	3775689.3	428.9	3.70	1.67
2.89 YES							
L0034233	0	0.26690E-07	461983.2	3775689.3	429.0	3.70	1.67
2.89 YES							
L0034234	0	0.26690E-07	461979.6	3775689.3	429.1	3.70	1.67
2.89 YES							
L0034235	0	0.26690E-07	461976.0	3775689.2	429.1	3.70	1.67
2.89 YES							
L0034236	0	0.26690E-07	461972.4	3775689.2	429.2	3.70	1.67
2.89 YES							
L0034237	0	0.26690E-07	461968.8	3775689.2	429.2	3.70	1.67
2.89 YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE VARY BY
L0034238	0	0.26690E-07	461965.2	3775689.1	429.3	3.70	1.67	2.89	YES	
L0034239	0	0.26690E-07	461961.6	3775689.1	429.3	3.70	1.67	2.89	YES	
L0034240	0	0.26690E-07	461958.0	3775689.1	429.4	3.70	1.67	2.89	YES	
L0034241	0	0.26690E-07	461954.4	3775689.0	429.4	3.70	1.67	2.89	YES	
L0034242	0	0.26690E-07	461950.8	3775689.0	429.5	3.70	1.67	2.89	YES	
L0034243	0	0.26690E-07	461947.2	3775689.0	429.5	3.70	1.67	2.89	YES	
L0034244	0	0.26690E-07	461943.6	3775688.9	429.6	3.70	1.67	2.89	YES	
L0034245	0	0.26690E-07	461940.0	3775688.9	429.6	3.70	1.67	2.89	YES	
L0034246	0	0.26690E-07	461936.4	3775688.8	429.6	3.70	1.67	2.89	YES	
L0034247	0	0.26690E-07	461932.8	3775688.8	429.6	3.70	1.67	2.89	YES	
L0034248	0	0.26690E-07	461929.2	3775688.8	429.6	3.70	1.67	2.89	YES	
L0034249	0	0.26690E-07	461925.6	3775688.7	429.6	3.70	1.67	2.89	YES	
L0034250	0	0.26690E-07	461922.0	3775688.7	429.6	3.70	1.67	2.89	YES	
L0034251	0	0.26690E-07	461918.4	3775688.7	429.6	3.70	1.67	2.89	YES	
L0034252	0	0.26690E-07	461914.8	3775688.6	429.6	3.70	1.67			

2.89 YES							
L0034253	0	0.26690E-07	461911.2	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034254	0	0.26690E-07	461907.6	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034255	0	0.26690E-07	461904.0	3775688.5	429.6	3.70	1.67
2.89 YES							
L0034256	0	0.26690E-07	461900.4	3775688.5	429.6	3.70	1.67
2.89 YES							
L0034257	0	0.26690E-07	461896.8	3775688.5	429.6	3.70	1.67
2.89 YES							
L0034258	0	0.26690E-07	461893.2	3775688.4	429.6	3.70	1.67
2.89 YES							
L0034259	0	0.26690E-07	461889.6	3775688.4	429.6	3.70	1.67
2.89 YES							
L0034260	0	0.26690E-07	461886.0	3775688.4	429.7	3.70	1.67
2.89 YES							
L0034261	0	0.26690E-07	461882.4	3775688.5	429.7	3.70	1.67
2.89 YES							
L0034262	0	0.26690E-07	461878.8	3775688.5	429.7	3.70	1.67
2.89 YES							
L0034263	0	0.26690E-07	461875.2	3775688.5	429.7	3.70	1.67
2.89 YES							
L0034264	0	0.26690E-07	461871.6	3775688.5	429.7	3.70	1.67
2.89 YES							
L0034265	0	0.26690E-07	461868.0	3775688.5	429.7	3.70	1.67
2.89 YES							
L0034266	0	0.26690E-07	461864.4	3775688.5	429.7	3.70	1.67
2.89 YES							
L0034267	0	0.26690E-07	461860.8	3775688.6	429.7	3.70	1.67
2.89 YES							
L0034268	0	0.26690E-07	461857.2	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034269	0	0.26690E-07	461853.6	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034270	0	0.26690E-07	461850.0	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034271	0	0.26690E-07	461846.4	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034272	0	0.26690E-07	461842.8	3775688.6	429.6	3.70	1.67
2.89 YES							
L0034273	0	0.26690E-07	461839.2	3775688.7	429.5	3.70	1.67
2.89 YES							
L0034274	0	0.26690E-07	461835.6	3775688.7	429.5	3.70	1.67
2.89 YES							
L0034275	0	0.26690E-07	461832.0	3775688.7	429.5	3.70	1.67
2.89 YES							
L0034276	0	0.26690E-07	461828.4	3775688.7	429.4	3.70	1.67

2.89 YES
L0034277 0 0.26690E-07 461824.8 3775688.7 429.4 3.70 1.67
2.89 YES
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0034278	0	0.26690E-07	461821.2	3775688.7	429.3	3.70	1.67	2.89	YES	
L0034279	0	0.26690E-07	461817.6	3775688.8	429.3	3.70	1.67	2.89	YES	
L0034280	0	0.26690E-07	461814.0	3775688.8	429.3	3.70	1.67	2.89	YES	
L0034281	0	0.26690E-07	461810.4	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034282	0	0.26690E-07	461806.8	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034283	0	0.26690E-07	461803.2	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034284	0	0.26690E-07	461799.6	3775688.8	429.4	3.70	1.67	2.89	YES	
L0034285	0	0.26690E-07	461796.0	3775688.9	429.4	3.70	1.67	2.89	YES	
L0034286	0	0.26690E-07	461792.4	3775688.9	429.4	3.70	1.67	2.89	YES	
L0034287	0	0.26690E-07	461788.8	3775688.9	429.4	3.70	1.67	2.89	YES	
L0034288	0	0.26690E-07	461785.2	3775688.9	429.4	3.70	1.67	2.89	YES	
L0034289	0	0.26690E-07	461781.6	3775688.9	429.5	3.70	1.67	2.89	YES	
L0034290	0	0.26690E-07	461778.0	3775688.9	429.5	3.70	1.67			

2.89 YES							
L0034291	0	0.26690E-07	461774.4	3775689.0	429.5	3.70	1.67
2.89 YES							
L0034292	0	0.26690E-07	461770.8	3775689.0	429.5	3.70	1.67
2.89 YES							
L0034293	0	0.26690E-07	461767.2	3775689.0	429.5	3.70	1.67
2.89 YES							
L0034294	0	0.26690E-07	461763.6	3775689.0	429.5	3.70	1.67
2.89 YES							
L0034295	0	0.26690E-07	461760.0	3775689.0	429.5	3.70	1.67
2.89 YES							
L0034296	0	0.26690E-07	461756.4	3775689.1	429.5	3.70	1.67
2.89 YES							
L0034297	0	0.26690E-07	461752.8	3775689.1	429.5	3.70	1.67
2.89 YES							
L0034298	0	0.26690E-07	461749.2	3775689.1	429.5	3.70	1.67
2.89 YES							
L0034299	0	0.26690E-07	461745.6	3775689.1	429.5	3.70	1.67
2.89 YES							
L0034300	0	0.26690E-07	461742.0	3775689.1	429.5	3.70	1.67
2.89 YES							
L0034301	0	0.26690E-07	461738.4	3775689.1	429.5	3.70	1.67
2.89 YES							
L0034302	0	0.26690E-07	461734.8	3775689.2	429.5	3.70	1.67
2.89 YES							
L0034303	0	0.26690E-07	461731.2	3775689.2	429.5	3.70	1.67
2.89 YES							
L0034304	0	0.26690E-07	461727.6	3775689.2	429.5	3.70	1.67
2.89 YES							
L0034305	0	0.26690E-07	461724.0	3775689.2	429.5	3.70	1.67
2.89 YES							
L0034306	0	0.26690E-07	461720.4	3775689.2	429.5	3.70	1.67
2.89 YES							
L0034307	0	0.26690E-07	461716.8	3775689.2	429.5	3.70	1.67
2.89 YES							
L0034308	0	0.26690E-07	461713.2	3775689.3	429.5	3.70	1.67
2.89 YES							
L0034309	0	0.26690E-07	461709.6	3775689.3	429.5	3.70	1.67
2.89 YES							
L0034310	0	0.26690E-07	461706.0	3775689.3	429.5	3.70	1.67
2.89 YES							
L0034311	0	0.26690E-07	461702.4	3775689.3	429.6	3.70	1.67
2.89 YES							
L0034312	0	0.26690E-07	461698.8	3775689.3	429.6	3.70	1.67
2.89 YES							
L0034313	0	0.26690E-07	461695.2	3775689.3	429.6	3.70	1.67
2.89 YES							
L0034314	0	0.26690E-07	461691.6	3775689.4	429.6	3.70	1.67

```
2.89     YES
 L0034315         0   0.26690E-07  461688.0 3775689.4   429.6     3.70     1.67
2.89     YES
 L0034316         0   0.26690E-07  461684.4 3775689.4   429.7     3.70     1.67
2.89     YES
 L0034317         0   0.26690E-07  461680.8 3775689.4   429.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:24:12

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0034318         0   0.26690E-07  461677.2 3775689.4   429.7     3.70     1.67
2.89     YES
 L0034319         0   0.26690E-07  461673.6 3775689.4   429.8     3.70     1.67
2.89     YES
 L0034320         0   0.26690E-07  461670.0 3775689.5   429.8     3.70     1.67
2.89     YES
 L0034321         0   0.26690E-07  461666.4 3775689.5   429.8     3.70     1.67
2.89     YES
 L0034322         0   0.26690E-07  461662.8 3775689.5   429.8     3.70     1.67
2.89     YES
 L0034323         0   0.26690E-07  461659.2 3775689.5   429.8     3.70     1.67
2.89     YES
 L0034324         0   0.26690E-07  461655.6 3775689.5   429.9     3.70     1.67
2.89     YES
 L0034325         0   0.26690E-07  461652.0 3775689.5   429.9     3.70     1.67
2.89     YES
 L0034326         0   0.26690E-07  461648.4 3775689.6   429.9     3.70     1.67
2.89     YES
 L0034327         0   0.26690E-07  461644.8 3775689.6   429.9     3.70     1.67
2.89     YES
 L0034328         0   0.26690E-07  461641.2 3775689.6   429.9     3.70     1.67
```

2.89 YES							
L0034329	0	0.26690E-07	461637.6	3775689.6	429.9	3.70	1.67
2.89 YES							
L0034330	0	0.26690E-07	461634.0	3775689.6	429.9	3.70	1.67
2.89 YES							
L0034331	0	0.26690E-07	461630.4	3775689.6	429.9	3.70	1.67
2.89 YES							
L0034332	0	0.26690E-07	461626.8	3775689.7	429.9	3.70	1.67
2.89 YES							
L0034333	0	0.26690E-07	461623.2	3775689.7	429.9	3.70	1.67
2.89 YES							
L0034334	0	0.26690E-07	461619.6	3775689.7	429.9	3.70	1.67
2.89 YES							
L0034335	0	0.26690E-07	461616.0	3775689.7	430.0	3.70	1.67
2.89 YES							
L0034336	0	0.26690E-07	461612.4	3775689.7	429.9	3.70	1.67
2.89 YES							
L0034337	0	0.26690E-07	461608.8	3775689.8	429.9	3.70	1.67
2.89 YES							
L0034338	0	0.26690E-07	461605.2	3775689.8	429.9	3.70	1.67
2.89 YES							
L0034339	0	0.26690E-07	461601.6	3775689.8	429.9	3.70	1.67
2.89 YES							
L0034340	0	0.26690E-07	461598.0	3775689.8	429.9	3.70	1.67
2.89 YES							
L0034341	0	0.26690E-07	461594.4	3775689.8	429.9	3.70	1.67
2.89 YES							
L0034342	0	0.26690E-07	461590.8	3775689.8	429.9	3.70	1.67
2.89 YES							
L0034343	0	0.26690E-07	461587.2	3775689.9	429.9	3.70	1.67
2.89 YES							
L0034344	0	0.26690E-07	461583.6	3775689.9	429.9	3.70	1.67
2.89 YES							
L0034345	0	0.26690E-07	461580.0	3775689.9	429.9	3.70	1.67
2.89 YES							
L0034346	0	0.26690E-07	461576.4	3775689.9	429.9	3.70	1.67
2.89 YES							
L0034347	0	0.26690E-07	461572.8	3775689.9	429.9	3.70	1.67
2.89 YES							
L0034348	0	0.26690E-07	461569.2	3775689.9	429.9	3.70	1.67
2.89 YES							
L0034349	0	0.26690E-07	461565.6	3775690.0	429.9	3.70	1.67
2.89 YES							
L0034350	0	0.26690E-07	461562.0	3775690.0	429.9	3.70	1.67
2.89 YES							
L0034351	0	0.26690E-07	461558.4	3775690.0	429.9	3.70	1.67
2.89 YES							
L0034352	0	0.26690E-07	461554.8	3775690.0	429.9	3.70	1.67

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2.89     YES
 L0034353         0   0.26690E-07  461551.2 3775690.0   429.9     3.70     1.67
2.89     YES
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2.89     YES
 L0034355         0   0.26690E-07  461544.0 3775690.1   429.9     3.70     1.67
2.89     YES
 L0034356         0   0.26690E-07  461540.4 3775690.1   429.9     3.70     1.67
2.89     YES
 L0034357         0   0.26690E-07  461536.8 3775690.1   429.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:24:12

                                   PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0034358         0   0.26690E-07  461533.2 3775690.1   429.9     3.70     1.67
2.89     YES
 L0034359         0   0.26690E-07  461529.6 3775690.1   429.9     3.70     1.67
2.89     YES
 L0034360         0   0.26690E-07  461526.0 3775690.1   429.9     3.70     1.67
2.89     YES
 L0034361         0   0.26690E-07  461522.4 3775690.2   429.9     3.70     1.67
2.89     YES
 L0034362         0   0.26690E-07  461518.8 3775690.2   429.9     3.70     1.67
2.89     YES
 L0034363         0   0.26690E-07  461515.2 3775690.2   430.0     3.70     1.67
2.89     YES
 L0034364         0   0.26690E-07  461511.6 3775690.2   430.0     3.70     1.67
2.89     YES
 L0034365         0   0.26690E-07  461508.0 3775690.2   430.0     3.70     1.67
2.89     YES
 L0034366         0   0.26690E-07  461504.4 3775690.2   430.0     3.70     1.67
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2.89     YES
 L0034367         0   0.26690E-07  461500.8 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034368         0   0.26690E-07  461497.2 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034369         0   0.26690E-07  461493.6 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034370         0   0.26690E-07  461490.0 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034371         0   0.26690E-07  461486.5 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034372         0   0.26690E-07  461482.8 3775690.3   430.0     3.70     1.67
2.89     YES
 L0034373         0   0.26690E-07  461479.2 3775690.4   430.0     3.70     1.67
2.89     YES
 L0034374         0   0.26690E-07  461475.6 3775690.4   430.0     3.70     1.67
2.89     YES
 L0034375         0   0.26690E-07  461472.0 3775690.4   430.0     3.70     1.67
2.89     YES
 L0034376         0   0.26690E-07  461468.5 3775690.4   430.1     3.70     1.67
2.89     YES
 L0034377         0   0.26690E-07  461464.8 3775690.4   430.1     3.70     1.67
2.89     YES
 L0034378         0   0.26690E-07  461461.2 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034379         0   0.26690E-07  461457.6 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034380         0   0.26690E-07  461454.0 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034381         0   0.26690E-07  461450.5 3775690.5   430.1     3.70     1.67
2.89     YES
 L0034382         0   0.26690E-07  461446.8 3775690.5   430.2     3.70     1.67
2.89     YES
 L0034383         0   0.26690E-07  461443.2 3775690.5   430.2     3.70     1.67
2.89     YES
 L0034384         0   0.26690E-07  461439.6 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034385         0   0.26690E-07  461436.0 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034386         0   0.26690E-07  461432.5 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034387         0   0.26690E-07  461428.8 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034388         0   0.26690E-07  461425.2 3775690.6   430.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                             ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0034546    , L0034547    , L0034548    ,
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID   SOURCE IDs
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L0034586 , L0034587 , L0034588 ,

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L0034594 , L0034595 , L0034596 ,

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*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 86
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS
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SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                            ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        15:24:12

                                    PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS
***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                            ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                     PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** SOURCE IDs DEFINING SOURCE GROUPS
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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↟ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***        15:24:12

                                    PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** SOURCE IDs DEFINING SOURCE GROUPS
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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 SRCGROUP ID                                          SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                    PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                          SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                              ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                             ***        15:24:12

                                       PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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 SRCGROUP ID                                          SOURCE IDs
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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                            ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12

                                    PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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 SRCGROUP ID                                              SOURCE IDs
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*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 102
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS
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SRCGROUP ID	SOURCE IDs

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS
***

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 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                          SOURCE IDs
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*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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		L0034397 , L0034398 , L0034399 , L0034400 , L0034401 , L0034402 , L0034403 , L0034404 ,
		L0034405 , L0034406 , L0034407 , L0034408 , L0034409 , L0034410 , L0034411 , L0034412 ,
		L0034413 , L0034414 , L0034415 , L0034416 , L0034417 , L0034418 , L0034419 , L0034420 ,
		L0034421 , L0034422 , L0034423 , L0034424 , L0034425 , L0034426 , L0034427 , L0034428 ,
		L0034429 , L0034430 , L0034431 , L0034432 , L0034433 , L0034434 , L0034435 , L0034436 ,
		L0034437 , L0034438 , L0034439 , L0034440 , L0034441 , L0034442 , L0034443 , L0034444 ,
		L0034445 , L0034446 , L0034447 , L0034448 , L0034449 , L0034450 , L0034451 , L0034452 ,
		L0034453 , L0034454 , L0034455 , L0034456 , L0034457 , L0034458 , L0034459 , L0034460 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

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*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 108
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs
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		L0031614 , L0031615 , L0031616 , L0031617 , L0031618 , L0031619 , L0031620 , L0031621 ,
		L0031622 , L0031623 , L0031624 , L0031625 , L0031626 , L0031627 , L0031628 , L0031629 ,
		L0031630 , L0031631 , L0031632 , L0031633 , L0031634 , L0031635 , L0031636 , L0031637 ,
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*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 109
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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		L0031934 , L0031935 , L0031936 , L0031937 , L0031938 , L0031939 , L0031940 , L0031941 ,
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L0032035 , L0032036 , L0032037 ,

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L0032043 , L0032044 , L0032045 ,

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L0032075 , L0032076 , L0032077 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0032078 , L0032079 , L0032080 , L0032081 , L0032082 ,
L0032083 , L0032084 , L0032085 ,

L0032086 , L0032087 , L0032088 , L0032089 , L0032090 ,
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L0032107 , L0032108 , L0032109 ,

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L0032179 , L0032180 , L0032181 ,

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L0032214 , L0032215 , L0032216 , L0032217 , L0032218 ,
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L0032235 , L0032236 , L0032237 ,
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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		L0032262 , L0032263 , L0032264 , L0032265 , L0032266 , L0032267 , L0032268 , L0032269 ,
		L0032270 , L0032271 , L0032272 , L0032273 , L0032274 , L0032275 , L0032276 , L0032277 ,
		L0032278 , L0032279 , L0032280 , L0032281 , L0032282 , L0032283 , L0032284 , L0032285 ,
		L0032286 , L0032287 , L0032288 , L0032289 , L0032290 , L0032291 , L0032292 , L0032293 ,
		L0032294 , L0032295 , L0032296 , L0032297 , L0032298 , L0032299 , L0032300 , L0032301 ,
		L0032302 , L0032303 , L0032304 , L0032305 , L0032306 , L0032307 , L0032308 , L0032309 ,
		L0032310 , L0032311 , L0032312 , L0032313 , L0032314 , L0032315 , L0032316 , L0032317 ,
		L0032318 , L0032319 , L0032320 , L0032321 , L0032322 ,

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L0032331 , L0032332 , L0032333 ,

L0032334 , L0032335 , L0032336 , L0032337 , L0032338 ,
L0032339 , L0032340 , L0032341 ,

L0032342 , L0032343 , L0032344 , L0032345 , L0032346 ,
L0032347 , L0032348 , L0032349 ,

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L0032355 , L0032356 , L0032357 ,

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L0032363 , L0032364 , L0032365 ,

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L0032387 , L0032388 , L0032389 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0032398 , L0032399 , L0032400 , L0032401 , L0032402 ,
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L0032547 , L0032548 , L0032549 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

L0032558 , L0032559 , L0032560 , L0032561 , L0032562 ,
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L0032595 , L0032596 , L0032597 ,

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L0032603 , L0032604 , L0032605 ,

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L0032611 , L0032612 , L0032613 ,

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L0032619 , L0032620 , L0032621 ,

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L0032627 , L0032628 , L0032629 ,

L0032630 , L0032631 , L0032632 , L0032633 , L0032634 ,
L0032635 , L0032636 , L0032637 ,

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L0032643 , L0032644 , L0032645 ,

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L0032707 , L0032708 , L0032709 ,

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L0032715 , L0032716 , L0032717 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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L0032723    , L0032724    , L0032725    ,

             L0032726    , L0032727    , L0032728    , L0032729    , L0032730    ,
L0032731    , L0032732    , L0032733    ,

             L0032734    , L0032735    , L0032736    , L0032737    , L0032738    ,
L0032739    , L0032740    , L0032741    ,

             L0032742    , L0032743    , L0032744    , L0032745    , L0032746    ,
L0032747    , L0032748    , L0032749    ,

             L0032750    , L0032751    , L0032752    , L0032753    , L0032754    ,
L0032755    , L0032756    , L0032757    ,

             L0032758    , L0032759    , L0032760    , L0032761    , L0032762    ,
L0032763    , L0032764    , L0032765    ,

             L0032766    , L0032767    , L0032768    , L0032769    , L0032770    ,
L0032771    , L0032772    , L0032773    ,

             L0032774    , L0032775    , L0032776    , L0032777    , L0032778    ,
L0032779    , L0032780    , L0032781    ,

             L0032782    , L0032783    , L0032784    , L0032785    , L0032786    ,
L0032787    , L0032788    , L0032789    ,

             L0032790    , L0032791    , L0032792    , L0032793    , L0032794    ,
L0032795    , L0032796    , L0032797    ,

             L0032798    , L0032799    , L0032800    , L0032801    , L0032802    ,
L0032803    , L0032804    , L0032805    ,

             L0032806    , L0032807    , L0032808    , L0032809    , L0032810    ,
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             L0032814    , L0032815    , L0032816    , L0032817    , L0032818    ,
L0032819    , L0032820    , L0032821    ,

             L0032822    , L0032823    , L0032824    , L0032825    , L0032826    ,
L0032827    , L0032828    , L0032829    ,

             L0032830    , L0032831    , L0032832    , L0032833    , L0032834    ,
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             L0032838    , L0032839    , L0032840    , L0032841    , L0032842    ,
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L0032867 , L0032868 , L0032869 ,

L0032870 , L0032871 , L0032872 , L0032873 , L0032874 ,
L0032875 , L0032876 , L0032877 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0032878 , L0032879 , L0032880 , L0032881 , L0032882 ,
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L0032886 , L0032887 , L0032888 , L0032889 , L0032890 ,
L0032891 , L0032892 , L0032893 ,

L0032894 , L0032895 , L0032896 , L0032897 , L0032898 ,
L0032899 , L0032900 , L0032901 ,

L0032902 , L0032903 , L0032904 , L0032905 , L0032906 ,
L0032907 , L0032908 , L0032909 ,

L0032910 , L0032911 , L0032912 , L0032913 , L0032914 ,
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L0032918 , L0032919 , L0032920 , L0032921 , L0032922 ,
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             L0032934    , L0032935    , L0032936    , L0032937    , L0032938    ,
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             L0032942    , L0032943    , L0032944    , L0032945    , L0032946    ,
L0032947    , L0032948    , L0032949    ,

             L0032950    , L0032951    , L0032952    , L0032953    , L0032954    ,
L0032955    , L0032956    , L0032957    ,

             L0032958    , L0032959    , L0032960    , L0032961    , L0032962    ,
L0032963    , L0032964    , L0032965    ,

             L0032966    , L0032967    , L0032968    , L0032969    , L0032970    ,
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             L0032974    , L0032975    , L0032976    , L0032977    , L0032978    ,
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             L0032982    , L0032983    , L0032984    , L0032985    , L0032986    ,
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L0033027    , L0033028    , L0033029    ,

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L0033035    , L0033036    , L0033037    ,
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                     PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0033038 , L0033039 , L0033040 , L0033041 , L0033042 , L0033043 , L0033044 , L0033045 ,
		L0033046 , L0033047 , L0033048 , L0033049 , L0033050 , L0033051 , L0033052 , L0033053 ,
		L0033054 , L0033055 , L0033056 , L0033057 , L0033058 , L0033059 , L0033060 , L0033061 ,
		L0033062 , L0033063 , L0033064 , L0033065 , L0033066 , L0033067 , L0033068 , L0033069 ,
		L0033070 , L0033071 , L0033072 , L0033073 , L0033074 , L0033075 , L0033076 , L0033077 ,
		L0033078 , L0033079 , L0033080 , L0033081 , L0033082 , L0033083 , L0033084 , L0033085 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

L0033198 , L0033199 , L0033200 , L0033201 , L0033202 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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L0033478 , L0033479 , L0033480 , L0033481 , L0033482 ,
L0033483 , L0033484 , L0033485 ,

L0033486 , L0033487 , L0033488 , L0033489 , L0033490 ,
L0033491 , L0033492 , L0033493 ,

L0033494 , L0033495 , L0033496 , L0033497 , L0033498 ,
L0033499 , L0033500 , L0033501 ,

L0033502 , L0033503 , L0033504 , L0033505 , L0033506 ,
L0033507 , L0033508 , L0033509 ,

L0033510 , L0033511 , L0033512 , L0033513 , L0033514 ,
L0033515 , L0033516 , L0033517 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0033518 , L0033519 , L0033520 , L0033521 , L0033522 ,
L0033523 , L0033524 , L0033525 ,

L0033526 , L0033527 , L0033528 , L0033529 , L0033530 ,
L0033531 , L0033532 , L0033533 ,

L0033534 , L0033535 , L0033536 , L0033537 , L0033538 ,

L0033539 , L0033540 , L0033541 ,

L0033542 , L0033543 , L0033544 , L0033545 , L0033546 ,
L0033547 , L0033548 , L0033549 ,

L0033550 , L0033551 , L0033552 , L0033553 , L0033554 ,
L0033555 , L0033556 , L0033557 ,

L0033558 , L0033559 , L0033560 , L0033561 , L0033562 ,
L0033563 , L0033564 , L0033565 ,

L0033566 , L0033567 , L0033568 , L0033569 , L0033570 ,
L0033571 , L0033572 , L0033573 ,

L0033574 , L0033575 , L0033576 , L0033577 , L0033578 ,
L0033579 , L0033580 , L0033581 ,

L0033582 , L0033583 , L0033584 , L0033585 , L0033586 ,
L0033587 , L0033588 , L0033589 ,

L0033590 , L0033591 , L0033592 , L0033593 , L0033594 ,
L0033595 , L0033596 , L0033597 ,

L0033598 , L0033599 , L0033600 , L0033601 , L0033602 ,
L0033603 , L0033604 , L0033605 ,

L0033606 , L0033607 , L0033608 , L0033609 , L0033610 ,
L0033611 , L0033612 , L0033613 ,

L0033614 , L0033615 , L0033616 , L0033617 , L0033618 ,
L0033619 , L0033620 , L0033621 ,

L0033622 , L0033623 , L0033624 , L0033625 , L0033626 ,
L0033627 , L0033628 , L0033629 ,

L0033630 , L0033631 , L0033632 , L0033633 , L0033634 ,
L0033635 , L0033636 , L0033637 ,

L0033638 , L0033639 , L0033640 , L0033641 , L0033642 ,
L0033643 , L0033644 , L0033645 ,

L0033646 , L0033647 , L0033648 , L0033649 , L0033650 ,
L0033651 , L0033652 , L0033653 ,

L0033654 , L0033655 , L0033656 , L0033657 , L0033658 ,
L0033659 , L0033660 , L0033661 ,

L0033662 , L0033663 , L0033664 , L0033665 , L0033666 ,

L0033667 , L0033668 , L0033669 ,

L0033670 , L0033671 , L0033672 , L0033673 , L0033674 ,
L0033675 , L0033676 , L0033677 ,
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0033678 , L0033679 , L0033680 , L0033681 , L0033682 ,
L0033683 , L0033684 , L0033685 ,

L0033686 , L0033687 , L0033688 , L0033689 , L0033690 ,
L0033691 , L0033692 , L0033693 ,

L0033694 , L0033695 , L0033696 , L0033697 , L0033698 ,
L0033699 , L0033700 , L0033701 ,

L0033702 , L0033703 , L0033704 , L0033705 , L0033706 ,
L0033707 , L0033708 , L0033709 ,

L0033710 , L0033711 , L0033712 , L0033713 , L0033714 ,
L0033715 , L0033716 , L0033717 ,

L0033718 , L0033719 , L0033720 , L0033721 , L0033722 ,
L0033723 , L0033724 , L0033725 ,

L0033726 , L0033727 , L0033728 , L0033729 , L0033730 ,
L0033731 , L0033732 , L0033733 ,

L0033734 , L0033735 , L0033736 , L0033737 , L0033738 ,
L0033739 , L0033740 , L0033741 ,

L0033742 , L0033743 , L0033744 , L0033745 , L0033746 ,
L0033747 , L0033748 , L0033749 ,

L0033750 , L0033751 , L0033752 , L0033753 , L0033754 ,

L0033755 , L0033756 , L0033757 ,

L0033758 , L0033759 , L0033760 , L0033761 , L0033762 ,
L0033763 , L0033764 , L0033765 ,

L0033766 , L0033767 , L0033768 , L0033769 , L0033770 ,
L0033771 , L0033772 , L0033773 ,

L0033774 , L0033775 , L0033776 , L0033777 , L0033778 ,
L0033779 , L0033780 , L0033781 ,

L0033782 , L0033783 , L0033784 , L0033785 , L0033786 ,
L0033787 , L0033788 , L0033789 ,

L0033790 , L0033791 , L0033792 , L0033793 , L0033794 ,
L0033795 , L0033796 , L0033797 ,

L0033798 , L0033799 , L0033800 , L0033801 , L0033802 ,
L0033803 , L0033804 , L0033805 ,

L0033806 , L0033807 , L0033808 , L0033809 , L0033810 ,
L0033811 , L0033812 , L0033813 ,

L0033814 , L0033815 , L0033816 , L0033817 , L0033818 ,
L0033819 , L0033820 , L0033821 ,

L0033822 , L0033823 , L0033824 , L0033825 , L0033826 ,
L0033827 , L0033828 , L0033829 ,

L0033830 , L0033831 , L0033832 , L0033833 , L0033834 ,
L0033835 , L0033836 , L0033837 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0033838 , L0033839 , L0033840 , L0033841 , L0033842 ,

L0033843 , L0033844 , L0033845 ,

L0033846 , L0033847 , L0033848 , L0033849 , L0033850 ,
L0033851 , L0033852 , L0033853 ,

L0033854 , L0033855 , L0033856 , L0033857 , L0033858 ,
L0033859 , L0033860 , L0033861 ,

L0033862 , L0033863 , L0033864 , L0033865 , L0033866 ,
L0033867 , L0033868 , L0033869 ,

L0033870 , L0033871 , L0033872 , L0033873 , L0033874 ,
L0033875 , L0033876 , L0033877 ,

L0033878 , L0033879 , L0033880 , L0033881 , L0033882 ,
L0033883 , L0033884 , L0033885 ,

L0033886 , L0033887 , L0033888 , L0033889 , L0033890 ,
L0033891 , L0033892 , L0033893 ,

L0033894 , L0033895 , L0033896 , L0033897 , L0033898 ,
L0033899 , L0033900 , L0033901 ,

L0033902 , L0033903 , L0033904 , L0033905 , L0033906 ,
L0033907 , L0033908 , L0033909 ,

L0033910 , L0033911 , L0033912 , L0033913 , L0033914 ,
L0033915 , L0033916 , L0033917 ,

L0033918 , L0033919 , L0033920 , L0033921 , L0033922 ,
L0033923 , L0033924 , L0033925 ,

L0033926 , L0033927 , L0033928 , L0033929 , L0033930 ,
L0033931 , L0033932 , L0033933 ,

L0033934 , L0033935 , L0033936 , L0033937 , L0033938 ,
L0033939 , L0033940 , L0033941 ,

L0033942 , L0033943 , L0033944 , L0033945 , L0033946 ,
L0033947 , L0033948 , L0033949 ,

L0033950 , L0033951 , L0033952 , L0033953 , L0033954 ,
L0033955 , L0033956 , L0033957 ,

L0033958 , L0033959 , L0033960 , L0033961 , L0033962 ,
L0033963 , L0033964 , L0033965 ,

L0033966 , L0033967 , L0033968 , L0033969 , L0033970 ,

L0033971 , L0033972 , L0033973 ,

L0033974 , L0033975 , L0033976 , L0033977 , L0033978 ,
L0033979 , L0033980 , L0033981 ,

L0033982 , L0033983 , L0033984 , L0033985 , L0033986 ,
L0033987 , L0033988 , L0033989 ,

L0033990 , L0033991 , L0033992 , L0033993 , L0033994 ,
L0033995 , L0033996 , L0033997 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0033998 , L0033999 , L0034000 , L0034001 , L0034002 ,
L0034003 , L0034004 , L0034005 ,

L0034006 , L0034007 , L0034008 , L0034009 , L0034010 ,
L0034011 , L0034012 , L0034013 ,

L0034014 , L0034015 , L0034016 , L0034017 , L0034018 ,
L0034019 , L0034020 , L0034021 ,

L0034022 , L0034023 , L0034024 , L0034025 , L0034026 ,
L0034027 , L0034028 , L0034029 ,

L0034030 , L0034031 , L0034032 , L0034033 , L0034034 ,
L0034035 , L0034036 , L0034037 ,

L0034038 , L0034039 , L0034040 , L0034041 , L0034042 ,
L0034043 , L0034044 , L0034045 ,

L0034046 , L0034047 , L0034048 , L0034049 , L0034050 ,
L0034051 , L0034052 , L0034053 ,

L0034054 , L0034055 , L0034056 , L0034057 , L0034058 ,

L0034059 , L0034060 , L0034061 ,

L0034062 , L0034063 , L0034064 , L0034065 , L0034066 ,
L0034067 , L0034068 , L0034069 ,

L0034070 , L0034071 , L0034072 , L0034073 , L0034074 ,
L0034075 , L0034076 , L0034077 ,

L0034078 , L0034079 , L0034080 , L0034081 , L0034082 ,
L0034083 , L0034084 , L0034085 ,

L0034086 , L0034087 , L0034088 , L0034089 , L0034090 ,
L0034091 , L0034092 , L0034093 ,

L0034094 , L0034095 , L0034096 , L0034097 , L0034098 ,
L0034099 , L0034100 , L0034101 ,

L0034102 , L0034103 , L0034104 , L0034105 , L0034106 ,
L0034107 , L0034108 , L0034109 ,

L0034110 , L0034111 , L0034112 , L0034113 , L0034114 ,
L0034115 , L0034116 , L0034117 ,

L0034118 , L0034119 , L0034120 , L0034121 , L0034122 ,
L0034123 , L0034124 , L0034125 ,

L0034126 , L0034127 , L0034128 , L0034129 , L0034130 ,
L0034131 , L0034132 , L0034133 ,

L0034134 , L0034135 , L0034136 , L0034137 , L0034138 ,
L0034139 , L0034140 , L0034141 ,

L0034142 , L0034143 , L0034144 , L0034145 , L0034146 ,
L0034147 , L0034148 , L0034149 ,

L0034150 , L0034151 , L0034152 , L0034153 , L0034154 ,
L0034155 , L0034156 , L0034157 ,
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs
		L0034158 , L0034159 , L0034160 , L0034161 , L0034162 , L0034163 , L0034164 , L0034165 ,
		L0034166 , L0034167 , L0034168 , L0034169 , L0034170 , L0034171 , L0034172 , L0034173 ,
		L0034174 , L0034175 , L0034176 , L0034177 , L0034178 , L0034179 , L0034180 , L0034181 ,
		L0034182 , L0034183 , L0034184 , L0034185 , L0034186 , L0034187 , L0034188 , L0034189 ,
		L0034190 , L0034191 , L0034192 , L0034193 , L0034194 , L0034195 , L0034196 , L0034197 ,
		L0034198 , L0034199 , L0034200 , L0034201 , L0034202 , L0034203 , L0034204 , L0034205 ,
		L0034206 , L0034207 , L0034208 , L0034209 , L0034210 , L0034211 , L0034212 , L0034213 ,
		L0034214 , L0034215 , L0034216 , L0034217 , L0034218 , L0034219 , L0034220 , L0034221 ,
		L0034222 , L0034223 , L0034224 , L0034225 , L0034226 , L0034227 , L0034228 , L0034229 ,
		L0034230 , L0034231 , L0034232 , L0034233 , L0034234 , L0034235 , L0034236 , L0034237 ,
		L0034238 , L0034239 , L0034240 , L0034241 , L0034242 , L0034243 , L0034244 , L0034245 ,
		L0034246 , L0034247 , L0034248 , L0034249 , L0034250 , L0034251 , L0034252 , L0034253 ,
		L0034254 , L0034255 , L0034256 , L0034257 , L0034258 , L0034259 , L0034260 , L0034261 ,
		L0034262 , L0034263 , L0034264 , L0034265 , L0034266 , L0034267 , L0034268 , L0034269 ,
		L0034270 , L0034271 , L0034272 , L0034273 , L0034274 ,

L0034275 , L0034276 , L0034277 ,

L0034278 , L0034279 , L0034280 , L0034281 , L0034282 ,
L0034283 , L0034284 , L0034285 ,

L0034286 , L0034287 , L0034288 , L0034289 , L0034290 ,
L0034291 , L0034292 , L0034293 ,

L0034294 , L0034295 , L0034296 , L0034297 , L0034298 ,
L0034299 , L0034300 , L0034301 ,

L0034302 , L0034303 , L0034304 , L0034305 , L0034306 ,
L0034307 , L0034308 , L0034309 ,

L0034310 , L0034311 , L0034312 , L0034313 , L0034314 ,
L0034315 , L0034316 , L0034317 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0034318 , L0034319 , L0034320 , L0034321 , L0034322 ,
L0034323 , L0034324 , L0034325 ,

L0034326 , L0034327 , L0034328 , L0034329 , L0034330 ,
L0034331 , L0034332 , L0034333 ,

L0034334 , L0034335 , L0034336 , L0034337 , L0034338 ,
L0034339 , L0034340 , L0034341 ,

L0034342 , L0034343 , L0034344 , L0034345 , L0034346 ,
L0034347 , L0034348 , L0034349 ,

L0034350 , L0034351 , L0034352 , L0034353 , L0034354 ,
L0034355 , L0034356 , L0034357 ,

L0034358 , L0034359 , L0034360 , L0034361 , L0034362 ,

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (463437.1, 3775314.9,   415.0,   415.0,   0.0);   (463487.1,
3775314.9,   415.0,   415.0,   0.0);
     (463537.1, 3775314.9,   413.9,   413.9,   0.0);   (463587.1,
3775314.9,   414.1,   414.1,   0.0);
     (463637.1, 3775314.9,   413.4,   413.4,   0.0);   (463687.1,
3775314.9,   413.7,   413.7,   0.0);
     (463737.1, 3775314.9,   413.0,   413.0,   0.0);   (463787.1,
3775314.9,   412.5,   412.5,   0.0);
     (463837.1, 3775314.9,   412.7,   412.7,   0.0);   (463887.1,
3775314.9,   412.3,   412.3,   0.0);
     (463937.1, 3775314.9,   412.1,   412.1,   0.0);   (463987.1,
3775314.9,   411.5,   411.5,   0.0);
     (464037.1, 3775314.9,   411.6,   411.6,   0.0);   (464087.1,
3775314.9,   411.7,   411.7,   0.0);
     (464137.1, 3775314.9,   411.9,   411.9,   0.0);   (464187.1,
3775314.9,   411.1,   411.1,   0.0);
     (464237.1, 3775314.9,   410.6,   410.6,   0.0);   (464287.1,
3775314.9,   409.8,   409.8,   0.0);
     (464337.1, 3775314.9,   409.1,   409.1,   0.0);   (463437.1,
3775364.9,   416.1,   416.1,   0.0);
     (463487.1, 3775364.9,   415.8,   415.8,   0.0);   (463537.1,
3775364.9,   414.7,   414.7,   0.0);
     (463587.1, 3775364.9,   414.8,   414.8,   0.0);   (463637.1,
3775364.9,   414.1,   414.1,   0.0);
     (463687.1, 3775364.9,   414.3,   414.3,   0.0);   (463737.1,
3775364.9,   413.8,   413.8,   0.0);

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     ( 463787.1, 3775364.9,     413.2,     413.2,       0.0);         ( 463837.1,
3775364.9,     413.3,     413.3,       0.0);
     ( 463887.1, 3775364.9,     412.8,     412.8,       0.0);         ( 463937.1,
3775364.9,     412.6,     412.6,       0.0);
     ( 463987.1, 3775364.9,     412.2,     412.2,       0.0);         ( 464037.1,
3775364.9,     412.4,     412.4,       0.0);
     ( 464087.1, 3775364.9,     412.5,     412.5,       0.0);         ( 464137.1,
3775364.9,     411.8,     411.8,       0.0);
     ( 464187.1, 3775364.9,     411.6,     411.6,       0.0);         ( 464237.1,
3775364.9,     411.4,     411.4,       0.0);
     ( 464287.1, 3775364.9,     410.0,     410.0,       0.0);         ( 464337.1,
3775364.9,     409.7,     409.7,       0.0);
     ( 463437.1, 3775414.9,     416.5,     416.5,       0.0);         ( 463487.1,
3775414.9,     415.8,     415.8,       0.0);
     ( 463537.1, 3775414.9,     415.7,     415.7,       0.0);         ( 463587.1,
3775414.9,     415.1,     415.1,       0.0);
     ( 463637.1, 3775414.9,     415.1,     415.1,       0.0);         ( 463687.1,
3775414.9,     414.9,     414.9,       0.0);
     ( 463737.1, 3775414.9,     414.8,     414.8,       0.0);         ( 463787.1,
3775414.9,     413.9,     413.9,       0.0);
     ( 463837.1, 3775414.9,     414.4,     414.4,       0.0);         ( 463887.1,
3775414.9,     414.0,     414.0,       0.0);
     ( 463937.1, 3775414.9,     413.8,     413.8,       0.0);         ( 463987.1,
3775414.9,     413.2,     413.2,       0.0);
     ( 464037.1, 3775414.9,     413.3,     413.3,       0.0);         ( 464087.1,
3775414.9,     413.4,     413.4,       0.0);
     ( 464137.1, 3775414.9,     412.6,     412.6,       0.0);         ( 464187.1,
3775414.9,     412.3,     412.3,       0.0);
     ( 464237.1, 3775414.9,     411.3,     411.3,       0.0);         ( 464287.1,
3775414.9,     410.6,     410.6,       0.0);
     ( 463437.1, 3775464.9,     417.2,     417.2,       0.0);         ( 463487.1,
3775464.9,     416.5,     416.5,       0.0);
     ( 463537.1, 3775464.9,     416.4,     416.4,       0.0);         ( 463587.1,
3775464.9,     416.0,     416.0,       0.0);
     ( 463637.1, 3775464.9,     416.1,     416.1,       0.0);         ( 463687.1,
3775464.9,     415.5,     415.5,       0.0);
     ( 463737.1, 3775464.9,     415.4,     415.4,       0.0);         ( 463787.1,
3775464.9,     414.8,     414.8,       0.0);
     ( 463837.1, 3775464.9,     415.0,     415.0,       0.0);         ( 463887.1,
3775464.9,     414.5,     414.5,       0.0);
     ( 463937.1, 3775464.9,     414.4,     414.4,       0.0);         ( 463987.1,
3775464.9,     414.0,     414.0,       0.0);
     ( 464037.1, 3775464.9,     414.2,     414.2,       0.0);         ( 464087.1,
3775464.9,     414.2,     414.2,       0.0);
     ( 464137.1, 3775464.9,     413.6,     413.6,       0.0);         ( 464187.1,
3775464.9,     413.1,     413.1,       0.0);
     ( 464237.1, 3775464.9,     412.0,     412.0,       0.0);         ( 464287.1,
3775464.9,     410.2,     410.2,       0.0);
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(463437.1, 3775514.9, 418.1, 418.1, 0.0); (463487.1, 3775514.9, 417.3, 417.3, 0.0);
(463537.1, 3775514.9, 417.6, 417.6, 0.0); (463587.1, 3775514.9, 417.2, 417.2, 0.0);
(463637.1, 3775514.9, 416.8, 416.8, 0.0); (463687.1, 3775514.9, 416.8, 416.8, 0.0);
(463737.1, 3775514.9, 415.9, 415.9, 0.0); (463787.1, 3775514.9, 415.7, 415.7, 0.0);
(463837.1, 3775514.9, 415.9, 415.9, 0.0); (463887.1, 3775514.9, 415.7, 415.7, 0.0);
(463937.1, 3775514.9, 415.7, 415.7, 0.0); (463987.1, 3775514.9, 415.1, 415.1, 0.0);
(464037.1, 3775514.9, 414.9, 414.9, 0.0); (464087.1, 3775514.9, 414.7, 414.7, 0.0);
(464137.1, 3775514.9, 414.2, 414.2, 0.0); (464187.1, 3775514.9, 413.4, 413.4, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464237.1, 3775514.9, 412.7, 412.7, 0.0); (463437.1, 3775564.9, 419.0, 419.0, 0.0);
(463487.1, 3775564.9, 418.4, 418.4, 0.0); (463537.1, 3775564.9, 418.8, 418.8, 0.0);
(463587.1, 3775564.9, 418.2, 418.2, 0.0); (463637.1, 3775564.9, 418.0, 418.0, 0.0);
(463687.1, 3775564.9, 418.1, 418.1, 0.0); (463737.1, 3775564.9, 417.2, 417.2, 0.0);
(463787.1, 3775564.9, 416.5, 416.5, 0.0); (463837.1, 3775564.9, 416.8, 416.8, 0.0);
(463887.1, 3775564.9, 416.6, 416.6, 0.0); (463937.1, 3775564.9, 416.5, 416.5, 0.0);
(463987.1, 3775564.9, 416.3, 416.3, 0.0); (464037.1, 3775564.9, 416.1, 416.1, 0.0);
(464087.1, 3775564.9, 415.8, 415.8, 0.0); (464137.1, 3775564.9, 415.0, 415.0, 0.0);
(464187.1, 3775564.9, 413.6, 413.6, 0.0); (464237.1, 3775564.9, 411.8, 411.8, 0.0);
(463437.1, 3775614.9, 420.0, 420.0, 0.0); (463487.1, 3775614.9, 419.3, 419.3, 0.0);

(463537.1, 3775614.9, 419.7, 419.7, 0.0); (463587.1, 3775614.9, 419.7, 419.7, 0.0);
(463637.1, 3775614.9, 419.1, 419.1, 0.0); (463687.1, 3775614.9, 418.5, 418.5, 0.0);
(463737.1, 3775614.9, 417.8, 417.8, 0.0); (463787.1, 3775614.9, 417.3, 417.3, 0.0);
(463837.1, 3775614.9, 417.8, 417.8, 0.0); (463887.1, 3775614.9, 417.7, 417.7, 0.0);
(463937.1, 3775614.9, 417.1, 417.1, 0.0); (463987.1, 3775614.9, 416.6, 416.6, 0.0);
(464037.1, 3775614.9, 416.4, 416.4, 0.0); (464087.1, 3775614.9, 416.2, 416.2, 0.0);
(464137.1, 3775614.9, 415.4, 415.4, 0.0); (464187.1, 3775614.9, 414.1, 414.1, 0.0);
(464237.1, 3775614.9, 412.3, 412.3, 0.0); (463437.1, 3775664.9, 421.0, 421.0, 0.0);
(463487.1, 3775664.9, 420.6, 420.6, 0.0); (463537.1, 3775664.9, 420.5, 420.5, 0.0);
(463587.1, 3775664.9, 420.3, 420.3, 0.0); (463637.1, 3775664.9, 419.9, 419.9, 0.0);
(463687.1, 3775664.9, 419.4, 419.4, 0.0); (463737.1, 3775664.9, 419.0, 419.0, 0.0);
(463787.1, 3775664.9, 418.7, 418.7, 0.0); (463837.1, 3775664.9, 418.6, 418.6, 0.0);
(463887.1, 3775664.9, 418.4, 418.4, 0.0); (463937.1, 3775664.9, 417.9, 417.9, 0.0);
(463987.1, 3775664.9, 417.5, 417.5, 0.0); (464037.1, 3775664.9, 417.3, 417.3, 0.0);
(464087.1, 3775664.9, 417.0, 417.0, 0.0); (464137.1, 3775664.9, 416.4, 416.4, 0.0);
(464187.1, 3775664.9, 415.5, 415.5, 0.0); (464237.1, 3775664.9, 414.8, 414.8, 0.0);
(464537.1, 3775764.9, 415.6, 415.6, 0.0); (464587.1, 3775764.9, 416.0, 416.0, 0.0);
(464487.1, 3775814.9, 416.7, 416.7, 0.0); (464537.1, 3775814.9, 416.6, 416.6, 0.0);
(464587.1, 3775814.9, 416.3, 416.3, 0.0); (464437.1, 3775864.9, 417.9, 417.9, 0.0);
(464487.1, 3775864.9, 417.1, 417.1, 0.0); (464537.1, 3775864.9, 417.4, 417.4, 0.0);
(464587.1, 3775864.9, 417.2, 417.2, 0.0); (464437.1, 3775914.9, 418.1, 418.1, 0.0);
(464487.1, 3775914.9, 417.3, 417.3, 0.0); (464537.1, 3775914.9, 417.7, 417.7, 0.0);
(464587.1, 3775914.9, 418.0, 418.0, 0.0); (464437.1, 3775964.9, 418.9, 418.9, 0.0);
(464487.1, 3775964.9, 418.1, 418.1, 0.0); (464537.1, 3775964.9, 418.4, 418.4, 0.0);

(464587.1, 3775964.9, 418.5, 418.5, 0.0); (464437.1, 3776014.9, 419.7, 419.7, 0.0);
(464487.1, 3776014.9, 419.0, 419.0, 0.0); (464537.1, 3776014.9, 419.2, 419.2, 0.0);
(464587.1, 3776014.9, 419.2, 419.2, 0.0); (464437.1, 3776064.9, 421.3, 421.3, 0.0);
(464487.1, 3776064.9, 420.7, 420.7, 0.0); (464537.1, 3776064.9, 420.7, 420.7, 0.0);
(464587.1, 3776064.9, 420.8, 420.8, 0.0); (464437.1, 3776114.9, 422.4, 422.4, 0.0);
(464487.1, 3776114.9, 421.9, 421.9, 0.0); (464537.1, 3776114.9, 421.8, 421.8, 0.0);
(464587.1, 3776114.9, 421.5, 421.5, 0.0); (464437.1, 3776164.9, 422.9, 422.9, 0.0);
(464487.1, 3776164.9, 422.3, 422.3, 0.0); (464537.1, 3776164.9, 422.3, 422.3, 0.0);
(464587.1, 3776164.9, 421.9, 421.9, 0.0); (464437.1, 3776214.9, 423.0, 423.0, 0.0);
(464487.1, 3776214.9, 422.3, 422.3, 0.0); (464537.1, 3776214.9, 422.6, 422.6, 0.0);
(464587.1, 3776214.9, 422.1, 422.1, 0.0); (464437.1, 3776264.9, 423.7, 423.7, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464487.1, 3776264.9, 423.1, 423.1, 0.0); (464537.1, 3776264.9, 423.1, 423.1, 0.0);
(464587.1, 3776264.9, 422.4, 422.4, 0.0); (464237.1, 3776314.9, 424.8, 424.8, 0.0);
(464287.1, 3776314.9, 424.5, 424.5, 0.0); (464337.1, 3776314.9, 424.4, 424.4, 0.0);
(464387.1, 3776314.9, 424.2, 424.2, 0.0); (464437.1, 3776314.9, 423.9, 423.9, 0.0);
(464487.1, 3776314.9, 423.4, 423.4, 0.0); (464537.1, 3776314.9, 423.2, 423.2, 0.0);
(464587.1, 3776314.9, 423.1, 423.1, 0.0); (463056.5, 3775313.5, 417.4, 417.4, 0.0);
(463106.5, 3775313.5, 416.2, 416.2, 0.0); (463156.5, 3775313.5, 415.9, 415.9, 0.0);

(463206.5, 3775313.5, 415.7, 415.7, 0.0); (463256.5, 3775313.5, 415.5, 415.5, 0.0);
(463306.5, 3775313.5, 415.4, 415.4, 0.0); (463356.5, 3775313.5, 415.0, 415.0, 0.0);
(463406.5, 3775313.5, 415.1, 415.1, 0.0); (463056.5, 3775363.5, 418.2, 418.2, 0.0);
(463106.5, 3775363.5, 416.6, 416.6, 0.0); (463156.5, 3775363.5, 416.4, 416.4, 0.0);
(463206.5, 3775363.5, 416.2, 416.2, 0.0); (463256.5, 3775363.5, 416.0, 416.0, 0.0);
(463306.5, 3775363.5, 415.8, 415.8, 0.0); (463356.5, 3775363.5, 415.6, 415.6, 0.0);
(463406.5, 3775363.5, 415.8, 415.8, 0.0); (463056.5, 3775413.5, 418.9, 418.9, 0.0);
(463106.5, 3775413.5, 417.4, 417.4, 0.0); (463156.5, 3775413.5, 418.2, 418.2, 0.0);
(463206.5, 3775413.5, 418.3, 418.3, 0.0); (463256.5, 3775413.5, 418.1, 418.1, 0.0);
(463306.5, 3775413.5, 417.9, 417.9, 0.0); (463356.5, 3775413.5, 417.3, 417.3, 0.0);
(463406.5, 3775413.5, 416.9, 416.9, 0.0); (463056.5, 3775463.5, 419.8, 419.8, 0.0);
(463106.5, 3775463.5, 418.3, 418.3, 0.0); (463156.5, 3775463.5, 418.9, 418.9, 0.0);
(463206.5, 3775463.5, 418.9, 418.9, 0.0); (463256.5, 3775463.5, 418.7, 418.7, 0.0);
(463306.5, 3775463.5, 418.5, 418.5, 0.0); (463356.5, 3775463.5, 418.1, 418.1, 0.0);
(463406.5, 3775463.5, 417.7, 417.7, 0.0); (463056.5, 3775513.5, 420.6, 420.6, 0.0);
(463106.5, 3775513.5, 419.2, 419.2, 0.0); (463156.5, 3775513.5, 419.5, 419.5, 0.0);
(463206.5, 3775513.5, 419.1, 419.1, 0.0); (463256.5, 3775513.5, 418.9, 418.9, 0.0);
(463306.5, 3775513.5, 418.7, 418.7, 0.0); (463356.5, 3775513.5, 418.4, 418.4, 0.0);
(463406.5, 3775513.5, 418.5, 418.5, 0.0); (463056.5, 3775563.5, 421.5, 421.5, 0.0);
(463106.5, 3775563.5, 420.1, 420.1, 0.0); (463156.5, 3775563.5, 420.6, 420.6, 0.0);
(463206.5, 3775563.5, 420.4, 420.4, 0.0); (463256.5, 3775563.5, 420.0, 420.0, 0.0);
(463306.5, 3775563.5, 419.7, 419.7, 0.0); (463356.5, 3775563.5, 419.2, 419.2, 0.0);
(463406.5, 3775563.5, 419.3, 419.3, 0.0); (463056.5, 3775613.5, 422.4, 422.4, 0.0);
(463106.5, 3775613.5, 420.9, 420.9, 0.0); (463156.5, 3775613.5, 421.1, 421.1, 0.0);

(463206.5, 3775613.5, 421.1, 421.1, 0.0); (463256.5, 3775613.5, 420.6, 420.6, 0.0);
(463306.5, 3775613.5, 420.2, 420.2, 0.0); (463356.5, 3775613.5, 419.7, 419.7, 0.0);
(463406.5, 3775613.5, 420.1, 420.1, 0.0); (463056.5, 3775663.5, 423.3, 423.3, 0.0);
(463106.5, 3775663.5, 422.6, 422.6, 0.0); (463156.5, 3775663.5, 422.4, 422.4, 0.0);
(463206.5, 3775663.5, 422.3, 422.3, 0.0); (463256.5, 3775663.5, 421.9, 421.9, 0.0);
(463306.5, 3775663.5, 421.6, 421.6, 0.0); (463356.5, 3775663.5, 421.3, 421.3, 0.0);
(463406.5, 3775663.5, 421.1, 421.1, 0.0); (461019.2, 3775312.3, 424.1, 424.1, 0.0);
(461069.2, 3775312.3, 423.5, 423.5, 0.0); (461119.2, 3775312.3, 423.2, 423.2, 0.0);
(461169.2, 3775312.3, 423.0, 423.0, 0.0); (461219.2, 3775312.3, 423.1, 423.1, 0.0);
(461269.2, 3775312.3, 423.2, 423.2, 0.0); (461319.2, 3775312.3, 423.1, 423.1, 0.0);
(461369.2, 3775312.3, 423.1, 423.1, 0.0); (461469.2, 3775312.3, 422.9, 422.9, 0.0);
(461519.2, 3775312.3, 422.6, 422.6, 0.0); (461569.2, 3775312.3, 422.3, 422.3, 0.0);
(461619.2, 3775312.3, 422.6, 422.6, 0.0); (461669.2, 3775312.3, 422.8, 422.8, 0.0);
(461719.2, 3775312.3, 422.6, 422.6, 0.0); (461769.2, 3775312.3, 422.6, 422.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(461819.2, 3775312.3, 422.2, 422.2, 0.0); (461869.2, 3775312.3, 422.3, 422.3, 0.0);
(461919.2, 3775312.3, 422.5, 422.5, 0.0); (461969.2, 3775312.3, 422.1, 422.1, 0.0);
(462019.2, 3775312.3, 421.8, 421.8, 0.0); (462069.2, 3775312.3, 420.9, 420.9, 0.0);
(462119.2, 3775312.3, 421.7, 421.7, 0.0); (462169.2, 3775312.3, 421.6, 421.6, 0.0);

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     ( 462219.2, 3775312.3,     420.9,     420.9,       0.0);         ( 462269.2,
3775312.3,     420.7,     420.7,       0.0);
     ( 462319.2, 3775312.3,     420.4,     420.4,       0.0);         ( 462369.2,
3775312.3,     420.1,     420.1,       0.0);
     ( 462419.2, 3775312.3,     419.8,     419.8,       0.0);         ( 462469.2,
3775312.3,     420.0,     420.0,       0.0);
     ( 462519.2, 3775312.3,     419.6,     419.6,       0.0);         ( 462569.2,
3775312.3,     419.8,     419.8,       0.0);
     ( 462619.2, 3775312.3,     419.3,     419.3,       0.0);         ( 462669.2,
3775312.3,     419.4,     419.4,       0.0);
     ( 462719.2, 3775312.3,     418.9,     418.9,       0.0);         ( 462769.2,
3775312.3,     418.4,     418.4,       0.0);
     ( 462819.2, 3775312.3,     418.4,     418.4,       0.0);         ( 462869.2,
3775312.3,     418.0,     418.0,       0.0);
     ( 462919.2, 3775312.3,     417.7,     417.7,       0.0);         ( 462969.2,
3775312.3,     417.7,     417.7,       0.0);
     ( 463019.2, 3775312.3,     417.5,     417.5,       0.0);         ( 461019.2,
3775362.3,     425.3,     425.3,       0.0);
     ( 461069.2, 3775362.3,     424.8,     424.8,       0.0);         ( 461119.2,
3775362.3,     424.8,     424.8,       0.0);
     ( 461169.2, 3775362.3,     424.8,     424.8,       0.0);         ( 461219.2,
3775362.3,     424.4,     424.4,       0.0);
     ( 461269.2, 3775362.3,     424.2,     424.2,       0.0);         ( 461319.2,
3775362.3,     423.5,     423.5,       0.0);
     ( 461369.2, 3775362.3,     424.0,     424.0,       0.0);         ( 461469.2,
3775362.3,     423.8,     423.8,       0.0);
     ( 461519.2, 3775362.3,     423.4,     423.4,       0.0);         ( 461569.2,
3775362.3,     423.2,     423.2,       0.0);
     ( 461619.2, 3775362.3,     423.3,     423.3,       0.0);         ( 461669.2,
3775362.3,     423.4,     423.4,       0.0);
     ( 461719.2, 3775362.3,     423.0,     423.0,       0.0);         ( 461769.2,
3775362.3,     423.5,     423.5,       0.0);
     ( 461819.2, 3775362.3,     423.2,     423.2,       0.0);         ( 461869.2,
3775362.3,     422.8,     422.8,       0.0);
     ( 461919.2, 3775362.3,     422.6,     422.6,       0.0);         ( 461969.2,
3775362.3,     422.3,     422.3,       0.0);
     ( 462019.2, 3775362.3,     422.2,     422.2,       0.0);         ( 462069.2,
3775362.3,     421.6,     421.6,       0.0);
     ( 462119.2, 3775362.3,     422.2,     422.2,       0.0);         ( 462169.2,
3775362.3,     422.4,     422.4,       0.0);
     ( 462219.2, 3775362.3,     421.9,     421.9,       0.0);         ( 462269.2,
3775362.3,     421.8,     421.8,       0.0);
     ( 462319.2, 3775362.3,     421.4,     421.4,       0.0);         ( 462369.2,
3775362.3,     421.2,     421.2,       0.0);
     ( 462419.2, 3775362.3,     420.6,     420.6,       0.0);         ( 462469.2,
3775362.3,     420.7,     420.7,       0.0);
     ( 462519.2, 3775362.3,     420.6,     420.6,       0.0);         ( 462569.2,
3775362.3,     420.4,     420.4,       0.0);
```

     (462619.2, 3775362.3,   420.0,   420.0,   0.0);   (462669.2,
3775362.3,   420.2,   420.2,   0.0);
     (462719.2, 3775362.3,   419.9,   419.9,   0.0);   (462769.2,
3775362.3,   419.3,   419.3,   0.0);
     (462819.2, 3775362.3,   419.6,   419.6,   0.0);   (462869.2,
3775362.3,   419.1,   419.1,   0.0);
     (462919.2, 3775362.3,   419.0,   419.0,   0.0);   (462969.2,
3775362.3,   418.8,   418.8,   0.0);
     (463019.2, 3775362.3,   418.3,   418.3,   0.0);   (461019.2,
3775412.3,   426.3,   426.3,   0.0);
     (461069.2, 3775412.3,   426.0,   426.0,   0.0);   (461119.2,
3775412.3,   425.9,   425.9,   0.0);
     (461169.2, 3775412.3,   425.4,   425.4,   0.0);   (461219.2,
3775412.3,   425.4,   425.4,   0.0);
     (461269.2, 3775412.3,   425.0,   425.0,   0.0);   (461319.2,
3775412.3,   424.0,   424.0,   0.0);
     (461369.2, 3775412.3,   424.7,   424.7,   0.0);   (461469.2,
3775412.3,   424.4,   424.4,   0.0);
     (461519.2, 3775412.3,   423.9,   423.9,   0.0);   (461569.2,
3775412.3,   423.9,   423.9,   0.0);
     (461619.2, 3775412.3,   423.6,   423.6,   0.0);   (461669.2,
3775412.3,   423.8,   423.8,   0.0);
     (461719.2, 3775412.3,   423.8,   423.8,   0.0);   (461769.2,
3775412.3,   424.2,   424.2,   0.0);
     (461819.2, 3775412.3,   424.2,   424.2,   0.0);   (461869.2,
3775412.3,   423.4,   423.4,   0.0);
     (461919.2, 3775412.3,   423.1,   423.1,   0.0);   (461969.2,
3775412.3,   422.7,   422.7,   0.0);
     (462019.2, 3775412.3,   422.6,   422.6,   0.0);   (462069.2,
3775412.3,   422.3,   422.3,   0.0);
     (462119.2, 3775412.3,   422.6,   422.6,   0.0);   (462169.2,
3775412.3,   422.7,   422.7,   0.0);
     (462219.2, 3775412.3,   422.9,   422.9,   0.0);   (462269.2,
3775412.3,   422.7,   422.7,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (462319.2, 3775412.3,   421.9,   421.9,   0.0);   (462369.2,
3775412.3,   421.7,   421.7,   0.0);

```
     ( 462419.2, 3775412.3,     421.5,     421.5,       0.0);         ( 462469.2,
3775412.3,     422.0,     422.0,       0.0);
     ( 462519.2, 3775412.3,     421.9,     421.9,       0.0);         ( 462569.2,
3775412.3,     421.3,     421.3,       0.0);
     ( 462619.2, 3775412.3,     420.9,     420.9,       0.0);         ( 462669.2,
3775412.3,     421.0,     421.0,       0.0);
     ( 462719.2, 3775412.3,     420.6,     420.6,       0.0);         ( 462769.2,
3775412.3,     420.1,     420.1,       0.0);
     ( 462819.2, 3775412.3,     420.3,     420.3,       0.0);         ( 462869.2,
3775412.3,     419.6,     419.6,       0.0);
     ( 462919.2, 3775412.3,     419.4,     419.4,       0.0);         ( 462969.2,
3775412.3,     419.4,     419.4,       0.0);
     ( 463019.2, 3775412.3,     419.0,     419.0,       0.0);         ( 461019.2,
3775462.3,     427.1,     427.1,       0.0);
     ( 461069.2, 3775462.3,     427.0,     427.0,       0.0);         ( 461119.2,
3775462.3,     426.8,     426.8,       0.0);
     ( 461169.2, 3775462.3,     426.4,     426.4,       0.0);         ( 461219.2,
3775462.3,     426.6,     426.6,       0.0);
     ( 461269.2, 3775462.3,     426.2,     426.2,       0.0);         ( 461319.2,
3775462.3,     425.4,     425.4,       0.0);
     ( 461369.2, 3775462.3,     425.9,     425.9,       0.0);         ( 461469.2,
3775462.3,     425.0,     425.0,       0.0);
     ( 461519.2, 3775462.3,     424.4,     424.4,       0.0);         ( 461569.2,
3775462.3,     424.9,     424.9,       0.0);
     ( 461619.2, 3775462.3,     424.2,     424.2,       0.0);         ( 461669.2,
3775462.3,     425.0,     425.0,       0.0);
     ( 461719.2, 3775462.3,     425.3,     425.3,       0.0);         ( 461769.2,
3775462.3,     425.6,     425.6,       0.0);
     ( 461819.2, 3775462.3,     425.3,     425.3,       0.0);         ( 461869.2,
3775462.3,     423.8,     423.8,       0.0);
     ( 461919.2, 3775462.3,     423.6,     423.6,       0.0);         ( 461969.2,
3775462.3,     424.0,     424.0,       0.0);
     ( 462019.2, 3775462.3,     423.9,     423.9,       0.0);         ( 462069.2,
3775462.3,     423.9,     423.9,       0.0);
     ( 462119.2, 3775462.3,     424.0,     424.0,       0.0);         ( 462169.2,
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     ( 462219.2, 3775462.3,     424.0,     424.0,       0.0);         ( 462269.2,
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     ( 462319.2, 3775462.3,     423.4,     423.4,       0.0);         ( 462369.2,
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     ( 462419.2, 3775462.3,     422.7,     422.7,       0.0);         ( 462469.2,
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     ( 462519.2, 3775462.3,     422.4,     422.4,       0.0);         ( 462569.2,
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     ( 462719.2, 3775462.3,     421.8,     421.8,       0.0);         ( 462769.2,
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     ( 461719.2, 3775512.3,     425.2,     425.2,       0.0);         ( 461769.2,
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3775512.3,     424.4,     424.4,       0.0);
     ( 462019.2, 3775512.3,     424.6,     424.6,       0.0);         ( 462069.2,
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     ( 462419.2, 3775512.3,     423.8,     423.8,       0.0);         ( 462469.2,
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3775512.3,     421.8,     421.8,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                            ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:24:12

                                    PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(461269.2, 3775662.3, 430.2, 430.2, 0.0); (461319.2, 3775662.3, 430.0, 430.0, 0.0);
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(462019.2, 3775662.3, 427.7, 427.7, 0.0); (462069.2, 3775662.3, 427.4, 427.4, 0.0);
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     (463968.1, 3776150.1,   425.5,   425.5,   0.0);   (463914.6,
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     (464238.7, 3776445.3,   427.1,   427.1,   0.0);   (464288.7,
3776445.3,   427.1,   427.1,   0.0);
     (464338.7, 3776445.3,   427.6,   427.6,   0.0);   (464388.7,
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     (464538.7, 3776445.3,   426.9,   426.9,   0.0);   (464588.7,
3776445.3,   426.9,   426.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                    (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1

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            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: FONT_V9_ADJU\FONT_v9.SFC
Met Version: 16216
Profile file: FONT_V9_ADJU\FONT_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5

```
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5   99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                            ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                            ***        15:24:12

                                       PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                 L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         463437.12    3775314.91        0.00017                       463487.12
3775314.91        0.00017
         463537.12    3775314.91        0.00017                       463587.12
3775314.91        0.00018
         463637.12    3775314.91        0.00018                       463687.12
3775314.91        0.00018
         463737.12    3775314.91        0.00018                       463787.12
```

3775314.91 0.00018
463837.12 3775314.91 0.00018 463887.12
3775314.91 0.00018
463937.12 3775314.91 0.00018 463987.12
3775314.91 0.00018
464037.12 3775314.91 0.00017 464087.12
3775314.91 0.00016
464137.12 3775314.91 0.00015 464187.12
3775314.91 0.00014
464237.12 3775314.91 0.00014 464287.12
3775314.91 0.00013
464337.12 3775314.91 0.00012 463437.12
3775364.91 0.00019
463487.12 3775364.91 0.00019 463537.12
3775364.91 0.00019
463587.12 3775364.91 0.00020 463637.12
3775364.91 0.00020
463687.12 3775364.91 0.00021 463737.12
3775364.91 0.00021
463787.12 3775364.91 0.00021 463837.12
3775364.91 0.00021
463887.12 3775364.91 0.00021 463937.12
3775364.91 0.00021
463987.12 3775364.91 0.00020 464037.12
3775364.91 0.00020
464087.12 3775364.91 0.00019 464137.12
3775364.91 0.00018
464187.12 3775364.91 0.00016 464237.12
3775364.91 0.00015
464287.12 3775364.91 0.00014 464337.12
3775364.91 0.00013
463437.12 3775414.91 0.00021 463487.12
3775414.91 0.00022
463537.12 3775414.91 0.00022 463587.12
3775414.91 0.00023
463637.12 3775414.91 0.00023 463687.12
3775414.91 0.00024
463737.12 3775414.91 0.00024 463787.12
3775414.91 0.00025
463837.12 3775414.91 0.00025 463887.12
3775414.91 0.00025
463937.12 3775414.91 0.00025 463987.12
3775414.91 0.00024
464037.12 3775414.91 0.00023 464087.12
3775414.91 0.00022
464137.12 3775414.91 0.00020 464187.12
3775414.91 0.00019
464237.12 3775414.91 0.00017 464287.12

```
3775414.91        0.00016
         463437.12    3775464.91        0.00025                        463487.12
3775464.91        0.00025
         463537.12    3775464.91        0.00026                        463587.12
3775464.91        0.00027
         463637.12    3775464.91        0.00027                        463687.12
3775464.91        0.00028
         463737.12    3775464.91        0.00029                        463787.12
3775464.91        0.00030
         463837.12    3775464.91        0.00031                        463887.12
3775464.91        0.00031
         463937.12    3775464.91        0.00031                        463987.12
3775464.91        0.00030
         464037.12    3775464.91        0.00029                        464087.12
3775464.91        0.00027
         464137.12    3775464.91        0.00024                        464187.12
3775464.91        0.00022
         464237.12    3775464.91        0.00020                        464287.12
3775464.91        0.00018
         463437.12    3775514.91        0.00030                        463487.12
3775514.91        0.00031
         463537.12    3775514.91        0.00031                        463587.12
3775514.91        0.00032
         463637.12    3775514.91        0.00033                        463687.12
3775514.91        0.00034
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        15:24:12

                                     PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                    INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                 L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463737.12	3775514.91	0.00035	463787.12	3775514.91	0.00037
463837.12	3775514.91	0.00038	463887.12	3775514.91	0.00040
463937.12	3775514.91	0.00040	463987.12	3775514.91	0.00039
464037.12	3775514.91	0.00037	464087.12	3775514.91	0.00034
464137.12	3775514.91	0.00030	464187.12	3775514.91	0.00026
464237.12	3775514.91	0.00023	463437.12	3775564.91	0.00039
463487.12	3775564.91	0.00039	463537.12	3775564.91	0.00040
463587.12	3775564.91	0.00041	463637.12	3775564.91	0.00043
463687.12	3775564.91	0.00044	463737.12	3775564.91	0.00046
463787.12	3775564.91	0.00048	463837.12	3775564.91	0.00051
463887.12	3775564.91	0.00053	463937.12	3775564.91	0.00055
463987.12	3775564.91	0.00055	464037.12	3775564.91	0.00051
464087.12	3775564.91	0.00045	464137.12	3775564.91	0.00038
464187.12	3775564.91	0.00032	464237.12	3775564.91	0.00027
463437.12	3775614.91	0.00058	463487.12	3775614.91	0.00059
463537.12	3775614.91	0.00060	463587.12	3775614.91	0.00062
463637.12	3775614.91	0.00063	463687.12	3775614.91	0.00065
463737.12	3775614.91	0.00068	463787.12	3775614.91	0.00071
463837.12	3775614.91	0.00076	463887.12	3775614.91	0.00081
463937.12	3775614.91	0.00086	463987.12	3775614.91	0.00089
464037.12	3775614.91	0.00082	464087.12	3775614.91	0.00066

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         464137.12    3775614.91        0.00051                        464187.12
3775614.91        0.00040
         464237.12    3775614.91        0.00032                        463437.12
3775664.91        0.00159
         463487.12    3775664.91        0.00161                        463537.12
3775664.91        0.00165
         463587.12    3775664.91        0.00167                        463637.12
3775664.91        0.00169
         463687.12    3775664.91        0.00171                        463737.12
3775664.91        0.00176
         463787.12    3775664.91        0.00182                        463837.12
3775664.91        0.00192
         463887.12    3775664.91        0.00204                        463937.12
3775664.91        0.00219
         463987.12    3775664.91        0.00235                        464037.12
3775664.91        0.00234
         464087.12    3775664.91        0.00112                        464137.12
3775664.91        0.00072
         464187.12    3775664.91        0.00052                        464237.12
3775664.91        0.00039
         464537.12    3775764.91        0.00016                        464587.12
3775764.91        0.00014
         464487.12    3775814.91        0.00019                        464537.12
3775814.91        0.00017
         464587.12    3775814.91        0.00015                        464437.12
3775864.91        0.00024
         464487.12    3775864.91        0.00020                        464537.12
3775864.91        0.00017
         464587.12    3775864.91        0.00015                        464437.12
3775914.91        0.00024
         464487.12    3775914.91        0.00020                        464537.12
3775914.91        0.00018
         464587.12    3775914.91        0.00015                        464437.12
3775964.91        0.00024
         464487.12    3775964.91        0.00020                        464537.12
3775964.91        0.00018
         464587.12    3775964.91        0.00016                        464437.12
3776014.91        0.00023
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:24:12

                                   PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
```

INCLUDING SOURCE(S): L0034389 , L0034390
, L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398
, L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406
, L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414
, L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464487.12	3776014.91	0.00020	464537.12	3776014.91	0.00017
464587.12	3776014.91	0.00015	464437.12	3776064.91	0.00022
464487.12	3776064.91	0.00019	464537.12	3776064.91	0.00017
464587.12	3776064.91	0.00015	464437.12	3776114.91	0.00020
464487.12	3776114.91	0.00018	464537.12	3776114.91	0.00016
464587.12	3776114.91	0.00014	464437.12	3776164.91	0.00018
464487.12	3776164.91	0.00016	464537.12	3776164.91	0.00015
464587.12	3776164.91	0.00014	464437.12	3776214.91	0.00016
464487.12	3776214.91	0.00015	464537.12	3776214.91	0.00014
464587.12	3776214.91	0.00013	464437.12	3776264.91	0.00015
464487.12	3776264.91	0.00014	464537.12	3776264.91	0.00013
464587.12	3776264.91	0.00012	464237.12	3776314.91	0.00016
464287.12	3776314.91	0.00015	464337.12	3776314.91	0.00015
464387.12	3776314.91	0.00014	464437.12	3776314.91	0.00013
464487.12	3776314.91	0.00013	464537.12		

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3776314.91        0.00012
         464587.12    3776314.91        0.00011                    463056.48
3775313.51        0.00015
         463106.48    3775313.51        0.00016                    463156.48
3775313.51        0.00016
         463206.48    3775313.51        0.00016                    463256.48
3775313.51        0.00016
         463306.48    3775313.51        0.00016                    463356.48
3775313.51        0.00016
         463406.48    3775313.51        0.00017                    463056.48
3775363.51        0.00017
         463106.48    3775363.51        0.00017                    463156.48
3775363.51        0.00017
         463206.48    3775363.51        0.00018                    463256.48
3775363.51        0.00018
         463306.48    3775363.51        0.00018                    463356.48
3775363.51        0.00018
         463406.48    3775363.51        0.00019                    463056.48
3775413.51        0.00020
         463106.48    3775413.51        0.00020                    463156.48
3775413.51        0.00020
         463206.48    3775413.51        0.00020                    463256.48
3775413.51        0.00020
         463306.48    3775413.51        0.00021                    463356.48
3775413.51        0.00021
         463406.48    3775413.51        0.00021                    463056.48
3775463.51        0.00023
         463106.48    3775463.51        0.00023                    463156.48
3775463.51        0.00023
         463206.48    3775463.51        0.00023                    463256.48
3775463.51        0.00024
         463306.48    3775463.51        0.00024                    463356.48
3775463.51        0.00024
         463406.48    3775463.51        0.00025                    463056.48
3775513.51        0.00028
         463106.48    3775513.51        0.00028                    463156.48
3775513.51        0.00028
         463206.48    3775513.51        0.00028                    463256.48
3775513.51        0.00028
         463306.48    3775513.51        0.00029                    463356.48
3775513.51        0.00029
         463406.48    3775513.51        0.00030                    463056.48
3775563.51        0.00036
         463106.48    3775563.51        0.00036                    463156.48
3775563.51        0.00036
         463206.48    3775563.51        0.00037                    463256.48
3775563.51        0.00037
         463306.48    3775563.51        0.00037                    463356.48
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3775563.51 0.00038
463406.48 3775563.51 0.00038 463056.48
3775613.51 0.00054
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

PAGE 138
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390
, L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398
, L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406
, L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414
, L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
- - - -

461069.19 3775312.34 0.00009 461119.19 3775312.34 0.00009
461169.19 3775312.34 0.00010 461219.19 3775312.34 0.00010
461269.19 3775312.34 0.00011 461319.19 3775312.34 0.00012
461369.19 3775312.34 0.00012 461469.19 3775312.34 0.00013
461519.19 3775312.34 0.00013 461569.19 3775312.34 0.00014
461619.19 3775312.34 0.00014 461669.19 3775312.34 0.00014
461719.19 3775312.34 0.00014 461769.19 3775312.34 0.00014
461819.19 3775312.34 0.00014 461869.19 3775312.34 0.00015
461919.19 3775312.34 0.00015 461969.19 3775312.34 0.00015
462019.19 3775312.34 0.00015 462069.19 3775312.34 0.00015
462119.19 3775312.34 0.00015 462169.19 3775312.34 0.00015
462219.19 3775312.34 0.00015 462269.19 3775312.34 0.00015
462319.19 3775312.34 0.00015 462369.19 3775312.34 0.00015
462419.19 3775312.34 0.00015 462469.19 3775312.34 0.00015
462519.19 3775312.34 0.00015 462569.19 3775312.34 0.00015
462619.19 3775312.34 0.00015 462669.19 3775312.34 0.00015
462719.19 3775312.34 0.00015 462769.19 3775312.34 0.00015
462819.19 3775312.34 0.00015 462869.19 3775312.34 0.00015
462919.19 3775312.34 0.00015 462969.19 3775312.34 0.00015
463019.19 3775312.34 0.00015 461019.19 3775362.34 0.00009
461069.19 3775362.34 0.00009 461119.19 3775362.34 0.00010
461169.19 3775362.34 0.00011 461219.19 3775362.34 0.00011
461269.19 3775362.34 0.00012 461319.19 3775362.34 0.00013
461369.19 3775362.34 0.00013 461469.19 3775362.34 0.00015

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         461519.19    3775362.34        0.00015                        461569.19
3775362.34        0.00015
         461619.19    3775362.34        0.00016                        461669.19
3775362.34        0.00016
         461719.19    3775362.34        0.00016                        461769.19
3775362.34        0.00016
         461819.19    3775362.34        0.00016                        461869.19
3775362.34        0.00016
         461919.19    3775362.34        0.00016                        461969.19
3775362.34        0.00016
         462019.19    3775362.34        0.00016                        462069.19
3775362.34        0.00016
         462119.19    3775362.34        0.00016                        462169.19
3775362.34        0.00017
         462219.19    3775362.34        0.00017                        462269.19
3775362.34        0.00017
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        15:24:12

                                     PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                     INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                  L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                  L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                  L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         462319.19    3775362.34        0.00017                        462369.19
3775362.34        0.00017
         462419.19    3775362.34        0.00017                        462469.19
```

3775362.34 0.00017
462519.19 3775362.34 0.00017 462569.19
3775362.34 0.00017
462619.19 3775362.34 0.00017 462669.19
3775362.34 0.00017
462719.19 3775362.34 0.00017 462769.19
3775362.34 0.00017
462819.19 3775362.34 0.00017 462869.19
3775362.34 0.00017
462919.19 3775362.34 0.00017 462969.19
3775362.34 0.00017
463019.19 3775362.34 0.00017 461019.19
3775412.34 0.00009
461069.19 3775412.34 0.00010 461119.19
3775412.34 0.00011
461169.19 3775412.34 0.00012 461219.19
3775412.34 0.00012
461269.19 3775412.34 0.00013 461319.19
3775412.34 0.00014
461369.19 3775412.34 0.00015 461469.19
3775412.34 0.00017
461519.19 3775412.34 0.00017 461569.19
3775412.34 0.00018
461619.19 3775412.34 0.00018 461669.19
3775412.34 0.00018
461719.19 3775412.34 0.00018 461769.19
3775412.34 0.00019
461819.19 3775412.34 0.00019 461869.19
3775412.34 0.00019
461919.19 3775412.34 0.00019 461969.19
3775412.34 0.00019
462019.19 3775412.34 0.00019 462069.19
3775412.34 0.00019
462119.19 3775412.34 0.00019 462169.19
3775412.34 0.00019
462219.19 3775412.34 0.00019 462269.19
3775412.34 0.00019
462319.19 3775412.34 0.00019 462369.19
3775412.34 0.00019
462419.19 3775412.34 0.00019 462469.19
3775412.34 0.00019
462519.19 3775412.34 0.00019 462569.19
3775412.34 0.00019
462619.19 3775412.34 0.00019 462669.19
3775412.34 0.00019
462719.19 3775412.34 0.00019 462769.19
3775412.34 0.00019
462819.19 3775412.34 0.00019 462869.19

```
3775412.34        0.00019
         462919.19    3775412.34        0.00019                        462969.19
3775412.34        0.00019
         463019.19    3775412.34        0.00019                        461019.19
3775462.34        0.00010
         461069.19    3775462.34        0.00011                        461119.19
3775462.34        0.00012
         461169.19    3775462.34        0.00013                        461219.19
3775462.34        0.00014
         461269.19    3775462.34        0.00015                        461319.19
3775462.34        0.00016
         461369.19    3775462.34        0.00018                        461469.19
3775462.34        0.00020
         461519.19    3775462.34        0.00020                        461569.19
3775462.34        0.00021
         461619.19    3775462.34        0.00021                        461669.19
3775462.34        0.00022
         461719.19    3775462.34        0.00022                        461769.19
3775462.34        0.00022
         461819.19    3775462.34        0.00022                        461869.19
3775462.34        0.00022
         461919.19    3775462.34        0.00022                        461969.19
3775462.34        0.00022
         462019.19    3775462.34        0.00022                        462069.19
3775462.34        0.00022
         462119.19    3775462.34        0.00022                        462169.19
3775462.34        0.00022
         462219.19    3775462.34        0.00022                        462269.19
3775462.34        0.00022
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        15:24:12

                                     PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                 L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775462.34	0.00022	462369.19	3775462.34	0.00022
462419.19	3775462.34	0.00022	462469.19	3775462.34	0.00022
462519.19	3775462.34	0.00022	462569.19	3775462.34	0.00022
462619.19	3775462.34	0.00022	462669.19	3775462.34	0.00022
462719.19	3775462.34	0.00022	462769.19	3775462.34	0.00022
462819.19	3775462.34	0.00022	462869.19	3775462.34	0.00022
462919.19	3775462.34	0.00022	462969.19	3775462.34	0.00023
463019.19	3775462.34	0.00023	461019.19	3775512.34	0.00010
461069.19	3775512.34	0.00011	461119.19	3775512.34	0.00012
461169.19	3775512.34	0.00014	461219.19	3775512.34	0.00015
461269.19	3775512.34	0.00017	461319.19	3775512.34	0.00019
461369.19	3775512.34	0.00021	461469.19	3775512.34	0.00024
461519.19	3775512.34	0.00025	461569.19	3775512.34	0.00026
461619.19	3775512.34	0.00026	461669.19	3775512.34	0.00026
461719.19	3775512.34	0.00026	461769.19	3775512.34	0.00027
461819.19	3775512.34	0.00027	461869.19	3775512.34	0.00027
461919.19	3775512.34	0.00026	461969.19	3775512.34	0.00027
462019.19	3775512.34	0.00027	462069.19	3775512.34	0.00027
462119.19	3775512.34	0.00027	462169.19	3775512.34	0.00027

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         462219.19    3775512.34        0.00027                        462269.19
3775512.34        0.00027
         462319.19    3775512.34        0.00027                        462369.19
3775512.34        0.00027
         462419.19    3775512.34        0.00027                        462469.19
3775512.34        0.00027
         462519.19    3775512.34        0.00027                        462569.19
3775512.34        0.00027
         462619.19    3775512.34        0.00027                        462669.19
3775512.34        0.00027
         462719.19    3775512.34        0.00027                        462769.19
3775512.34        0.00027
         462819.19    3775512.34        0.00027                        462869.19
3775512.34        0.00027
         462919.19    3775512.34        0.00027                        462969.19
3775512.34        0.00027
         463019.19    3775512.34        0.00027                        461019.19
3775562.34        0.00011
         461069.19    3775562.34        0.00012                        461119.19
3775562.34        0.00013
         461169.19    3775562.34        0.00015                        461219.19
3775562.34        0.00017
         461269.19    3775562.34        0.00019                        461319.19
3775562.34        0.00023
         461369.19    3775562.34        0.00026                        461469.19
3775562.34        0.00032
         461519.19    3775562.34        0.00033                        461569.19
3775562.34        0.00034
         461619.19    3775562.34        0.00034                        461669.19
3775562.34        0.00034
         461719.19    3775562.34        0.00034                        461769.19
3775562.34        0.00034
         461819.19    3775562.34        0.00035                        461869.19
3775562.34        0.00034
         461919.19    3775562.34        0.00034                        461969.19
3775562.34        0.00034
         462019.19    3775562.34        0.00034                        462069.19
3775562.34        0.00034
         462119.19    3775562.34        0.00034                        462169.19
3775562.34        0.00035
         462219.19    3775562.34        0.00035                        462269.19
3775562.34        0.00035
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:24:12
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775562.34	0.00035	462369.19	3775562.34	0.00035
462419.19	3775562.34	0.00035	462469.19	3775562.34	0.00035
462519.19	3775562.34	0.00035	462569.19	3775562.34	0.00035
462619.19	3775562.34	0.00035	462669.19	3775562.34	0.00035
462719.19	3775562.34	0.00035	462769.19	3775562.34	0.00035
462819.19	3775562.34	0.00035	462869.19	3775562.34	0.00035
462919.19	3775562.34	0.00035	462969.19	3775562.34	0.00036
463019.19	3775562.34	0.00036	461019.19	3775612.34	0.00012
461069.19	3775612.34	0.00013	461119.19	3775612.34	0.00014
461169.19	3775612.34	0.00016	461219.19	3775612.34	0.00019
461269.19	3775612.34	0.00022	461319.19	3775612.34	0.00028
461369.19	3775612.34	0.00035	461469.19	3775612.34	0.00049
461519.19	3775612.34	0.00051	461569.19		

3775612.34 0.00051
461619.19 3775612.34 0.00051 461669.19
3775612.34 0.00051
461719.19 3775612.34 0.00051 461769.19
3775612.34 0.00051
461819.19 3775612.34 0.00051 461869.19
3775612.34 0.00051
461919.19 3775612.34 0.00051 461969.19
3775612.34 0.00051
462019.19 3775612.34 0.00051 462069.19
3775612.34 0.00051
462119.19 3775612.34 0.00051 462169.19
3775612.34 0.00051
462219.19 3775612.34 0.00052 462269.19
3775612.34 0.00052
462319.19 3775612.34 0.00052 462369.19
3775612.34 0.00052
462419.19 3775612.34 0.00052 462469.19
3775612.34 0.00052
462519.19 3775612.34 0.00052 462569.19
3775612.34 0.00052
462619.19 3775612.34 0.00053 462669.19
3775612.34 0.00053
462719.19 3775612.34 0.00053 462769.19
3775612.34 0.00053
462819.19 3775612.34 0.00053 462869.19
3775612.34 0.00053
462919.19 3775612.34 0.00053 462969.19
3775612.34 0.00053
463019.19 3775612.34 0.00054 461019.19
3775662.34 0.00012
461069.19 3775662.34 0.00013 461119.19
3775662.34 0.00015
461169.19 3775662.34 0.00018 461219.19
3775662.34 0.00021
461269.19 3775662.34 0.00026 461319.19
3775662.34 0.00034
461369.19 3775662.34 0.00054 461469.19
3775662.34 0.00117
461519.19 3775662.34 0.00116 461569.19
3775662.34 0.00115
461619.19 3775662.34 0.00115 461669.19
3775662.34 0.00117
461719.19 3775662.34 0.00118 461769.19
3775662.34 0.00119
461819.19 3775662.34 0.00120 461869.19
3775662.34 0.00120
461919.19 3775662.34 0.00120 461969.19

3775662.34   0.00121
         462019.19   3775662.34   0.00123   462069.19
3775662.34   0.00122
         462119.19   3775662.34   0.00123   462169.19
3775662.34   0.00124
         462219.19   3775662.34   0.00126   462269.19
3775662.34   0.00128

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0034389   , L0034390
 , L0034391   , L0034392   , L0034393   ,
                 L0034394   , L0034395   , L0034396   , L0034397   , L0034398
 , L0034399   , L0034400   , L0034401   ,
                 L0034402   , L0034403   , L0034404   , L0034405   , L0034406
 , L0034407   , L0034408   , L0034409   ,
                 L0034410   , L0034411   , L0034412   , L0034413   , L0034414
 , L0034415   , L0034416   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

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         462919.19    3775662.34        0.00134                        462969.19
3775662.34        0.00136
         463019.19    3775662.34        0.00136                        461369.19
3775912.34        0.00095
         461146.60    3775743.55        0.00018                        464042.43
3776049.67        0.00086
         463968.06    3776150.13        0.00034                        463914.57
3776284.52        0.00017
         464138.68    3776345.34        0.00016                        464188.68
3776345.34        0.00016
         464238.68    3776345.34        0.00014                        464288.68
3776345.34        0.00014
         464338.68    3776345.34        0.00014                        464388.68
3776345.34        0.00013
         464438.68    3776345.34        0.00013                        464488.68
3776345.34        0.00012
         464538.68    3776345.34        0.00011                        464588.68
3776345.34        0.00011
         464138.68    3776395.34        0.00014                        464188.68
3776395.34        0.00014
         464238.68    3776395.34        0.00013                        464288.68
3776395.34        0.00012
         464338.68    3776395.34        0.00012                        464388.68
3776395.34        0.00012
         464438.68    3776395.34        0.00012                        464488.68
3776395.34        0.00011
         464538.68    3776395.34        0.00011                        464588.68
3776395.34        0.00010
         464138.68    3776445.34        0.00013                        464188.68
3776445.34        0.00012
         464238.68    3776445.34        0.00011                        464288.68
3776445.34        0.00011
         464338.68    3776445.34        0.00011                        464388.68
3776445.34        0.00011
         464438.68    3776445.34        0.00011                        464488.68
3776445.34        0.00010
         464538.68    3776445.34        0.00010                        464588.68
3776445.34        0.00010
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                            ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        15:24:12

                                    PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
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Olive Grove Warehouse_2010.ADO
INCLUDING SOURCE(S): L0034389 , L0034390
, L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398
, L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406
, L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414
, L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463437.12	3775314.91	0.00048	(13071606)	463487.12	3775314.91	0.00048	(13071606)
463537.12	3775314.91	0.00049	(13071606)	463587.12	3775314.91	0.00050	(13071606)
463637.12	3775314.91	0.00050	(13071606)	463687.12	3775314.91	0.00055	(16012717)
463737.12	3775314.91	0.00074	(16012717)	463787.12	3775314.91	0.00095	(16012717)
463837.12	3775314.91	0.00111	(16012717)	463887.12	3775314.91	0.00113	(16012717)
463937.12	3775314.91	0.00097	(16012717)	463987.12	3775314.91	0.00067	(16012717)
464037.12	3775314.91	0.00056	(15021020)	464087.12	3775314.91	0.00067	(13041207)
464137.12	3775314.91	0.00086	(13041207)	464187.12	3775314.91	0.00092	(13041207)
464237.12	3775314.91	0.00082	(13041207)	464287.12	3775314.91	0.00063	(13041207)
464337.12	3775314.91	0.00042	(11032319)	463437.12	3775364.91	0.00055	(11092608)
463487.12	3775364.91	0.00054	(13071606)	463537.12	3775364.91	0.00055	(13071606)
463587.12	3775364.91	0.00056	(13071606)	463637.12	3775364.91	0.00057	(13071606)
463687.12	3775364.91	0.00058	(13071606)	463737.12	3775364.91	0.00076	(16012717)
463787.12	3775364.91	0.00101	(16012717)	463837.12	3775364.91	0.00124	(16012717)
463887.12	3775364.91	0.00134	(16012717)	463937.12			

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3775364.91        0.00121  (16012717)
       463987.12   3775364.91        0.00088  (16012717)              464037.12
3775364.91        0.00064  (15021020)
       464087.12   3775364.91        0.00087  (13041207)              464137.12
3775364.91        0.00107  (13041207)
       464187.12   3775364.91        0.00107  (13041207)              464237.12
3775364.91        0.00089  (13041207)
       464287.12   3775364.91        0.00063  (13041207)              464337.12
3775364.91        0.00046  (12030320)
       463437.12   3775414.91        0.00065  (11092608)              463487.12
3775414.91        0.00067  (11092608)
       463537.12   3775414.91        0.00067  (11092608)              463587.12
3775414.91        0.00064  (11092608)
       463637.12   3775414.91        0.00065  (13071606)              463687.12
3775414.91        0.00067  (13071606)
       463737.12   3775414.91        0.00077  (16012717)              463787.12
3775414.91        0.00107  (16012717)
       463837.12   3775414.91        0.00139  (16012717)              463887.12
3775414.91        0.00160  (16012717)
       463937.12   3775414.91        0.00153  (16012717)              463987.12
3775414.91        0.00116  (16012717)
       464037.12   3775414.91        0.00079  (13041207)              464087.12
3775414.91        0.00114  (13041207)
       464137.12   3775414.91        0.00133  (13041207)              464187.12
3775414.91        0.00123  (13041207)
       464237.12   3775414.91        0.00093  (13041207)              464287.12
3775414.91        0.00059  (13041207)
       463437.12   3775464.91        0.00074  (11092608)              463487.12
3775464.91        0.00079  (11092608)
       463537.12   3775464.91        0.00084  (11092608)              463587.12
3775464.91        0.00086  (11092608)
       463637.12   3775464.91        0.00084  (11092608)              463687.12
3775464.91        0.00078  (13071606)
       463737.12   3775464.91        0.00081  (13071606)              463787.12
3775464.91        0.00112  (16012717)
       463837.12   3775464.91        0.00154  (16012717)              463887.12
3775464.91        0.00190  (16012717)
       463937.12   3775464.91        0.00196  (16012717)              463987.12
3775464.91        0.00157  (16012717)
       464037.12   3775464.91        0.00108  (13041207)              464087.12
3775464.91        0.00153  (13041207)
       464137.12   3775464.91        0.00165  (13041207)              464187.12
3775464.91        0.00137  (13041207)
       464237.12   3775464.91        0.00094  (13041207)              464287.12
3775464.91        0.00061  (12030320)
       463437.12   3775514.91        0.00085  (13071606)              463487.12
3775514.91        0.00092  (11092608)
       463537.12   3775514.91        0.00101  (11092608)              463587.12
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3775514.91 0.00108 (11092608)
463637.12 3775514.91 0.00114 (11092608) 463687.12
3775514.91 0.00115 (11092608)
*** AERMOD - VERSION 21112 *** *** Olive Ave Operations - Mitigatied
*** 09/08/21
*** AERMET - VERSION 16216 *** ***
*** 15:24:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463737.12	3775514.91	0.00109	(11092608)	463787.12	3775514.91	0.00119	(16012717)
463837.12	3775514.91	0.00170	(16012717)	463887.12	3775514.91	0.00225	(16012717)
463937.12	3775514.91	0.00253	(16012717)	463987.12	3775514.91	0.00220	(16012717)
464037.12	3775514.91	0.00156	(13041207)	464087.12	3775514.91	0.00210	(13041207)
464137.12	3775514.91	0.00201	(13041207)	464187.12	3775514.91	0.00149	(13041207)
464237.12	3775514.91	0.00090	(13041207)	463437.12	3775564.91	0.00108	(13071606)
463487.12	3775564.91	0.00110	(11092608)	463537.12	3775564.91	0.00122	(11092608)
463587.12	3775564.91	0.00134	(11092608)	463637.12	3775564.91	0.00147	(11092608)

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       463687.12   3775564.91        0.00158  (11092608)              463737.12
3775564.91        0.00164  (11092608)
       463787.12   3775564.91        0.00161  (11092608)              463837.12
3775564.91        0.00191  (16012717)
       463887.12   3775564.91        0.00270  (16012717)              463937.12
3775564.91        0.00331  (16012717)
       463987.12   3775564.91        0.00321  (16012717)              464037.12
3775564.91        0.00240  (13041207)
       464087.12   3775564.91        0.00293  (13041207)              464137.12
3775564.91        0.00238  (13041207)
       464187.12   3775564.91        0.00154  (13041207)              464237.12
3775564.91        0.00086  (15012308)
       463437.12   3775614.91        0.00159  (13071606)              463487.12
3775614.91        0.00161  (13071606)
       463537.12   3775614.91        0.00169  (11092608)              463587.12
3775614.91        0.00185  (11092608)
       463637.12   3775614.91        0.00203  (11092608)              463687.12
3775614.91        0.00223  (11092608)
       463737.12   3775614.91        0.00243  (11092608)              463787.12
3775614.91        0.00259  (11092608)
       463837.12   3775614.91        0.00266  (11092608)              463887.12
3775614.91        0.00343  (16012717)
       463937.12   3775614.91        0.00454  (16012717)              463987.12
3775614.91        0.00495  (16012717)
       464037.12   3775614.91        0.00413  (13041207)              464087.12
3775614.91        0.00407  (13041207)
       464137.12   3775614.91        0.00272  (13041207)              464187.12
3775614.91        0.00154  (13041207)
       464237.12   3775614.91        0.00098  (12101804)              463437.12
3775664.91        0.00432  (13071606)
       463487.12   3775664.91        0.00438  (13071606)              463537.12
3775664.91        0.00448  (13071606)
       463587.12   3775664.91        0.00454  (13071606)              463637.12
3775664.91        0.00459  (13071606)
       463687.12   3775664.91        0.00479  (11092608)              463737.12
3775664.91        0.00510  (11092608)
       463787.12   3775664.91        0.00550  (11092608)              463837.12
3775664.91        0.00595  (11092608)
       463887.12   3775664.91        0.00630  (11092608)              463937.12
3775664.91        0.00736  (16012717)
       463987.12   3775664.91        0.00817  (16012717)              464037.12
3775664.91        0.01030  (16012717)
       464087.12   3775664.91        0.00505  (13041207)              464137.12
3775664.91        0.00318  (13041207)
       464187.12   3775664.91        0.00143  (13041207)              464237.12
3775664.91        0.00122  (13111916)
       464537.12   3775764.91        0.00071  (11061807)              464587.12
3775764.91        0.00062  (11061807)
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       464487.12   3775814.91        0.00077  (15102517)               464537.12
 3775814.91        0.00065  (11061807)
       464587.12   3775814.91        0.00057  (11032818)               464437.12
 3775864.91        0.00117  (15102517)
       464487.12   3775864.91        0.00097  (15102517)               464537.12
 3775864.91        0.00081  (15102517)
       464587.12   3775864.91        0.00069  (15102517)               464437.12
 3775914.91        0.00129  (15102517)
       464487.12   3775914.91        0.00109  (15102517)               464537.12
 3775914.91        0.00093  (15102517)
       464587.12   3775914.91        0.00080  (15102517)               464437.12
 3775964.91        0.00126  (15102517)
       464487.12   3775964.91        0.00110  (15102517)               464537.12
 3775964.91        0.00097  (15102517)
       464587.12   3775964.91        0.00085  (15102517)               464437.12
 3776014.91        0.00111  (15102517)
♠ *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:24:12

                                    PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                 L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       464487.12   3776014.91        0.00101  (15102517)               464537.12
 3776014.91        0.00091  (15102517)
       464587.12   3776014.91        0.00082  (15102517)               464437.12
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3776064.91        0.00088  (15102517)
       464487.12   3776064.91        0.00083  (15102517)                464537.12
3776064.91        0.00078  (15102517)
       464587.12   3776064.91        0.00073  (15102517)                464437.12
3776114.91        0.00069  (11060807)
       464487.12   3776114.91        0.00063  (15102517)                464537.12
3776114.91        0.00062  (15102517)
       464587.12   3776114.91        0.00060  (15102517)                464437.12
3776164.91        0.00064  (11091107)
       464487.12   3776164.91        0.00058  (11060807)                464537.12
3776164.91        0.00053  (11060807)
       464587.12   3776164.91        0.00047  (15102517)                464437.12
3776214.91        0.00059  (11091107)
       464487.12   3776214.91        0.00054  (11091107)                464537.12
3776214.91        0.00049  (11060807)
       464587.12   3776214.91        0.00046  (11060807)                464437.12
3776264.91        0.00052  (11062019)
       464487.12   3776264.91        0.00050  (11091107)                464537.12
3776264.91        0.00047  (11091107)
       464587.12   3776264.91        0.00042  (11091107)                464237.12
3776314.91        0.00073  (12022722)
       464287.12   3776314.91        0.00066  (13060120)                464337.12
3776314.91        0.00061  (16042221)
       464387.12   3776314.91        0.00056  (12083019)                464437.12
3776314.91        0.00050  (11040803)
       464487.12   3776314.91        0.00044  (15100407)                464537.12
3776314.91        0.00043  (11091107)
       464587.12   3776314.91        0.00041  (11091107)                463056.48
3775313.51        0.00045  (13071606)
       463106.48   3775313.51        0.00045  (13071606)                463156.48
3775313.51        0.00045  (13071606)
       463206.48   3775313.51        0.00045  (13071606)                463256.48
3775313.51        0.00046  (13071606)
       463306.48   3775313.51        0.00046  (13071606)                463356.48
3775313.51        0.00047  (13071606)
       463406.48   3775313.51        0.00047  (13071606)                463056.48
3775363.51        0.00050  (13071606)
       463106.48   3775363.51        0.00050  (13071606)                463156.48
3775363.51        0.00050  (13071606)
       463206.48   3775363.51        0.00051  (13071606)                463256.48
3775363.51        0.00051  (13071606)
       463306.48   3775363.51        0.00052  (13071606)                463356.48
3775363.51        0.00053  (11092608)
       463406.48   3775363.51        0.00054  (11092608)                463056.48
3775413.51        0.00056  (13071606)
       463106.48   3775413.51        0.00056  (13071606)                463156.48
3775413.51        0.00057  (13071606)
       463206.48   3775413.51        0.00057  (13071606)                463256.48
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 3775413.51        0.00058  (13071606)
       463306.48   3775413.51        0.00059  (13071606)                463356.48
 3775413.51        0.00059  (13071606)
       463406.48   3775413.51        0.00063  (11092608)                463056.48
 3775463.51        0.00065  (13071606)
       463106.48   3775463.51        0.00065  (13071606)                463156.48
 3775463.51        0.00066  (13071606)
       463206.48   3775463.51        0.00066  (13071606)                463256.48
 3775463.51        0.00067  (13071606)
       463306.48   3775463.51        0.00068  (13071606)                463356.48
 3775463.51        0.00069  (13071606)
       463406.48   3775463.51        0.00070  (11092608)                463056.48
 3775513.51        0.00078  (13071606)
       463106.48   3775513.51        0.00079  (13071606)                463156.48
 3775513.51        0.00079  (13071606)
       463206.48   3775513.51        0.00080  (13071606)                463256.48
 3775513.51        0.00080  (13071606)
       463306.48   3775513.51        0.00081  (13071606)                463356.48
 3775513.51        0.00082  (13071606)
       463406.48   3775513.51        0.00083  (13071606)                463056.48
 3775563.51        0.00100  (13071606)
       463106.48   3775563.51        0.00100  (13071606)                463156.48
 3775563.51        0.00101  (13071606)
       463206.48   3775563.51        0.00102  (13071606)                463256.48
 3775563.51        0.00103  (13071606)
       463306.48   3775563.51        0.00104  (13071606)                463356.48
 3775563.51        0.00105  (13071606)
       463406.48   3775563.51        0.00106  (13071606)                463056.48
 3775613.51        0.00148  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:24:12

                                    PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                 L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463106.48	3775613.51	0.00147	(13071606)	463156.48	3775613.51	0.00148	(13071606)
463206.48	3775613.51	0.00149	(13071606)	463256.48	3775613.51	0.00150	(13071606)
463306.48	3775613.51	0.00151	(13071606)	463356.48	3775613.51	0.00153	(13071606)
463406.48	3775613.51	0.00155	(13071606)	463056.48	3775663.51	0.00384	(13071606)
463106.48	3775663.51	0.00382	(13071606)	463156.48	3775663.51	0.00384	(13071606)
463206.48	3775663.51	0.00386	(13071606)	463256.48	3775663.51	0.00387	(13071606)
463306.48	3775663.51	0.00390	(13071606)	463356.48	3775663.51	0.00395	(13071606)
463406.48	3775663.51	0.00403	(13071606)	461019.19	3775312.34	0.00026	(16012717)
461069.19	3775312.34	0.00030	(16012717)	461119.19	3775312.34	0.00035	(16012717)
461169.19	3775312.34	0.00041	(16012717)	461219.19	3775312.34	0.00046	(16012717)
461269.19	3775312.34	0.00049	(16012717)	461319.19	3775312.34	0.00048	(16012717)
461369.19	3775312.34	0.00042	(16012717)	461469.19	3775312.34	0.00040	(15032602)
461519.19	3775312.34	0.00041	(15021020)	461569.19	3775312.34	0.00044	(13041207)
461619.19	3775312.34	0.00049	(13041207)	461669.19	3775312.34	0.00050	(13041207)
461719.19	3775312.34	0.00048	(13041207)	461769.19	3775312.34	0.00045	(13041207)
461819.19	3775312.34	0.00042	(13041207)	461869.19	3775312.34	0.00042	(13071606)
461919.19	3775312.34	0.00043	(13071606)	461969.19	3775312.34	0.00043	(13071606)
462019.19	3775312.34	0.00043	(13071606)	462069.19	3775312.34	0.00043	(13071606)
462119.19	3775312.34	0.00043	(13071606)	462169.19	3775312.34	0.00043	(13071606)

462219.19 3775312.34 0.00043 (13071606) 462269.19 3775312.34 0.00043 (13071606)
462319.19 3775312.34 0.00043 (13071606) 462369.19 3775312.34 0.00043 (13071606)
462419.19 3775312.34 0.00043 (13071606) 462469.19 3775312.34 0.00043 (13071606)
462519.19 3775312.34 0.00043 (13071606) 462569.19 3775312.34 0.00043 (13071606)
462619.19 3775312.34 0.00043 (13071606) 462669.19 3775312.34 0.00043 (13071606)
462719.19 3775312.34 0.00043 (13071606) 462769.19 3775312.34 0.00044 (13071606)
462819.19 3775312.34 0.00044 (13071606) 462869.19 3775312.34 0.00044 (13071606)
462919.19 3775312.34 0.00044 (13071606) 462969.19 3775312.34 0.00044 (13071606)
463019.19 3775312.34 0.00044 (13071606) 461019.19 3775362.34 0.00027 (13112718)
461069.19 3775362.34 0.00031 (16012717) 461119.19 3775362.34 0.00036 (16012717)
461169.19 3775362.34 0.00043 (16012717) 461219.19 3775362.34 0.00050 (16012717)
461269.19 3775362.34 0.00055 (16012717) 461319.19 3775362.34 0.00056 (16012717)
461369.19 3775362.34 0.00051 (16012717) 461469.19 3775362.34 0.00044 (15032519)
461519.19 3775362.34 0.00045 (15021020) 461569.19 3775362.34 0.00054 (13041207)
461619.19 3775362.34 0.00058 (13041207) 461669.19 3775362.34 0.00056 (13041207)
461719.19 3775362.34 0.00053 (13041207) 461769.19 3775362.34 0.00049 (13041207)
461819.19 3775362.34 0.00047 (13071606) 461869.19 3775362.34 0.00048 (13071606)
461919.19 3775362.34 0.00048 (13071606) 461969.19 3775362.34 0.00048 (13071606)
462019.19 3775362.34 0.00048 (13071606) 462069.19 3775362.34 0.00048 (13071606)
462119.19 3775362.34 0.00048 (13071606) 462169.19 3775362.34 0.00048 (13071606)
462219.19 3775362.34 0.00048 (13071606) 462269.19 3775362.34 0.00048 (13071606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775362.34	0.00048	(13071606)	462369.19	3775362.34	0.00048	(13071606)
462419.19	3775362.34	0.00048	(13071606)	462469.19	3775362.34	0.00048	(13071606)
462519.19	3775362.34	0.00048	(13071606)	462569.19	3775362.34	0.00048	(13071606)
462619.19	3775362.34	0.00048	(13071606)	462669.19	3775362.34	0.00048	(13071606)
462719.19	3775362.34	0.00048	(13071606)	462769.19	3775362.34	0.00049	(13071606)
462819.19	3775362.34	0.00049	(13071606)	462869.19	3775362.34	0.00049	(13071606)
462919.19	3775362.34	0.00049	(13071606)	462969.19	3775362.34	0.00049	(13071606)
463019.19	3775362.34	0.00049	(13071606)	461019.19	3775412.34	0.00031	(13112719)
461069.19	3775412.34	0.00031	(11050122)	461119.19	3775412.34	0.00037	(16012717)
461169.19	3775412.34	0.00044	(16012717)	461219.19	3775412.34	0.00053	(16012717)
461269.19	3775412.34	0.00062	(16012717)	461319.19	3775412.34	0.00066	(16012717)
461369.19	3775412.34	0.00062	(16012717)	461469.19	3775412.34	0.00050	(15032519)
461519.19	3775412.34	0.00057	(13041207)	461569.19			

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3775412.34        0.00067  (13041207)
       461619.19   3775412.34        0.00068  (13041207)                461669.19
3775412.34        0.00063  (13041207)
       461719.19   3775412.34        0.00058  (13041207)                461769.19
3775412.34        0.00055  (13041207)
       461819.19   3775412.34        0.00054  (13071606)                461869.19
3775412.34        0.00054  (13071606)
       461919.19   3775412.34        0.00054  (13071606)                461969.19
3775412.34        0.00054  (13071606)
       462019.19   3775412.34        0.00054  (13071606)                462069.19
3775412.34        0.00054  (13071606)
       462119.19   3775412.34        0.00054  (13071606)                462169.19
3775412.34        0.00054  (13071606)
       462219.19   3775412.34        0.00054  (13071606)                462269.19
3775412.34        0.00054  (13071606)
       462319.19   3775412.34        0.00054  (13071606)                462369.19
3775412.34        0.00054  (13071606)
       462419.19   3775412.34        0.00055  (13071606)                462469.19
3775412.34        0.00055  (13071606)
       462519.19   3775412.34        0.00055  (13071606)                462569.19
3775412.34        0.00055  (13071606)
       462619.19   3775412.34        0.00055  (13071606)                462669.19
3775412.34        0.00055  (13071606)
       462719.19   3775412.34        0.00055  (13071606)                462769.19
3775412.34        0.00055  (13071606)
       462819.19   3775412.34        0.00055  (13071606)                462869.19
3775412.34        0.00055  (13071606)
       462919.19   3775412.34        0.00055  (13071606)                462969.19
3775412.34        0.00056  (13071606)
       463019.19   3775412.34        0.00056  (13071606)                461019.19
3775462.34        0.00034  (13112719)
       461069.19   3775462.34        0.00036  (13112719)                461119.19
3775462.34        0.00037  (16012717)
       461169.19   3775462.34        0.00045  (16012717)                461219.19
3775462.34        0.00055  (16012717)
       461269.19   3775462.34        0.00068  (16012717)                461319.19
3775462.34        0.00078  (16012717)
       461369.19   3775462.34        0.00077  (16012717)                461469.19
3775462.34        0.00057  (15032519)
       461519.19   3775462.34        0.00077  (13041207)                461569.19
3775462.34        0.00083  (13041207)
       461619.19   3775462.34        0.00078  (13041207)                461669.19
3775462.34        0.00072  (13041207)
       461719.19   3775462.34        0.00066  (13041207)                461769.19
3775462.34        0.00063  (13071606)
       461819.19   3775462.34        0.00063  (13071606)                461869.19
3775462.34        0.00063  (13071606)
       461919.19   3775462.34        0.00063  (13071606)                461969.19
```

3775462.34 0.00063 (13071606)
462019.19 3775462.34 0.00063 (13071606) 462069.19
3775462.34 0.00063 (13071606)
462119.19 3775462.34 0.00063 (13071606) 462169.19
3775462.34 0.00063 (13071606)
462219.19 3775462.34 0.00063 (13071606) 462269.19
3775462.34 0.00063 (13071606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0034389 , L0034390 , L0034391 , L0034392 , L0034393 ,
L0034394 , L0034395 , L0034396 , L0034397 , L0034398 , L0034399 , L0034400 , L0034401 ,
L0034402 , L0034403 , L0034404 , L0034405 , L0034406 , L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414 , L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775462.34	0.00063	(13071606)	462369.19	3775462.34	0.00063	(13071606)
462419.19	3775462.34	0.00063	(13071606)	462469.19	3775462.34	0.00063	(13071606)
462519.19	3775462.34	0.00063	(13071606)	462569.19	3775462.34	0.00063	(13071606)
462619.19	3775462.34	0.00063	(13071606)	462669.19	3775462.34	0.00064	(13071606)
462719.19	3775462.34	0.00064	(13071606)	462769.19	3775462.34	0.00064	(13071606)
462819.19	3775462.34	0.00064	(13071606)	462869.19	3775462.34	0.00064	(13071606)

462919.19 3775462.34 0.00064 (13071606) 462969.19 3775462.34 0.00064 (13071606)
463019.19 3775462.34 0.00065 (13071606) 461019.19 3775512.34 0.00039 (13112717)
461069.19 3775512.34 0.00041 (13112717) 461119.19 3775512.34 0.00042 (13112717)
461169.19 3775512.34 0.00045 (16012717) 461219.19 3775512.34 0.00057 (16012717)
461269.19 3775512.34 0.00073 (16012717) 461319.19 3775512.34 0.00091 (16012717)
461369.19 3775512.34 0.00099 (16012717) 461469.19 3775512.34 0.00080 (13041207)
461519.19 3775512.34 0.00104 (13041207) 461569.19 3775512.34 0.00102 (13041207)
461619.19 3775512.34 0.00091 (13041207) 461669.19 3775512.34 0.00083 (13041207)
461719.19 3775512.34 0.00077 (13041207) 461769.19 3775512.34 0.00076 (13071606)
461819.19 3775512.34 0.00076 (13071606) 461869.19 3775512.34 0.00076 (13071606)
461919.19 3775512.34 0.00076 (13071606) 461969.19 3775512.34 0.00076 (13071606)
462019.19 3775512.34 0.00076 (13071606) 462069.19 3775512.34 0.00076 (13071606)
462119.19 3775512.34 0.00076 (13071606) 462169.19 3775512.34 0.00076 (13071606)
462219.19 3775512.34 0.00076 (13071606) 462269.19 3775512.34 0.00076 (13071606)
462319.19 3775512.34 0.00076 (13071606) 462369.19 3775512.34 0.00076 (13071606)
462419.19 3775512.34 0.00076 (13071606) 462469.19 3775512.34 0.00076 (13071606)
462519.19 3775512.34 0.00076 (13071606) 462569.19 3775512.34 0.00076 (13071606)
462619.19 3775512.34 0.00076 (13071606) 462669.19 3775512.34 0.00076 (13071606)
462719.19 3775512.34 0.00076 (13071606) 462769.19 3775512.34 0.00077 (13071606)
462819.19 3775512.34 0.00077 (13071606) 462869.19 3775512.34 0.00077 (13071606)
462919.19 3775512.34 0.00077 (13071606) 462969.19 3775512.34 0.00077 (13071606)
463019.19 3775512.34 0.00078 (13071606) 461019.19 3775562.34 0.00043 (15112623)
461069.19 3775562.34 0.00045 (13112717) 461119.19 3775562.34 0.00047 (13112717)
461169.19 3775562.34 0.00049 (13112717) 461219.19 3775562.34 0.00058 (16012717)

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       461269.19   3775562.34        0.00076  (16012717)               461319.19
 3775562.34        0.00104  (16012717)
       461369.19   3775562.34        0.00132  (16012717)               461469.19
 3775562.34        0.00128  (13041207)
       461519.19   3775562.34        0.00142  (13041207)               461569.19
 3775562.34        0.00125  (13041207)
       461619.19   3775562.34        0.00111  (13041207)               461669.19
 3775562.34        0.00103  (13041207)
       461719.19   3775562.34        0.00098  (13071606)               461769.19
 3775562.34        0.00098  (13071606)
       461819.19   3775562.34        0.00098  (13071606)               461869.19
 3775562.34        0.00098  (13071606)
       461919.19   3775562.34        0.00097  (13071606)               461969.19
 3775562.34        0.00097  (13071606)
       462019.19   3775562.34        0.00097  (13071606)               462069.19
 3775562.34        0.00097  (13071606)
       462119.19   3775562.34        0.00097  (13071606)               462169.19
 3775562.34        0.00097  (13071606)
       462219.19   3775562.34        0.00097  (13071606)               462269.19
 3775562.34        0.00097  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                           ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                           ***        15:24:12

                                    PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
 , L0034407    , L0034408    , L0034409    ,
                 L0034410    , L0034411    , L0034412    , L0034413    , L0034414
 , L0034415    , L0034416    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 3775612.34        0.00144  (13071606)
       462719.19   3775612.34        0.00143  (13071606)                462769.19
 3775612.34        0.00144  (13071606)
       462819.19   3775612.34        0.00143  (13071606)                462869.19
 3775612.34        0.00143  (13071606)
       462919.19   3775612.34        0.00144  (13071606)                462969.19
 3775612.34        0.00145  (13071606)
       463019.19   3775612.34        0.00146  (13071606)                461019.19
 3775662.34        0.00051  (16092603)
       461069.19   3775662.34        0.00054  (16092603)                461119.19
 3775662.34        0.00059  (16092603)
       461169.19   3775662.34        0.00064  (16092603)                461219.19
 3775662.34        0.00072  (16092603)
       461269.19   3775662.34        0.00082  (16092603)                461319.19
 3775662.34        0.00120  (16012717)
       461369.19   3775662.34        0.00215  (16012717)                461469.19
 3775662.34        0.00426  (13041207)
       461519.19   3775662.34        0.00346  (13041207)                461569.19
 3775662.34        0.00313  (13041207)
       461619.19   3775662.34        0.00312  (13071606)                461669.19
 3775662.34        0.00315  (13071606)
       461719.19   3775662.34        0.00317  (13071606)                461769.19
 3775662.34        0.00319  (13071606)
       461819.19   3775662.34        0.00322  (13071606)                461869.19
 3775662.34        0.00323  (13071606)
       461919.19   3775662.34        0.00325  (13071606)                461969.19
 3775662.34        0.00328  (13071606)
       462019.19   3775662.34        0.00332  (13071606)                462069.19
 3775662.34        0.00332  (13071606)
       462119.19   3775662.34        0.00334  (13071606)                462169.19
 3775662.34        0.00334  (13071606)
       462219.19   3775662.34        0.00338  (13071606)                462269.19
 3775662.34        0.00343  (13071606)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:24:12

                                    PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0034389    , L0034390
 , L0034391    , L0034392    , L0034393    ,
                 L0034394    , L0034395    , L0034396    , L0034397    , L0034398
 , L0034399    , L0034400    , L0034401    ,
                 L0034402    , L0034403    , L0034404    , L0034405    , L0034406
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, L0034407 , L0034408 , L0034409 ,
L0034410 , L0034411 , L0034412 , L0034413 , L0034414
, L0034415 , L0034416 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775662.34	0.00346	(13071606)	462369.19	3775662.34	0.00351	(13071606)
462419.19	3775662.34	0.00355	(13071606)	462469.19	3775662.34	0.00359	(13071606)
462519.19	3775662.34	0.00364	(13071606)	462569.19	3775662.34	0.00366	(13071606)
462619.19	3775662.34	0.00366	(13071606)	462669.19	3775662.34	0.00365	(13071606)
462719.19	3775662.34	0.00363	(13071606)	462769.19	3775662.34	0.00362	(13071606)
462819.19	3775662.34	0.00360	(13071606)	462869.19	3775662.34	0.00360	(13071606)
462919.19	3775662.34	0.00362	(13071606)	462969.19	3775662.34	0.00365	(13071606)
463019.19	3775662.34	0.00366	(13071606)	461369.19	3775912.34	0.00280	(16012717)
461146.60	3775743.55	0.00068	(11030302)	464042.43	3776049.67	0.00256	(16082607)
463968.06	3776150.13	0.00156	(11120920)	463914.57	3776284.52	0.00142	(15013122)
464138.68	3776345.34	0.00054	(16101607)	464188.68	3776345.34	0.00055	(16101607)
464238.68	3776345.34	0.00072	(12022722)	464288.68	3776345.34	0.00070	(16021808)
464338.68	3776345.34	0.00069	(16062720)	464388.68	3776345.34	0.00062	(11062320)
464438.68	3776345.34	0.00057	(11040824)	464488.68	3776345.34	0.00045	(11062019)
464538.68	3776345.34	0.00045	(11062019)	464588.68	3776345.34	0.00039	(15101019)
464138.68	3776395.34	0.00048	(11090505)	464188.68	3776395.34	0.00050	(16101607)
464238.68	3776395.34	0.00076	(12082203)	464288.68	3776395.34	0.00075	(16021808)

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       464338.68   3776395.34        0.00077  (11091920)                464388.68
 3776395.34        0.00069  (16062720)
       464438.68   3776395.34        0.00065  (11011917)                464488.68
 3776395.34        0.00050  (11040824)
       464538.68   3776395.34        0.00054  (11062019)                464588.68
 3776395.34        0.00052  (11062019)
       464138.68   3776445.34        0.00044  (12090923)                464188.68
 3776445.34        0.00045  (16101607)
       464238.68   3776445.34        0.00079  (12082203)                464288.68
 3776445.34        0.00077  (15020819)
       464338.68   3776445.34        0.00078  (11091920)                464388.68
 3776445.34        0.00076  (16062720)
       464438.68   3776445.34        0.00071  (16062720)                464488.68
 3776445.34        0.00060  (11011917)
       464538.68   3776445.34        0.00063  (11090419)                464588.68
 3776445.34        0.00061  (11062019)
 *** AERMOD - VERSION 21112  ***   *** Olive Ave Operations - Mitigatied
                          ***        09/08/21
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:24:12

                                   PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
               **


                         NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.00235 AT (  463987.12,  3775664.91,
417.53,   417.53,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00234 AT (  464037.12,  3775664.91,
417.30,   417.30,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00219 AT (  463937.12,  3775664.91,
417.86,   417.86,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00204 AT (  463887.12,  3775664.91,
418.38,   418.38,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00192 AT (  463837.12,  3775664.91,
418.61,   418.61,    0.00)  DC
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          6TH HIGHEST VALUE IS       0.00182 AT (  463787.12,  3775664.91,
418.70,   418.70,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00176 AT (  463737.12,  3775664.91,
419.04,   419.04,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00171 AT (  463687.12,  3775664.91,
419.43,   419.43,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00169 AT (  463637.12,  3775664.91,
419.87,   419.87,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00167 AT (  463587.12,  3775664.91,
420.28,   420.28,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
               **

                                                        DATE
                                          NETWORK
GROUP ID                             AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.01030  ON 16012717: AT (  464037.12,
3775664.91,   417.30,   417.30,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   61 Warning Message(s)
A Total of   838 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   40 Calm Hours Identified

A Total of   798 Missing Hours Identified (1.82 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   3774   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3775   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3776   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3777   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3778   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3779   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3780   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3781   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3782   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3783   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320   3784   VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT

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SO W320    3785        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3786        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3787        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3788        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3789        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3790        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3791        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3792        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3793        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3794        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3795        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3796        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3797        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3798        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3799        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3800        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3801        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3802        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3803        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3804        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3805        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3806        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3807        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3808        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
```

```
SO W320    3809        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3810        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3811        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3812        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3813        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3814        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3815        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3816        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3817        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3818        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3819        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3820        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3821        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3822        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3823        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3824        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3825        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3826        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
SO W320    3827        VPARM: Input Parameter May Be Out-of-Range for Parameter
   SZINIT
ME W186    6934       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187    6934       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
 12113003
```

```
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
  15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

HARP2 - HRACalc (dated 21081) 9/10/2021 9:09:54 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

```
**Worker Adjustment Factors**
Worker adjustment factors enabled: NO

**Fraction at time at home**
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

**********
TIER 2 SETTINGS
Tier2 not used.

**********

Calculating cancer risk
Cancer risk saved to: K:\ORA_AQN\195195001 - Olive Grove Industrial Rialto\5
HRA\Models\Risk Calcs\HARP2\Operations\Olive-Ops-Truck-MM_CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: K:\ORA_AQN\195195001 - Olive Grove Industrial Rialto\5
HRA\Models\Risk Calcs\HARP2\Operations\Olive-Ops-Truck-MM_NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: K:\ORA_AQN\195195001 - Olive Grove Industrial Rialto\5
HRA\Models\Risk Calcs\HARP2\Operations\Olive-Ops-Truck-MM_NCAcuteRisk.csv
HRA ran successfully
```

*HARP - HRACalc v21081 9/10/2021 9:09:54 AM - Cancer Risk - Input File: K:\ORA_AQN\195195001 - Olive Grove Industrial Rialto\5 HRA\Models\Risk Calcs\HARP2\Operations\Olive-Ops-Truck-MM_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI
1			9901	DieselExhPM	0.00235	2.03E-06	30YrCancerDerived_Inh_FAH16to70	*	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	30YrCancerDerived_Inh_FAH16to70	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v21081 9/10/2021 9:09:54 AM - Chronic Risk - Input File: K:\ORA_AQN\195195001 - Olive Grove Industrial Rialto\5 HRA\Models\Risk Calcs\HARP2\Operations\Olive-Ops-Truck-MM_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO
1			9901	DieselExhPM	0.00235	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v21081 9/10/2021 9:09:54 AM - Acute Risk - Input File: K:\ORA_AQN\195195001 - Olive Grove Industrial Rialto\5 HRA\Models\Risk Calcs\HARP2\Operations\Olive-Ops-Truck-MM_HRAIn

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.0103	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03	0.00E+00	4.12E-03	0.00E+00	0.00E+00

Construction

PM_{10} Exhaust Onsite

Year	Tons/Year	g/s	Weighted On-Site Rate
2021	0.1099	0.003161	2.56E-03
2022	0.06105	0.001756	

PM_{10} Exhaust Off-Site

	Tons/Year	g/s	g/s per mile	Weighted Off-Site Rate
2021	0.00192	0.000055	8.00463E-06	1.16E-05
2022	3.90E-03	0.000112	1.62594E-05	

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
4th Street - I-15 SB Ramps to NB Ramps	283.10	0.18	1.16E-05	2.03E-06
4th Street - I-15 NB Ramps to Etiwanda Ave	1,771.70	1.10	1.16E-05	1.27E-05
Etiwanda Ave - I-10 to 4th Street	1,036.20	0.64	1.16E-05	7.44E-06
Etiwanda Ave - 4th Street to Napa Street	1,396.50	0.87	1.16E-05	1.00E-05
Etiwanda Ave - Napa Street to I-15	2,571.40	1.60	1.16E-05	1.85E-05
Napa Street - Etiwanda Ave to Bldg B	450.20	0.28	1.16E-05	3.23E-06
Napa Street - Bldg B to Bldg A	364.70	0.23	1.16E-05	2.62E-06

On-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2021	Site Prep	1.53E-02
2021	Grading	0.0745
2021	Construct	0.0201
		0
	Total	0.1099
2022	Construct	0.0364
2022	Paving	2.24E-02
2022	A Coating	2.25E-03
	Total	0.06105

Off-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2021	Site Prep	1.00E-05
2021	Grading	5.00E-05
2021	Construct	1.86E-03
		0
	Total	0.00192
2022	Construct	3.61E-03
2022	Paving	4.00E-05
2022	A Coating	2.50E-04
	Total	3.90E-03

Mitigated Construction

Mitigated PM_{10} Exhaust Onsite

Year	Tons/Year	g/s	Weighted On-Site Rate
2021	0.07047	0.002027	2.03E-03

Mitigated PM_{10} Exhaust Off-Site

	Tons/Year	g/s	g/s per mile	Weighted Off-Site Rate
2021	0.01361	0.000392	5.67412E-05	5.67E-05

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Directional Emission Rate (g/sec)
SR-210 WB Off-Ramp	454.70	0.28	5.67E-05	8.02E-06
SR-210 EB Off-Ramp	475.70	0.30	5.67E-05	8.39E-06
SR-210 WB On-Ramp	511.30	0.32	5.67E-05	9.01E-06
SR-210 EB On-Ramp	506.40	0.31	5.67E-05	8.93E-06
Alder Ave - SR-210 WB Ramps to SR-210 EB Ramps - SB	204.30	0.13	5.67E-05	3.60E-06
Alder Ave - SR-210 WB Ramps to SR-210 EB Ramps - NB	182.70	0.11	5.67E-05	3.22E-06
Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB	1,581.40	0.98	5.67E-05	2.79E-05
Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB	1,572.10	0.98	5.67E-05	2.77E-05
Baseline Rd - Alder Ave to Site Entrance - EB	2,643.00	1.64	5.67E-05	4.66E-05
Baseline Rd - Alder Ave to Site Entrance - WB	2,618.10	1.63	5.67E-05	4.62E-05
On-Site Construction Equipment	8,576.70	5.33	5.67E-05	3.02E-04

On-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2021	Site Prep	6.20E-04
2021	Grading	4.75E-03
2021	Construct	0.0356
2021	Paving	0.0295
		0
	Total	0.07047

Off-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2021	Site Prep	1.00E-05
2021	Grading	9.38E-03
2021	Construct	4.17E-03
2021	Paving	5.00E-05
		0
	Total	0.01361

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 1/16/2021
** File: C:\Lakes\AERMOD View\Olive Grove Rialto_construction\Olive Grove
Rialto_construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Olive Grove Rialto\Olive Grove Rialto.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 24 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Olive Grove Rialto_construction.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC SR-210 WB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.02E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 461873.459, 3777383.026, 457.74, 3.70, 1.67
** 461787.495, 3777390.972, 458.44, 3.70, 1.67
** 461705.865, 3777401.808, 459.35, 3.70, 1.67
```

```
** 461632.903, 3777420.590, 459.50, 3.70, 1.67
** 461572.223, 3777440.095, 461.28, 3.70, 1.67
** 461524.545, 3777453.098, 463.37, 3.70, 1.67
** 461427.022, 3777455.265, 465.48, 3.70, 1.67
** ------------------------------------------------------------------
   LOCATION L0039534     VOLUME   461871.667 3777383.191 457.49
   LOCATION L0039535     VOLUME   461868.082 3777383.523 457.53
   LOCATION L0039536     VOLUME   461864.497 3777383.854 457.58
   LOCATION L0039537     VOLUME   461860.912 3777384.186 457.63
   LOCATION L0039538     VOLUME   461857.328 3777384.517 457.68
   LOCATION L0039539     VOLUME   461853.743 3777384.848 457.73
   LOCATION L0039540     VOLUME   461850.158 3777385.180 457.75
   LOCATION L0039541     VOLUME   461846.574 3777385.511 457.77
   LOCATION L0039542     VOLUME   461842.989 3777385.842 457.78
   LOCATION L0039543     VOLUME   461839.404 3777386.174 457.80
   LOCATION L0039544     VOLUME   461835.819 3777386.505 457.81
   LOCATION L0039545     VOLUME   461832.235 3777386.836 457.83
   LOCATION L0039546     VOLUME   461828.650 3777387.168 457.85
   LOCATION L0039547     VOLUME   461825.065 3777387.499 457.85
   LOCATION L0039548     VOLUME   461821.481 3777387.831 457.84
   LOCATION L0039549     VOLUME   461817.896 3777388.162 457.83
   LOCATION L0039550     VOLUME   461814.311 3777388.493 457.82
   LOCATION L0039551     VOLUME   461810.726 3777388.825 457.82
   LOCATION L0039552     VOLUME   461807.142 3777389.156 457.81
   LOCATION L0039553     VOLUME   461803.557 3777389.487 457.79
   LOCATION L0039554     VOLUME   461799.972 3777389.819 457.81
   LOCATION L0039555     VOLUME   461796.388 3777390.150 457.89
   LOCATION L0039556     VOLUME   461792.803 3777390.481 457.96
   LOCATION L0039557     VOLUME   461789.218 3777390.813 458.04
   LOCATION L0039558     VOLUME   461785.642 3777391.218 458.13
   LOCATION L0039559     VOLUME   461782.073 3777391.692 458.23
   LOCATION L0039560     VOLUME   461778.504 3777392.165 458.33
   LOCATION L0039561     VOLUME   461774.936 3777392.639 458.43
   LOCATION L0039562     VOLUME   461771.367 3777393.113 458.49
   LOCATION L0039563     VOLUME   461767.798 3777393.587 458.56
   LOCATION L0039564     VOLUME   461764.230 3777394.060 458.62
   LOCATION L0039565     VOLUME   461760.661 3777394.534 458.68
   LOCATION L0039566     VOLUME   461757.092 3777395.008 458.74
   LOCATION L0039567     VOLUME   461753.523 3777395.482 458.80
   LOCATION L0039568     VOLUME   461749.955 3777395.955 458.86
   LOCATION L0039569     VOLUME   461746.386 3777396.429 458.90
   LOCATION L0039570     VOLUME   461742.817 3777396.903 458.94
   LOCATION L0039571     VOLUME   461739.249 3777397.376 458.97
   LOCATION L0039572     VOLUME   461735.680 3777397.850 459.00
   LOCATION L0039573     VOLUME   461732.111 3777398.324 459.04
   LOCATION L0039574     VOLUME   461728.543 3777398.798 459.07
   LOCATION L0039575     VOLUME   461724.974 3777399.271 459.09
   LOCATION L0039576     VOLUME   461721.405 3777399.745 459.11
   LOCATION L0039577     VOLUME   461717.837 3777400.219 459.13
   LOCATION L0039578     VOLUME   461714.268 3777400.692 459.14
```

LOCATION L0039579 VOLUME 461710.699 3777401.166 459.15
LOCATION L0039580 VOLUME 461707.130 3777401.640 459.16
LOCATION L0039581 VOLUME 461703.615 3777402.387 459.20
LOCATION L0039582 VOLUME 461700.129 3777403.285 459.25
LOCATION L0039583 VOLUME 461696.642 3777404.182 459.27
LOCATION L0039584 VOLUME 461693.156 3777405.079 459.28
LOCATION L0039585 VOLUME 461689.670 3777405.977 459.29
LOCATION L0039586 VOLUME 461686.183 3777406.874 459.31
LOCATION L0039587 VOLUME 461682.697 3777407.772 459.34
LOCATION L0039588 VOLUME 461679.211 3777408.669 459.36
LOCATION L0039589 VOLUME 461675.724 3777409.567 459.39
LOCATION L0039590 VOLUME 461672.238 3777410.464 459.43
LOCATION L0039591 VOLUME 461668.752 3777411.362 459.49
LOCATION L0039592 VOLUME 461665.265 3777412.259 459.55
LOCATION L0039593 VOLUME 461661.779 3777413.157 459.61
LOCATION L0039594 VOLUME 461658.293 3777414.054 459.67
LOCATION L0039595 VOLUME 461654.806 3777414.952 459.74
LOCATION L0039596 VOLUME 461651.320 3777415.849 459.80
LOCATION L0039597 VOLUME 461647.833 3777416.747 459.88
LOCATION L0039598 VOLUME 461644.347 3777417.644 459.97
LOCATION L0039599 VOLUME 461640.861 3777418.542 460.07
LOCATION L0039600 VOLUME 461637.374 3777419.439 460.16
LOCATION L0039601 VOLUME 461633.888 3777420.337 460.26
LOCATION L0039602 VOLUME 461630.444 3777421.380 460.37
LOCATION L0039603 VOLUME 461627.017 3777422.482 460.49
LOCATION L0039604 VOLUME 461623.590 3777423.584 460.60
LOCATION L0039605 VOLUME 461620.162 3777424.685 460.72
LOCATION L0039606 VOLUME 461616.735 3777425.787 460.83
LOCATION L0039607 VOLUME 461613.308 3777426.889 460.94
LOCATION L0039608 VOLUME 461609.880 3777427.990 461.04
LOCATION L0039609 VOLUME 461606.453 3777429.092 461.13
LOCATION L0039610 VOLUME 461603.026 3777430.194 461.22
LOCATION L0039611 VOLUME 461599.598 3777431.295 461.30
LOCATION L0039612 VOLUME 461596.171 3777432.397 461.38
LOCATION L0039613 VOLUME 461592.744 3777433.498 461.46
LOCATION L0039614 VOLUME 461589.317 3777434.600 461.52
LOCATION L0039615 VOLUME 461585.889 3777435.702 461.57
LOCATION L0039616 VOLUME 461582.462 3777436.803 461.63
LOCATION L0039617 VOLUME 461579.035 3777437.905 461.68
LOCATION L0039618 VOLUME 461575.607 3777439.007 461.73
LOCATION L0039619 VOLUME 461572.179 3777440.106 461.79
LOCATION L0039620 VOLUME 461568.706 3777441.054 461.88
LOCATION L0039621 VOLUME 461565.233 3777442.001 461.99
LOCATION L0039622 VOLUME 461561.760 3777442.948 462.10
LOCATION L0039623 VOLUME 461558.287 3777443.895 462.21
LOCATION L0039624 VOLUME 461554.814 3777444.842 462.31
LOCATION L0039625 VOLUME 461551.341 3777445.790 462.41
LOCATION L0039626 VOLUME 461547.867 3777446.737 462.50
LOCATION L0039627 VOLUME 461544.394 3777447.684 462.59
LOCATION L0039628 VOLUME 461540.921 3777448.631 462.70

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   LOCATION L0039629     VOLUME   461537.448 3777449.579 462.81
   LOCATION L0039630     VOLUME   461533.975 3777450.526 462.90
   LOCATION L0039631     VOLUME   461530.502 3777451.473 462.99
   LOCATION L0039632     VOLUME   461527.029 3777452.420 463.07
   LOCATION L0039633     VOLUME   461523.519 3777453.120 463.14
   LOCATION L0039634     VOLUME   461519.920 3777453.200 463.18
   LOCATION L0039635     VOLUME   461516.321 3777453.280 463.24
   LOCATION L0039636     VOLUME   461512.722 3777453.360 463.30
   LOCATION L0039637     VOLUME   461509.123 3777453.440 463.36
   LOCATION L0039638     VOLUME   461505.524 3777453.520 463.42
   LOCATION L0039639     VOLUME   461501.925 3777453.600 463.48
   LOCATION L0039640     VOLUME   461498.326 3777453.680 463.54
   LOCATION L0039641     VOLUME   461494.727 3777453.760 463.59
   LOCATION L0039642     VOLUME   461491.127 3777453.840 463.66
   LOCATION L0039643     VOLUME   461487.528 3777453.920 463.74
   LOCATION L0039644     VOLUME   461483.929 3777454.000 463.81
   LOCATION L0039645     VOLUME   461480.330 3777454.080 463.88
   LOCATION L0039646     VOLUME   461476.731 3777454.160 463.95
   LOCATION L0039647     VOLUME   461473.132 3777454.240 464.02
   LOCATION L0039648     VOLUME   461469.533 3777454.320 464.09
   LOCATION L0039649     VOLUME   461465.934 3777454.400 464.21
   LOCATION L0039650     VOLUME   461462.335 3777454.480 464.34
   LOCATION L0039651     VOLUME   461458.735 3777454.560 464.47
   LOCATION L0039652     VOLUME   461455.136 3777454.640 464.60
   LOCATION L0039653     VOLUME   461451.537 3777454.720 464.73
   LOCATION L0039654     VOLUME   461447.938 3777454.800 464.86
   LOCATION L0039655     VOLUME   461444.339 3777454.880 464.99
   LOCATION L0039656     VOLUME   461440.740 3777454.960 465.12
   LOCATION L0039657     VOLUME   461437.141 3777455.040 465.24
   LOCATION L0039658     VOLUME   461433.542 3777455.120 465.37
   LOCATION L0039659     VOLUME   461429.943 3777455.200 465.50
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC SR-210 EB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.39E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461014.386, 3777335.725, 462.46, 3.70, 1.67
** 461077.101, 3777329.085, 461.65, 3.70, 1.67
** 461142.029, 3777318.755, 461.18, 3.70, 1.67
** 461191.463, 3777303.999, 460.63, 3.70, 1.67
** 461257.867, 3777278.913, 461.05, 3.70, 1.67
** 461299.185, 3777269.321, 461.54, 3.70, 1.67
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** 461358.949, 3777264.156, 461.88, 3.70, 1.67
** 461407.524, 3777263.337, 462.74, 3.70, 1.67
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   LOCATION L0039660     VOLUME   460943.135 3777341.483 463.26
   LOCATION L0039661     VOLUME   460946.724 3777341.193 463.23
   LOCATION L0039662     VOLUME   460950.312 3777340.903 463.20
   LOCATION L0039663     VOLUME   460953.900 3777340.613 463.17
   LOCATION L0039664     VOLUME   460957.489 3777340.323 463.14
   LOCATION L0039665     VOLUME   460961.077 3777340.033 463.10
   LOCATION L0039666     VOLUME   460964.665 3777339.743 463.07
   LOCATION L0039667     VOLUME   460968.254 3777339.453 463.04
   LOCATION L0039668     VOLUME   460971.842 3777339.163 463.00
   LOCATION L0039669     VOLUME   460975.430 3777338.873 462.97
   LOCATION L0039670     VOLUME   460979.018 3777338.583 462.94
   LOCATION L0039671     VOLUME   460982.607 3777338.293 462.91
   LOCATION L0039672     VOLUME   460986.195 3777338.003 462.87
   LOCATION L0039673     VOLUME   460989.783 3777337.713 462.83
   LOCATION L0039674     VOLUME   460993.372 3777337.423 462.80
   LOCATION L0039675     VOLUME   460996.960 3777337.133 462.76
   LOCATION L0039676     VOLUME   461000.548 3777336.843 462.72
   LOCATION L0039677     VOLUME   461004.137 3777336.553 462.69
   LOCATION L0039678     VOLUME   461007.725 3777336.263 462.65
   LOCATION L0039679     VOLUME   461011.313 3777335.973 462.61
   LOCATION L0039680     VOLUME   461014.900 3777335.670 462.57
   LOCATION L0039681     VOLUME   461018.480 3777335.291 462.53
   LOCATION L0039682     VOLUME   461022.060 3777334.912 462.50
   LOCATION L0039683     VOLUME   461025.640 3777334.533 462.46
   LOCATION L0039684     VOLUME   461029.220 3777334.154 462.42
   LOCATION L0039685     VOLUME   461032.800 3777333.775 462.38
   LOCATION L0039686     VOLUME   461036.380 3777333.396 462.34
   LOCATION L0039687     VOLUME   461039.960 3777333.017 462.30
   LOCATION L0039688     VOLUME   461043.540 3777332.638 462.26
   LOCATION L0039689     VOLUME   461047.120 3777332.259 462.22
   LOCATION L0039690     VOLUME   461050.700 3777331.880 462.18
   LOCATION L0039691     VOLUME   461054.280 3777331.501 462.14
   LOCATION L0039692     VOLUME   461057.860 3777331.122 462.10
   LOCATION L0039693     VOLUME   461061.440 3777330.743 462.05
   LOCATION L0039694     VOLUME   461065.020 3777330.364 462.00
   LOCATION L0039695     VOLUME   461068.600 3777329.985 461.96
   LOCATION L0039696     VOLUME   461072.180 3777329.606 461.91
   LOCATION L0039697     VOLUME   461075.760 3777329.226 461.86
   LOCATION L0039698     VOLUME   461079.325 3777328.731 461.81
   LOCATION L0039699     VOLUME   461082.880 3777328.165 461.77
   LOCATION L0039700     VOLUME   461086.435 3777327.599 461.72
   LOCATION L0039701     VOLUME   461089.990 3777327.034 461.68
   LOCATION L0039702     VOLUME   461093.546 3777326.468 461.63
   LOCATION L0039703     VOLUME   461097.101 3777325.903 461.58
   LOCATION L0039704     VOLUME   461100.656 3777325.337 461.53
   LOCATION L0039705     VOLUME   461104.212 3777324.771 461.48
   LOCATION L0039706     VOLUME   461107.767 3777324.206 461.43
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LOCATION L0039708 VOLUME 461114.877 3777323.075 461.32
LOCATION L0039709 VOLUME 461118.433 3777322.509 461.27
LOCATION L0039710 VOLUME 461121.988 3777321.943 461.22
LOCATION L0039711 VOLUME 461125.543 3777321.378 461.16
LOCATION L0039712 VOLUME 461129.099 3777320.812 461.11
LOCATION L0039713 VOLUME 461132.654 3777320.247 461.05
LOCATION L0039714 VOLUME 461136.209 3777319.681 461.00
LOCATION L0039715 VOLUME 461139.765 3777319.115 460.95
LOCATION L0039716 VOLUME 461143.281 3777318.381 460.90
LOCATION L0039717 VOLUME 461146.731 3777317.351 460.86
LOCATION L0039718 VOLUME 461150.181 3777316.322 460.82
LOCATION L0039719 VOLUME 461153.630 3777315.292 460.78
LOCATION L0039720 VOLUME 461157.080 3777314.262 460.74
LOCATION L0039721 VOLUME 461160.529 3777313.233 460.69
LOCATION L0039722 VOLUME 461163.979 3777312.203 460.68
LOCATION L0039723 VOLUME 461167.429 3777311.173 460.71
LOCATION L0039724 VOLUME 461170.878 3777310.143 460.74
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LOCATION L0039726 VOLUME 461177.777 3777308.084 460.78
LOCATION L0039727 VOLUME 461181.227 3777307.054 460.80
LOCATION L0039728 VOLUME 461184.676 3777306.024 460.81
LOCATION L0039729 VOLUME 461188.126 3777304.995 460.83
LOCATION L0039730 VOLUME 461191.573 3777303.957 460.85
LOCATION L0039731 VOLUME 461194.941 3777302.685 460.88
LOCATION L0039732 VOLUME 461198.308 3777301.413 460.90
LOCATION L0039733 VOLUME 461201.676 3777300.140 460.92
LOCATION L0039734 VOLUME 461205.044 3777298.868 460.93
LOCATION L0039735 VOLUME 461208.411 3777297.596 460.94
LOCATION L0039736 VOLUME 461211.779 3777296.324 460.95
LOCATION L0039737 VOLUME 461215.147 3777295.051 460.97
LOCATION L0039738 VOLUME 461218.515 3777293.779 460.98
LOCATION L0039739 VOLUME 461221.882 3777292.507 460.99
LOCATION L0039740 VOLUME 461225.250 3777291.235 460.99
LOCATION L0039741 VOLUME 461228.618 3777289.962 461.00
LOCATION L0039742 VOLUME 461231.985 3777288.690 461.00
LOCATION L0039743 VOLUME 461235.353 3777287.418 461.01
LOCATION L0039744 VOLUME 461238.721 3777286.146 461.02
LOCATION L0039745 VOLUME 461242.088 3777284.873 461.04
LOCATION L0039746 VOLUME 461245.456 3777283.601 461.06
LOCATION L0039747 VOLUME 461248.824 3777282.329 461.09
LOCATION L0039748 VOLUME 461252.192 3777281.057 461.11
LOCATION L0039749 VOLUME 461255.559 3777279.784 461.13
LOCATION L0039750 VOLUME 461258.971 3777278.656 461.14
LOCATION L0039751 VOLUME 461262.477 3777277.842 461.13
LOCATION L0039752 VOLUME 461265.984 3777277.028 461.16
LOCATION L0039753 VOLUME 461269.491 3777276.214 461.18
LOCATION L0039754 VOLUME 461272.998 3777275.400 461.21
LOCATION L0039755 VOLUME 461276.504 3777274.586 461.23
LOCATION L0039756 VOLUME 461280.011 3777273.772 461.25

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   LOCATION L0039757     VOLUME   461283.518 3777272.958 461.27
   LOCATION L0039758     VOLUME   461287.025 3777272.144 461.29
   LOCATION L0039759     VOLUME   461290.531 3777271.330 461.31
   LOCATION L0039760     VOLUME   461294.038 3777270.516 461.34
   LOCATION L0039761     VOLUME   461297.545 3777269.702 461.36
   LOCATION L0039762     VOLUME   461301.094 3777269.156 461.38
   LOCATION L0039763     VOLUME   461304.681 3777268.846 461.39
   LOCATION L0039764     VOLUME   461308.268 3777268.536 461.39
   LOCATION L0039765     VOLUME   461311.854 3777268.226 461.40
   LOCATION L0039766     VOLUME   461315.441 3777267.916 461.41
   LOCATION L0039767     VOLUME   461319.027 3777267.606 461.42
   LOCATION L0039768     VOLUME   461322.614 3777267.296 461.43
   LOCATION L0039769     VOLUME   461326.201 3777266.986 461.44
   LOCATION L0039770     VOLUME   461329.787 3777266.676 461.45
   LOCATION L0039771     VOLUME   461333.374 3777266.366 461.46
   LOCATION L0039772     VOLUME   461336.961 3777266.056 461.47
   LOCATION L0039773     VOLUME   461340.547 3777265.746 461.49
   LOCATION L0039774     VOLUME   461344.134 3777265.436 461.54
   LOCATION L0039775     VOLUME   461347.720 3777265.126 461.58
   LOCATION L0039776     VOLUME   461351.307 3777264.817 461.62
   LOCATION L0039777     VOLUME   461354.894 3777264.507 461.66
   LOCATION L0039778     VOLUME   461358.480 3777264.197 461.70
   LOCATION L0039779     VOLUME   461362.078 3777264.103 461.74
   LOCATION L0039780     VOLUME   461365.678 3777264.043 461.78
   LOCATION L0039781     VOLUME   461369.277 3777263.982 461.88
   LOCATION L0039782     VOLUME   461372.877 3777263.921 461.98
   LOCATION L0039783     VOLUME   461376.476 3777263.860 462.09
   LOCATION L0039784     VOLUME   461380.076 3777263.800 462.19
   LOCATION L0039785     VOLUME   461383.675 3777263.739 462.29
   LOCATION L0039786     VOLUME   461387.275 3777263.678 462.39
   LOCATION L0039787     VOLUME   461390.874 3777263.618 462.49
   LOCATION L0039788     VOLUME   461394.474 3777263.557 462.55
   LOCATION L0039789     VOLUME   461398.073 3777263.496 462.61
   LOCATION L0039790     VOLUME   461401.673 3777263.436 462.66
   LOCATION L0039791     VOLUME   461405.272 3777263.375 462.72
** End of LINE VOLUME Source ID = SLINE11
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Alder Ave - between SR-210 EB & WB Off-Ramps - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 3.6E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
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** 461415.786, 3777452.432, 465.79, 3.70, 1.67
** 461409.316, 3777440.831, 465.63, 3.70, 1.67
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   LOCATION L0039793     VOLUME   461423.019 3777454.112 465.74
   LOCATION L0039794     VOLUME   461419.513 3777453.298 465.85
   LOCATION L0039795     VOLUME   461416.006 3777452.483 465.91
   LOCATION L0039796     VOLUME   461414.143 3777449.485 465.85
   LOCATION L0039797     VOLUME   461412.389 3777446.341 465.79
   LOCATION L0039798     VOLUME   461410.636 3777443.197 465.74
   LOCATION L0039799     VOLUME   461409.310 3777439.940 465.70
   LOCATION L0039800     VOLUME   461409.286 3777436.340 465.68
   LOCATION L0039801     VOLUME   461409.261 3777432.740 465.59
   LOCATION L0039802     VOLUME   461409.236 3777429.141 465.44
   LOCATION L0039803     VOLUME   461409.212 3777425.541 465.28
   LOCATION L0039804     VOLUME   461409.187 3777421.941 465.13
   LOCATION L0039805     VOLUME   461409.163 3777418.341 464.98
   LOCATION L0039806     VOLUME   461409.138 3777414.741 464.82
   LOCATION L0039807     VOLUME   461409.113 3777411.141 464.67
   LOCATION L0039808     VOLUME   461409.089 3777407.541 464.52
   LOCATION L0039809     VOLUME   461409.064 3777403.941 464.36
   LOCATION L0039810     VOLUME   461409.040 3777400.341 463.72
   LOCATION L0039811     VOLUME   461409.015 3777396.741 463.08
   LOCATION L0039812     VOLUME   461408.990 3777393.141 462.44
   LOCATION L0039813     VOLUME   461408.966 3777389.541 461.80
   LOCATION L0039814     VOLUME   461408.941 3777385.942 461.16
   LOCATION L0039815     VOLUME   461408.917 3777382.342 460.52
   LOCATION L0039816     VOLUME   461408.892 3777378.742 459.88
   LOCATION L0039817     VOLUME   461408.867 3777375.142 459.24
   LOCATION L0039818     VOLUME   461408.843 3777371.542 458.81
   LOCATION L0039819     VOLUME   461408.818 3777367.942 458.64
   LOCATION L0039820     VOLUME   461408.794 3777364.342 458.47
   LOCATION L0039821     VOLUME   461408.769 3777360.742 458.30
   LOCATION L0039822     VOLUME   461408.744 3777357.142 458.13
   LOCATION L0039823     VOLUME   461408.720 3777353.542 457.96
   LOCATION L0039824     VOLUME   461408.695 3777349.942 457.79
   LOCATION L0039825     VOLUME   461408.671 3777346.342 457.61
   LOCATION L0039826     VOLUME   461408.646 3777342.743 457.44
   LOCATION L0039827     VOLUME   461408.621 3777339.143 457.80
   LOCATION L0039828     VOLUME   461408.597 3777335.543 458.22
   LOCATION L0039829     VOLUME   461408.572 3777331.943 458.63
   LOCATION L0039830     VOLUME   461408.548 3777328.343 459.05
   LOCATION L0039831     VOLUME   461408.523 3777324.743 459.46
   LOCATION L0039832     VOLUME   461408.498 3777321.143 459.88
   LOCATION L0039833     VOLUME   461408.474 3777317.543 460.30
   LOCATION L0039834     VOLUME   461408.449 3777313.943 460.71
   LOCATION L0039835     VOLUME   461408.425 3777310.343 461.07
   LOCATION L0039836     VOLUME   461408.400 3777306.743 461.30
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   LOCATION L0039838     VOLUME   461408.351 3777299.544 461.77
   LOCATION L0039839     VOLUME   461408.326 3777295.944 462.01
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   LOCATION L0039842     VOLUME   461408.252 3777285.144 462.71
   LOCATION L0039843     VOLUME   461408.228 3777281.544 462.95
   LOCATION L0039844     VOLUME   461408.203 3777277.944 462.96
   LOCATION L0039845     VOLUME   461408.179 3777274.344 462.91
   LOCATION L0039846     VOLUME   461408.154 3777270.744 462.86
   LOCATION L0039847     VOLUME   461408.129 3777267.144 462.82
   LOCATION L0039848     VOLUME   461408.105 3777263.544 462.77
** End of LINE VOLUME Source ID = SLINE12
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC SR-210 EB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.93E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
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** 461487.598, 3777263.217, 460.49, 3.70, 1.67
** 461544.404, 3777267.360, 459.29, 3.70, 1.67
** 461627.246, 3777292.804, 457.46, 3.70, 1.67
** 461722.515, 3777317.657, 455.41, 3.70, 1.67
** 461788.789, 3777326.533, 454.78, 3.70, 1.67
** 461832.578, 3777330.083, 454.68, 3.70, 1.67
** 461918.970, 3777330.675, 454.04, 3.70, 1.67
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   LOCATION L0039850     VOLUME   461425.876 3777262.994 462.57
   LOCATION L0039851     VOLUME   461429.476 3777263.007 462.45
   LOCATION L0039852     VOLUME   461433.076 3777263.020 462.33
   LOCATION L0039853     VOLUME   461436.676 3777263.033 462.20
   LOCATION L0039854     VOLUME   461440.276 3777263.046 462.08
   LOCATION L0039855     VOLUME   461443.876 3777263.059 461.94
   LOCATION L0039856     VOLUME   461447.476 3777263.072 461.80
   LOCATION L0039857     VOLUME   461451.076 3777263.085 461.66
   LOCATION L0039858     VOLUME   461454.676 3777263.098 461.52
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   LOCATION L0039860     VOLUME   461461.876 3777263.124 461.24
   LOCATION L0039861     VOLUME   461465.476 3777263.137 461.10
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   LOCATION L0039864     VOLUME   461476.276 3777263.176 460.86
   LOCATION L0039865     VOLUME   461479.876 3777263.189 460.79
   LOCATION L0039866     VOLUME   461483.476 3777263.202 460.73
   LOCATION L0039867     VOLUME   461487.076 3777263.216 460.66
   LOCATION L0039868     VOLUME   461490.668 3777263.441 460.58
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LOCATION L0039871 VOLUME 461501.439 3777264.227 460.35
LOCATION L0039872 VOLUME 461505.030 3777264.488 460.27
LOCATION L0039873 VOLUME 461508.620 3777264.750 460.19
LOCATION L0039874 VOLUME 461512.211 3777265.012 460.11
LOCATION L0039875 VOLUME 461515.801 3777265.274 460.04
LOCATION L0039876 VOLUME 461519.392 3777265.536 459.96
LOCATION L0039877 VOLUME 461522.982 3777265.798 459.89
LOCATION L0039878 VOLUME 461526.572 3777266.059 459.82
LOCATION L0039879 VOLUME 461530.163 3777266.321 459.75
LOCATION L0039880 VOLUME 461533.753 3777266.583 459.67
LOCATION L0039881 VOLUME 461537.344 3777266.845 459.60
LOCATION L0039882 VOLUME 461540.934 3777267.107 459.53
LOCATION L0039883 VOLUME 461544.520 3777267.395 459.46
LOCATION L0039884 VOLUME 461547.961 3777268.452 459.37
LOCATION L0039885 VOLUME 461551.402 3777269.509 459.27
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LOCATION L0039888 VOLUME 461561.726 3777272.680 458.98
LOCATION L0039889 VOLUME 461565.168 3777273.737 458.88
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LOCATION L0039894 VOLUME 461582.375 3777279.022 458.37
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LOCATION L0039897 VOLUME 461592.699 3777282.193 458.03
LOCATION L0039898 VOLUME 461596.140 3777283.250 457.92
LOCATION L0039899 VOLUME 461599.581 3777284.307 457.82
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LOCATION L0039904 VOLUME 461616.788 3777289.592 457.31
LOCATION L0039905 VOLUME 461620.229 3777290.649 457.21
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LOCATION L0039929 VOLUME 461703.746 3777312.760 455.31
LOCATION L0039930 VOLUME 461707.229 3777313.669 455.29
LOCATION L0039931 VOLUME 461710.712 3777314.578 455.28
LOCATION L0039932 VOLUME 461714.196 3777315.486 455.26
LOCATION L0039933 VOLUME 461717.679 3777316.395 455.24
LOCATION L0039934 VOLUME 461721.163 3777317.304 455.22
LOCATION L0039935 VOLUME 461724.698 3777317.949 455.21
LOCATION L0039936 VOLUME 461728.266 3777318.427 455.20
LOCATION L0039937 VOLUME 461731.834 3777318.905 455.18
LOCATION L0039938 VOLUME 461735.402 3777319.383 455.17
LOCATION L0039939 VOLUME 461738.970 3777319.861 455.16
LOCATION L0039940 VOLUME 461742.539 3777320.338 455.15
LOCATION L0039941 VOLUME 461746.107 3777320.816 455.13
LOCATION L0039942 VOLUME 461749.675 3777321.294 455.12
LOCATION L0039943 VOLUME 461753.243 3777321.772 455.10
LOCATION L0039944 VOLUME 461756.811 3777322.250 455.09
LOCATION L0039945 VOLUME 461760.379 3777322.728 455.07
LOCATION L0039946 VOLUME 461763.947 3777323.206 455.06
LOCATION L0039947 VOLUME 461767.516 3777323.684 455.04
LOCATION L0039948 VOLUME 461771.084 3777324.161 455.02
LOCATION L0039949 VOLUME 461774.652 3777324.639 455.00
LOCATION L0039950 VOLUME 461778.220 3777325.117 455.01
LOCATION L0039951 VOLUME 461781.788 3777325.595 455.01
LOCATION L0039952 VOLUME 461785.356 3777326.073 455.01
LOCATION L0039953 VOLUME 461788.925 3777326.544 455.02
LOCATION L0039954 VOLUME 461792.513 3777326.835 455.02
LOCATION L0039955 VOLUME 461796.102 3777327.126 455.02
LOCATION L0039956 VOLUME 461799.690 3777327.417 455.02
LOCATION L0039957 VOLUME 461803.278 3777327.708 455.03
LOCATION L0039958 VOLUME 461806.866 3777327.998 455.04
LOCATION L0039959 VOLUME 461810.455 3777328.289 455.05
LOCATION L0039960 VOLUME 461814.043 3777328.580 455.05
LOCATION L0039961 VOLUME 461817.631 3777328.871 455.05
LOCATION L0039962 VOLUME 461821.219 3777329.162 455.05
LOCATION L0039963 VOLUME 461824.807 3777329.453 455.05
LOCATION L0039964 VOLUME 461828.396 3777329.744 455.04
LOCATION L0039965 VOLUME 461831.984 3777330.035 455.01
LOCATION L0039966 VOLUME 461835.582 3777330.104 455.00
LOCATION L0039967 VOLUME 461839.182 3777330.128 454.99
LOCATION L0039968 VOLUME 461842.782 3777330.153 454.98

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   LOCATION L0039969     VOLUME   461846.382 3777330.178 454.97
   LOCATION L0039970     VOLUME   461849.982 3777330.202 454.97
   LOCATION L0039971     VOLUME   461853.581 3777330.227 454.95
   LOCATION L0039972     VOLUME   461857.181 3777330.252 454.92
   LOCATION L0039973     VOLUME   461860.781 3777330.276 454.89
   LOCATION L0039974     VOLUME   461864.381 3777330.301 454.87
   LOCATION L0039975     VOLUME   461867.981 3777330.326 454.84
   LOCATION L0039976     VOLUME   461871.581 3777330.350 454.81
   LOCATION L0039977     VOLUME   461875.181 3777330.375 454.78
   LOCATION L0039978     VOLUME   461878.781 3777330.400 454.75
   LOCATION L0039979     VOLUME   461882.381 3777330.424 454.72
   LOCATION L0039980     VOLUME   461885.981 3777330.449 454.69
   LOCATION L0039981     VOLUME   461889.581 3777330.474 454.66
   LOCATION L0039982     VOLUME   461893.180 3777330.498 454.63
   LOCATION L0039983     VOLUME   461896.780 3777330.523 454.60
   LOCATION L0039984     VOLUME   461900.380 3777330.548 454.57
   LOCATION L0039985     VOLUME   461903.980 3777330.572 454.54
   LOCATION L0039986     VOLUME   461907.580 3777330.597 454.51
   LOCATION L0039987     VOLUME   461911.180 3777330.622 454.48
   LOCATION L0039988     VOLUME   461914.780 3777330.646 454.45
   LOCATION L0039989     VOLUME   461918.380 3777330.671 454.42
** End of LINE VOLUME Source ID = SLINE13
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Alder Ave - between SR-210 EB and WB Off-Ramps - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 3.22E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 461420.699, 3777265.301, 462.84, 3.70, 1.67
** 461420.699, 3777448.034, 465.56, 3.70, 1.67
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   LOCATION L0039990     VOLUME   461420.699 3777267.101 462.80
   LOCATION L0039991     VOLUME   461420.699 3777270.701 462.84
   LOCATION L0039992     VOLUME   461420.699 3777274.301 462.89
   LOCATION L0039993     VOLUME   461420.699 3777277.901 462.93
   LOCATION L0039994     VOLUME   461420.699 3777281.501 462.92
   LOCATION L0039995     VOLUME   461420.699 3777285.101 462.68
   LOCATION L0039996     VOLUME   461420.699 3777288.701 462.44
   LOCATION L0039997     VOLUME   461420.699 3777292.301 462.20
   LOCATION L0039998     VOLUME   461420.699 3777295.901 461.96
   LOCATION L0039999     VOLUME   461420.699 3777299.501 461.72
   LOCATION L0040000     VOLUME   461420.699 3777303.101 461.48
   LOCATION L0040001     VOLUME   461420.699 3777306.701 461.24
   LOCATION L0040002     VOLUME   461420.699 3777310.301 461.00
   LOCATION L0040003     VOLUME   461420.699 3777313.901 460.65
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   LOCATION L0040004     VOLUME   461420.699 3777317.501 460.22
   LOCATION L0040005     VOLUME   461420.699 3777321.101 459.80
   LOCATION L0040006     VOLUME   461420.699 3777324.701 459.38
   LOCATION L0040007     VOLUME   461420.699 3777328.301 458.96
   LOCATION L0040008     VOLUME   461420.699 3777331.901 458.53
   LOCATION L0040009     VOLUME   461420.699 3777335.501 458.11
   LOCATION L0040010     VOLUME   461420.699 3777339.101 457.69
   LOCATION L0040011     VOLUME   461420.699 3777342.701 457.33
   LOCATION L0040012     VOLUME   461420.699 3777346.301 457.51
   LOCATION L0040013     VOLUME   461420.699 3777349.901 457.69
   LOCATION L0040014     VOLUME   461420.699 3777353.501 457.87
   LOCATION L0040015     VOLUME   461420.699 3777357.101 458.05
   LOCATION L0040016     VOLUME   461420.699 3777360.701 458.23
   LOCATION L0040017     VOLUME   461420.699 3777364.301 458.41
   LOCATION L0040018     VOLUME   461420.699 3777367.901 458.60
   LOCATION L0040019     VOLUME   461420.699 3777371.501 458.78
   LOCATION L0040020     VOLUME   461420.699 3777375.101 459.22
   LOCATION L0040021     VOLUME   461420.699 3777378.701 459.87
   LOCATION L0040022     VOLUME   461420.699 3777382.301 460.53
   LOCATION L0040023     VOLUME   461420.699 3777385.901 461.18
   LOCATION L0040024     VOLUME   461420.699 3777389.501 461.84
   LOCATION L0040025     VOLUME   461420.699 3777393.101 462.49
   LOCATION L0040026     VOLUME   461420.699 3777396.701 463.15
   LOCATION L0040027     VOLUME   461420.699 3777400.301 463.80
   LOCATION L0040028     VOLUME   461420.699 3777403.901 464.46
   LOCATION L0040029     VOLUME   461420.699 3777407.501 464.61
   LOCATION L0040030     VOLUME   461420.699 3777411.101 464.76
   LOCATION L0040031     VOLUME   461420.699 3777414.701 464.90
   LOCATION L0040032     VOLUME   461420.699 3777418.301 465.05
   LOCATION L0040033     VOLUME   461420.699 3777421.901 465.19
   LOCATION L0040034     VOLUME   461420.699 3777425.501 465.34
   LOCATION L0040035     VOLUME   461420.699 3777429.101 465.48
   LOCATION L0040036     VOLUME   461420.699 3777432.701 465.62
   LOCATION L0040037     VOLUME   461420.699 3777436.301 465.71
   LOCATION L0040038     VOLUME   461420.699 3777439.901 465.74
   LOCATION L0040039     VOLUME   461420.699 3777443.501 465.76
   LOCATION L0040040     VOLUME   461420.699 3777447.101 465.78
** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC SR-210 WB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 9.01E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461281.749, 3777446.303, 463.49, 3.70, 1.67
** 461223.353, 3777428.101, 464.08, 3.70, 1.67
** 461170.265, 3777412.554, 462.90, 3.70, 1.67
** 461093.288, 3777397.765, 464.15, 3.70, 1.67
** 461051.197, 3777392.077, 464.13, 3.70, 1.67
** 460899.138, 3777388.664, 464.68, 3.70, 1.67
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   LOCATION L0040042     VOLUME   461397.436 3777456.121 465.49
   LOCATION L0040043     VOLUME   461393.836 3777456.108 465.41
   LOCATION L0040044     VOLUME   461390.236 3777456.096 465.33
   LOCATION L0040045     VOLUME   461386.636 3777456.083 465.25
   LOCATION L0040046     VOLUME   461383.036 3777456.070 465.17
   LOCATION L0040047     VOLUME   461379.436 3777456.058 465.10
   LOCATION L0040048     VOLUME   461375.836 3777456.045 465.02
   LOCATION L0040049     VOLUME   461372.236 3777456.032 464.94
   LOCATION L0040050     VOLUME   461368.636 3777456.020 464.86
   LOCATION L0040051     VOLUME   461365.036 3777456.007 464.80
   LOCATION L0040052     VOLUME   461361.438 3777455.944 464.78
   LOCATION L0040053     VOLUME   461357.847 3777455.700 464.76
   LOCATION L0040054     VOLUME   461354.255 3777455.456 464.73
   LOCATION L0040055     VOLUME   461350.663 3777455.213 464.71
   LOCATION L0040056     VOLUME   461347.071 3777454.969 464.68
   LOCATION L0040057     VOLUME   461343.480 3777454.725 464.65
   LOCATION L0040058     VOLUME   461339.888 3777454.481 464.62
   LOCATION L0040059     VOLUME   461336.296 3777454.238 464.61
   LOCATION L0040060     VOLUME   461332.704 3777453.994 464.59
   LOCATION L0040061     VOLUME   461329.113 3777453.750 464.57
   LOCATION L0040062     VOLUME   461325.521 3777453.506 464.55
   LOCATION L0040063     VOLUME   461321.929 3777453.263 464.53
   LOCATION L0040064     VOLUME   461318.337 3777453.019 464.51
   LOCATION L0040065     VOLUME   461314.746 3777452.775 464.49
   LOCATION L0040066     VOLUME   461311.208 3777452.126 464.48
   LOCATION L0040067     VOLUME   461307.676 3777451.428 464.47
   LOCATION L0040068     VOLUME   461304.144 3777450.729 464.45
   LOCATION L0040069     VOLUME   461300.613 3777450.031 464.43
   LOCATION L0040070     VOLUME   461297.081 3777449.333 464.40
   LOCATION L0040071     VOLUME   461293.549 3777448.635 464.38
   LOCATION L0040072     VOLUME   461290.018 3777447.937 464.34
   LOCATION L0040073     VOLUME   461286.486 3777447.239 464.33
   LOCATION L0040074     VOLUME   461282.954 3777446.541 464.31
   LOCATION L0040075     VOLUME   461279.485 3777445.597 464.28
   LOCATION L0040076     VOLUME   461276.048 3777444.526 464.23
   LOCATION L0040077     VOLUME   461272.611 3777443.454 464.18
   LOCATION L0040078     VOLUME   461269.174 3777442.383 464.12
   LOCATION L0040079     VOLUME   461265.737 3777441.312 464.06
   LOCATION L0040080     VOLUME   461262.300 3777440.241 464.00
   LOCATION L0040081     VOLUME   461258.863 3777439.169 463.97
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LOCATION L0040082 VOLUME 461255.427 3777438.098 463.95
LOCATION L0040083 VOLUME 461251.990 3777437.027 463.91
LOCATION L0040084 VOLUME 461248.553 3777435.956 463.88
LOCATION L0040085 VOLUME 461245.116 3777434.884 463.84
LOCATION L0040086 VOLUME 461241.679 3777433.813 463.80
LOCATION L0040087 VOLUME 461238.242 3777432.742 463.76
LOCATION L0040088 VOLUME 461234.805 3777431.671 463.74
LOCATION L0040089 VOLUME 461231.368 3777430.599 463.72
LOCATION L0040090 VOLUME 461227.931 3777429.528 463.70
LOCATION L0040091 VOLUME 461224.494 3777428.457 463.67
LOCATION L0040092 VOLUME 461221.045 3777427.425 463.65
LOCATION L0040093 VOLUME 461217.590 3777426.413 463.62
LOCATION L0040094 VOLUME 461214.136 3777425.402 463.59
LOCATION L0040095 VOLUME 461210.681 3777424.390 463.55
LOCATION L0040096 VOLUME 461207.226 3777423.378 463.52
LOCATION L0040097 VOLUME 461203.771 3777422.366 463.49
LOCATION L0040098 VOLUME 461200.316 3777421.355 463.46
LOCATION L0040099 VOLUME 461196.861 3777420.343 463.43
LOCATION L0040100 VOLUME 461193.406 3777419.331 463.39
LOCATION L0040101 VOLUME 461189.951 3777418.319 463.36
LOCATION L0040102 VOLUME 461186.496 3777417.307 463.32
LOCATION L0040103 VOLUME 461183.042 3777416.296 463.29
LOCATION L0040104 VOLUME 461179.587 3777415.284 463.26
LOCATION L0040105 VOLUME 461176.132 3777414.272 463.23
LOCATION L0040106 VOLUME 461172.677 3777413.260 463.21
LOCATION L0040107 VOLUME 461169.198 3777412.349 463.19
LOCATION L0040108 VOLUME 461165.662 3777411.670 463.21
LOCATION L0040109 VOLUME 461162.127 3777410.990 463.22
LOCATION L0040110 VOLUME 461158.592 3777410.311 463.21
LOCATION L0040111 VOLUME 461155.056 3777409.632 463.19
LOCATION L0040112 VOLUME 461151.521 3777408.953 463.17
LOCATION L0040113 VOLUME 461147.986 3777408.274 463.16
LOCATION L0040114 VOLUME 461144.450 3777407.594 463.14
LOCATION L0040115 VOLUME 461140.915 3777406.915 463.12
LOCATION L0040116 VOLUME 461137.380 3777406.236 463.10
LOCATION L0040117 VOLUME 461133.844 3777405.557 463.09
LOCATION L0040118 VOLUME 461130.309 3777404.878 463.13
LOCATION L0040119 VOLUME 461126.774 3777404.198 463.17
LOCATION L0040120 VOLUME 461123.238 3777403.519 463.20
LOCATION L0040121 VOLUME 461119.703 3777402.840 463.24
LOCATION L0040122 VOLUME 461116.167 3777402.161 463.27
LOCATION L0040123 VOLUME 461112.632 3777401.482 463.30
LOCATION L0040124 VOLUME 461109.097 3777400.802 463.33
LOCATION L0040125 VOLUME 461105.561 3777400.123 463.39
LOCATION L0040126 VOLUME 461102.026 3777399.444 463.44
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LOCATION L0040128 VOLUME 461094.955 3777398.086 463.54
LOCATION L0040129 VOLUME 461091.403 3777397.510 463.59
LOCATION L0040130 VOLUME 461087.835 3777397.028 463.66
LOCATION L0040131 VOLUME 461084.268 3777396.546 463.72

LOCATION L0040132 VOLUME 461080.700 3777396.064 463.76
LOCATION L0040133 VOLUME 461077.133 3777395.582 463.81
LOCATION L0040134 VOLUME 461073.565 3777395.100 463.85
LOCATION L0040135 VOLUME 461069.998 3777394.618 463.89
LOCATION L0040136 VOLUME 461066.430 3777394.136 463.94
LOCATION L0040137 VOLUME 461062.862 3777393.654 463.98
LOCATION L0040138 VOLUME 461059.295 3777393.172 464.02
LOCATION L0040139 VOLUME 461055.727 3777392.689 464.04
LOCATION L0040140 VOLUME 461052.160 3777392.207 464.06
LOCATION L0040141 VOLUME 461048.569 3777392.018 464.10
LOCATION L0040142 VOLUME 461044.970 3777391.937 464.16
LOCATION L0040143 VOLUME 461041.371 3777391.857 464.22
LOCATION L0040144 VOLUME 461037.772 3777391.776 464.28
LOCATION L0040145 VOLUME 461034.173 3777391.695 464.34
LOCATION L0040146 VOLUME 461030.574 3777391.614 464.39
LOCATION L0040147 VOLUME 461026.975 3777391.534 464.42
LOCATION L0040148 VOLUME 461023.375 3777391.453 464.46
LOCATION L0040149 VOLUME 461019.776 3777391.372 464.50
LOCATION L0040150 VOLUME 461016.177 3777391.291 464.54
LOCATION L0040151 VOLUME 461012.578 3777391.210 464.58
LOCATION L0040152 VOLUME 461008.979 3777391.130 464.62
LOCATION L0040153 VOLUME 461005.380 3777391.049 464.65
LOCATION L0040154 VOLUME 461001.781 3777390.968 464.67
LOCATION L0040155 VOLUME 460998.182 3777390.887 464.69
LOCATION L0040156 VOLUME 460994.583 3777390.807 464.71
LOCATION L0040157 VOLUME 460990.984 3777390.726 464.74
LOCATION L0040158 VOLUME 460987.385 3777390.645 464.76
LOCATION L0040159 VOLUME 460983.785 3777390.564 464.78
LOCATION L0040160 VOLUME 460980.186 3777390.483 464.80
LOCATION L0040161 VOLUME 460976.587 3777390.403 464.81
LOCATION L0040162 VOLUME 460972.988 3777390.322 464.82
LOCATION L0040163 VOLUME 460969.389 3777390.241 464.83
LOCATION L0040164 VOLUME 460965.790 3777390.160 464.84
LOCATION L0040165 VOLUME 460962.191 3777390.080 464.85
LOCATION L0040166 VOLUME 460958.592 3777389.999 464.86
LOCATION L0040167 VOLUME 460954.993 3777389.918 464.87
LOCATION L0040168 VOLUME 460951.394 3777389.837 464.89
LOCATION L0040169 VOLUME 460947.794 3777389.756 464.91
LOCATION L0040170 VOLUME 460944.195 3777389.676 464.94
LOCATION L0040171 VOLUME 460940.596 3777389.595 464.96
LOCATION L0040172 VOLUME 460936.997 3777389.514 464.98
LOCATION L0040173 VOLUME 460933.398 3777389.433 465.00
LOCATION L0040174 VOLUME 460929.799 3777389.353 465.02
LOCATION L0040175 VOLUME 460926.200 3777389.272 465.05
LOCATION L0040176 VOLUME 460922.601 3777389.191 465.07
LOCATION L0040177 VOLUME 460919.002 3777389.110 465.10
LOCATION L0040178 VOLUME 460915.403 3777389.029 465.13
LOCATION L0040179 VOLUME 460911.804 3777388.949 465.16
LOCATION L0040180 VOLUME 460908.204 3777388.868 465.19
LOCATION L0040181 VOLUME 460904.605 3777388.787 465.21

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   LOCATION L0040182     VOLUME   460901.006 3777388.706 465.24
** End of LINE VOLUME Source ID = SLINE15
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000279
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461406.802, 3777064.261, 458.33, 3.70, 1.67
** 461403.367, 3776448.552, 445.66, 3.70, 1.67
** 461401.998, 3775830.108, 433.08, 3.70, 1.67
** 461404.732, 3775787.360, 431.96, 3.70, 1.67
** 461408.255, 3775767.888, 431.54, 3.70, 1.67
** 461411.350, 3775732.655, 430.92, 3.70, 1.67
** 461410.952, 3775681.342, 430.00, 3.70, 1.67
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   LOCATION L0040184     VOLUME   461407.707 3777256.695 462.68
   LOCATION L0040185     VOLUME   461407.758 3777253.095 462.63
   LOCATION L0040186     VOLUME   461407.809 3777249.495 462.58
   LOCATION L0040187     VOLUME   461407.861 3777245.896 462.51
   LOCATION L0040188     VOLUME   461407.912 3777242.296 462.43
   LOCATION L0040189     VOLUME   461407.963 3777238.696 462.36
   LOCATION L0040190     VOLUME   461408.014 3777235.097 462.28
   LOCATION L0040191     VOLUME   461408.065 3777231.497 462.21
   LOCATION L0040192     VOLUME   461408.116 3777227.898 462.13
   LOCATION L0040193     VOLUME   461408.167 3777224.298 462.06
   LOCATION L0040194     VOLUME   461408.218 3777220.698 461.98
   LOCATION L0040195     VOLUME   461408.269 3777217.099 461.90
   LOCATION L0040196     VOLUME   461408.320 3777213.499 461.82
   LOCATION L0040197     VOLUME   461408.371 3777209.899 461.74
   LOCATION L0040198     VOLUME   461408.422 3777206.300 461.66
   LOCATION L0040199     VOLUME   461408.474 3777202.700 461.58
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   LOCATION L0040201     VOLUME   461408.576 3777195.501 461.42
   LOCATION L0040202     VOLUME   461408.627 3777191.901 461.34
   LOCATION L0040203     VOLUME   461408.678 3777188.302 461.25
   LOCATION L0040204     VOLUME   461408.729 3777184.702 461.18
   LOCATION L0040205     VOLUME   461408.780 3777181.102 461.10
   LOCATION L0040206     VOLUME   461408.831 3777177.503 461.02
   LOCATION L0040207     VOLUME   461408.882 3777173.903 460.94
   LOCATION L0040208     VOLUME   461408.933 3777170.303 460.86
   LOCATION L0040209     VOLUME   461408.984 3777166.704 460.79
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LOCATION L0040210 VOLUME 461409.035 3777163.104 460.71
LOCATION L0040211 VOLUME 461409.086 3777159.504 460.63
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LOCATION L0040609 VOLUME 461411.308 3775727.294 430.69

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   LOCATION L0040612     VOLUME   461411.224 3775716.495 430.50
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   LOCATION L0040615     VOLUME   461411.141 3775705.695 430.33
   LOCATION L0040616     VOLUME   461411.113 3775702.095 430.28
   LOCATION L0040617     VOLUME   461411.085 3775698.495 430.24
   LOCATION L0040618     VOLUME   461411.057 3775694.895 430.19
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   LOCATION L0040620     VOLUME   461411.001 3775687.695 430.10
   LOCATION L0040621     VOLUME   461410.973 3775684.096 430.06
** End of LINE VOLUME Source ID = SLINE16
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000277
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 12
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   LOCATION L0040626     VOLUME   461420.608 3777246.113 462.51
   LOCATION L0040627     VOLUME   461420.615 3777242.513 462.43
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** End of LINE VOLUME Source ID = SLINE17
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - EB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000466
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 13
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LOCATION L0041496 VOLUME 462985.827 3775674.910 423.96
LOCATION L0041497 VOLUME 462989.427 3775674.917 423.93
LOCATION L0041498 VOLUME 462993.027 3775674.924 423.91
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   LOCATION L0041762     VOLUME   463943.421 3775672.778 417.88
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   LOCATION L0041766     VOLUME   463957.820 3775672.730 417.80
   LOCATION L0041767     VOLUME   463961.420 3775672.718 417.79
   LOCATION L0041768     VOLUME   463965.020 3775672.706 417.77
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   LOCATION L0041770     VOLUME   463972.220 3775672.682 417.74
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   LOCATION L0041772     VOLUME   463979.420 3775672.658 417.72
   LOCATION L0041773     VOLUME   463983.020 3775672.646 417.71
   LOCATION L0041774     VOLUME   463986.620 3775672.634 417.70
   LOCATION L0041775     VOLUME   463990.220 3775672.622 417.68
   LOCATION L0041776     VOLUME   463993.820 3775672.610 417.67
   LOCATION L0041777     VOLUME   463997.420 3775672.598 417.66
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   LOCATION L0041779     VOLUME   464004.620 3775672.574 417.63
   LOCATION L0041780     VOLUME   464008.220 3775672.562 417.61
   LOCATION L0041781     VOLUME   464011.820 3775672.550 417.59
   LOCATION L0041782     VOLUME   464015.420 3775672.538 417.58
   LOCATION L0041783     VOLUME   464019.020 3775672.526 417.56
   LOCATION L0041784     VOLUME   464022.620 3775672.515 417.55
   LOCATION L0041785     VOLUME   464026.220 3775672.503 417.53
   LOCATION L0041786     VOLUME   464029.820 3775672.491 417.52
   LOCATION L0041787     VOLUME   464033.420 3775672.479 417.50
   LOCATION L0041788     VOLUME   464037.020 3775672.467 417.49
   LOCATION L0041789     VOLUME   464040.620 3775672.455 417.48
   LOCATION L0041790     VOLUME   464042.829 3775673.870 417.51
   LOCATION L0041791     VOLUME   464042.908 3775677.469 417.63
   LOCATION L0041792     VOLUME   464042.988 3775681.068 417.74
** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - WB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000462
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
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** End of LINE VOLUME Source ID = SLINE19
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE20
** DESCRSRC On-Site Construction Equipment
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 0.000302
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 35
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   SRCPARAM L0039651     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039652     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039654     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039655     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039657     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039658     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039659     0.00000006365      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE11
   SRCPARAM L0039660     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039661     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039662     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039663     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039664     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039665     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039666     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039667     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039668     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039669     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039670     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039671     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039672     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039673     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039674     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039675     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039676     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039677     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039678     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039679     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039680     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039681     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039682     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039683     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039684     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039685     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039686     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039687     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039688     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039689     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039690     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039691     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039695     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039696     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039698     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039699     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039700     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039701     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039702     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039703     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039704     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039705     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039706     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039707     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039708     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039709     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039710     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039711     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039712     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039713     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039714     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039715     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039716     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039717     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039718     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039719     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039720     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039722     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039723     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039724     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039725     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039726     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039727     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039728     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039729     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039730     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039731     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039732     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039734     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039735     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039736     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039737     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039738     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039739     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039740     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039741     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039742     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039743     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039744     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039745     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039746     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039747     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039748     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039749     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039750     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039751     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039754     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039757     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039759     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039760     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039761     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039762     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039763     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039764     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039765     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039766     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039767     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039768     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039769     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039770     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039771     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039772     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039773     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039774     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039775     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039776     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039777     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039780     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039781     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039782     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039783     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039784     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039785     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039786     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039787     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039788     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039789     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039790     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039791     0.00000006356      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0039792     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039793     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039794     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039795     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039796     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039797     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039798     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039799     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039800     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039801     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039802     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039803     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039804     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039805     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039806     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039807     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039808     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039809     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039810     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039811     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039812     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039813     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039814     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039815     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039816     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039817     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039818     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039819     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039820     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039821     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039822     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039823     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039824     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039825     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039826     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039827     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039828     0.00000006316      3.70      1.67      2.89
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   SRCPARAM L0039829     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039830     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039831     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039832     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039833     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039834     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039835     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039836     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039837     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039838     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039839     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039840     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039841     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039842     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039843     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039844     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039845     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039846     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039847     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039848     0.00000006316      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE13
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   SRCPARAM L0039850     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039851     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039852     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039853     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039854     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039855     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039856     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039857     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039858     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039859     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039860     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039861     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039862     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039863     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039864     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039865     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039866     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039867     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039868     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039869     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039870     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039871     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039872     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039873     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039874     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039875     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039876     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039877     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039880     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039881     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039883     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039898     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039902     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039905     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039911     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039912     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039926     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039927     0.00000006333      3.70      1.67      2.89
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SRCPARAM L0039929     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039930     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039931     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039932     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039933     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039934     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039935     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039936     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039937     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039938     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039939     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039940     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039941     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039942     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039943     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039944     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039945     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039946     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039947     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039948     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039949     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039950     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039951     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039952     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039953     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039954     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039955     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039956     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039957     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039958     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039959     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039960     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039961     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039962     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039963     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039964     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039965     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039966     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039967     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039968     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039969     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039970     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039971     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039972     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039973     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039974     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039975     0.00000006333      3.70      1.67      2.89
SRCPARAM L0039976     0.00000006333      3.70      1.67      2.89
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   SRCPARAM L0039977     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039978     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039979     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039980     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039981     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039982     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039983     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039984     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039985     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039986     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039987     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039988     0.00000006333      3.70      1.67      2.89
   SRCPARAM L0039989     0.00000006333      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0039990     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039991     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039992     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039993     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039994     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039995     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039996     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039997     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039998     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039999     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040000     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040001     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040002     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040003     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040004     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040005     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040006     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040007     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040008     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040009     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040010     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040011     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040012     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040013     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040014     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040015     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040016     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040017     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040018     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040019     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040020     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040021     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040022     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040023     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040024     0.00000006314      3.70      1.67      2.89
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   SRCPARAM L0040025     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040026     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040027     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040028     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040029     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040030     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040031     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040032     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040033     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040034     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040035     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040036     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040037     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040038     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040039     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040040     0.00000006314      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0040041     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040042     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040043     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040044     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040045     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040046     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040047     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040048     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040049     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040050     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040051     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040052     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040053     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040054     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040055     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040056     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040057     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040058     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040059     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040060     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040061     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040062     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040063     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040064     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040065     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040066     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040067     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040068     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040069     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040070     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040071     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040072     0.00000006345      3.70      1.67      2.89
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SRCPARAM L0040073     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040074     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040075     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040076     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040077     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040078     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040079     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040080     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040081     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040082     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040083     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040084     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040085     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040086     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040087     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040088     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040089     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040090     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040091     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040092     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040093     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040094     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040095     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040096     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040097     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040098     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040099     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040100     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040101     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040102     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040103     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040104     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040105     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040106     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040107     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040108     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040109     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040110     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040111     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040112     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040113     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040114     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040115     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040116     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040117     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040118     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040119     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040120     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040121     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040122     0.00000006345      3.70      1.67      2.89
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SRCPARAM L0040123     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040124     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040125     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040126     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040127     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040128     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040129     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040130     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040131     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040132     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040133     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040134     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040135     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040136     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040137     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040138     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040139     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040140     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040141     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040142     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040143     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040144     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040145     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040146     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040147     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040148     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040149     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040150     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040151     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040152     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040153     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040154     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040155     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040156     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040157     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040158     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040159     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040160     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040161     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040162     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040163     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040164     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040165     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040166     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040167     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040168     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040169     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040170     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040171     0.00000006345      3.70      1.67      2.89
SRCPARAM L0040172     0.00000006345      3.70      1.67      2.89
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   SRCPARAM L0040173     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040174     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040175     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040176     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040177     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040178     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040179     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040180     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040181     0.00000006345      3.70      1.67      2.89
   SRCPARAM L0040182     0.00000006345      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE16
   SRCPARAM L0040183     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040184     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040185     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040186     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040187     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040188     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040189     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040190     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040191     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040192     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040193     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040194     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040195     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040196     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040197     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040198     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040199     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040200     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040201     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040202     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040203     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040204     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040205     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040206     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040207     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040208     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040209     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040210     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040211     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040212     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040213     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040214     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040215     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040216     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040217     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040218     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040219     0.00000006355      3.70      1.67      2.89
   SRCPARAM L0040220     0.00000006355      3.70      1.67      2.89
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   SRCGROUP ALL
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** AERMOD Receptor Pathway
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RE STARTING
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RE FINISHED
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** AERMOD Meteorology Pathway
**************************************
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   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
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** AERMOD Output Pathway
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   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
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   PLOTFILE 24 ALL 1ST "OLIVE GROVE RIALTO_CONSTRUCTION.AD\24H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "OLIVE GROVE RIALTO_CONSTRUCTION.AD\PE00GALL.PLT" 33
   SUMMFILE "Olive Grove Rialto_construction.sum"
OU FINISHED
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** Project Parameters
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** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 1/16/2021
** File: C:\Lakes\AERMOD View\Olive Grove Rialto_construction\Olive Grove
Rialto_construction.ADI
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** AERMOD Control Pathway
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   MODELOPT DFAULT CONC
   AVERTIME 1 24 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Olive Grove Rialto_construction.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC SR-210 WB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.02E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 461873.459, 3777383.026, 457.74, 3.70, 1.67
** 461787.495, 3777390.972, 458.44, 3.70, 1.67
** 461705.865, 3777401.808, 459.35, 3.70, 1.67
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** 461632.903, 3777420.590, 459.50, 3.70, 1.67
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** 461427.022, 3777455.265, 465.48, 3.70, 1.67
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   LOCATION L0039535     VOLUME   461868.082 3777383.523 457.53
   LOCATION L0039536     VOLUME   461864.497 3777383.854 457.58
   LOCATION L0039537     VOLUME   461860.912 3777384.186 457.63
   LOCATION L0039538     VOLUME   461857.328 3777384.517 457.68
   LOCATION L0039539     VOLUME   461853.743 3777384.848 457.73
   LOCATION L0039540     VOLUME   461850.158 3777385.180 457.75
   LOCATION L0039541     VOLUME   461846.574 3777385.511 457.77
   LOCATION L0039542     VOLUME   461842.989 3777385.842 457.78
   LOCATION L0039543     VOLUME   461839.404 3777386.174 457.80
   LOCATION L0039544     VOLUME   461835.819 3777386.505 457.81
   LOCATION L0039545     VOLUME   461832.235 3777386.836 457.83
   LOCATION L0039546     VOLUME   461828.650 3777387.168 457.85
   LOCATION L0039547     VOLUME   461825.065 3777387.499 457.85
   LOCATION L0039548     VOLUME   461821.481 3777387.831 457.84
   LOCATION L0039549     VOLUME   461817.896 3777388.162 457.83
   LOCATION L0039550     VOLUME   461814.311 3777388.493 457.82
   LOCATION L0039551     VOLUME   461810.726 3777388.825 457.82
   LOCATION L0039552     VOLUME   461807.142 3777389.156 457.81
   LOCATION L0039553     VOLUME   461803.557 3777389.487 457.79
   LOCATION L0039554     VOLUME   461799.972 3777389.819 457.81
   LOCATION L0039555     VOLUME   461796.388 3777390.150 457.89
   LOCATION L0039556     VOLUME   461792.803 3777390.481 457.96
   LOCATION L0039557     VOLUME   461789.218 3777390.813 458.04
   LOCATION L0039558     VOLUME   461785.642 3777391.218 458.13
   LOCATION L0039559     VOLUME   461782.073 3777391.692 458.23
   LOCATION L0039560     VOLUME   461778.504 3777392.165 458.33
   LOCATION L0039561     VOLUME   461774.936 3777392.639 458.43
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   LOCATION L0039563     VOLUME   461767.798 3777393.587 458.56
   LOCATION L0039564     VOLUME   461764.230 3777394.060 458.62
   LOCATION L0039565     VOLUME   461760.661 3777394.534 458.68
   LOCATION L0039566     VOLUME   461757.092 3777395.008 458.74
   LOCATION L0039567     VOLUME   461753.523 3777395.482 458.80
   LOCATION L0039568     VOLUME   461749.955 3777395.955 458.86
   LOCATION L0039569     VOLUME   461746.386 3777396.429 458.90
   LOCATION L0039570     VOLUME   461742.817 3777396.903 458.94
   LOCATION L0039571     VOLUME   461739.249 3777397.376 458.97
   LOCATION L0039572     VOLUME   461735.680 3777397.850 459.00
   LOCATION L0039573     VOLUME   461732.111 3777398.324 459.04
   LOCATION L0039574     VOLUME   461728.543 3777398.798 459.07
   LOCATION L0039575     VOLUME   461724.974 3777399.271 459.09
   LOCATION L0039576     VOLUME   461721.405 3777399.745 459.11
   LOCATION L0039577     VOLUME   461717.837 3777400.219 459.13
   LOCATION L0039578     VOLUME   461714.268 3777400.692 459.14
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LOCATION L0039579 VOLUME 461710.699 3777401.166 459.15
LOCATION L0039580 VOLUME 461707.130 3777401.640 459.16
LOCATION L0039581 VOLUME 461703.615 3777402.387 459.20
LOCATION L0039582 VOLUME 461700.129 3777403.285 459.25
LOCATION L0039583 VOLUME 461696.642 3777404.182 459.27
LOCATION L0039584 VOLUME 461693.156 3777405.079 459.28
LOCATION L0039585 VOLUME 461689.670 3777405.977 459.29
LOCATION L0039586 VOLUME 461686.183 3777406.874 459.31
LOCATION L0039587 VOLUME 461682.697 3777407.772 459.34
LOCATION L0039588 VOLUME 461679.211 3777408.669 459.36
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LOCATION L0039591 VOLUME 461668.752 3777411.362 459.49
LOCATION L0039592 VOLUME 461665.265 3777412.259 459.55
LOCATION L0039593 VOLUME 461661.779 3777413.157 459.61
LOCATION L0039594 VOLUME 461658.293 3777414.054 459.67
LOCATION L0039595 VOLUME 461654.806 3777414.952 459.74
LOCATION L0039596 VOLUME 461651.320 3777415.849 459.80
LOCATION L0039597 VOLUME 461647.833 3777416.747 459.88
LOCATION L0039598 VOLUME 461644.347 3777417.644 459.97
LOCATION L0039599 VOLUME 461640.861 3777418.542 460.07
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LOCATION L0039601 VOLUME 461633.888 3777420.337 460.26
LOCATION L0039602 VOLUME 461630.444 3777421.380 460.37
LOCATION L0039603 VOLUME 461627.017 3777422.482 460.49
LOCATION L0039604 VOLUME 461623.590 3777423.584 460.60
LOCATION L0039605 VOLUME 461620.162 3777424.685 460.72
LOCATION L0039606 VOLUME 461616.735 3777425.787 460.83
LOCATION L0039607 VOLUME 461613.308 3777426.889 460.94
LOCATION L0039608 VOLUME 461609.880 3777427.990 461.04
LOCATION L0039609 VOLUME 461606.453 3777429.092 461.13
LOCATION L0039610 VOLUME 461603.026 3777430.194 461.22
LOCATION L0039611 VOLUME 461599.598 3777431.295 461.30
LOCATION L0039612 VOLUME 461596.171 3777432.397 461.38
LOCATION L0039613 VOLUME 461592.744 3777433.498 461.46
LOCATION L0039614 VOLUME 461589.317 3777434.600 461.52
LOCATION L0039615 VOLUME 461585.889 3777435.702 461.57
LOCATION L0039616 VOLUME 461582.462 3777436.803 461.63
LOCATION L0039617 VOLUME 461579.035 3777437.905 461.68
LOCATION L0039618 VOLUME 461575.607 3777439.007 461.73
LOCATION L0039619 VOLUME 461572.179 3777440.106 461.79
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LOCATION L0039621 VOLUME 461565.233 3777442.001 461.99
LOCATION L0039622 VOLUME 461561.760 3777442.948 462.10
LOCATION L0039623 VOLUME 461558.287 3777443.895 462.21
LOCATION L0039624 VOLUME 461554.814 3777444.842 462.31
LOCATION L0039625 VOLUME 461551.341 3777445.790 462.41
LOCATION L0039626 VOLUME 461547.867 3777446.737 462.50
LOCATION L0039627 VOLUME 461544.394 3777447.684 462.59
LOCATION L0039628 VOLUME 461540.921 3777448.631 462.70

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   LOCATION L0039631     VOLUME   461530.502 3777451.473 462.99
   LOCATION L0039632     VOLUME   461527.029 3777452.420 463.07
   LOCATION L0039633     VOLUME   461523.519 3777453.120 463.14
   LOCATION L0039634     VOLUME   461519.920 3777453.200 463.18
   LOCATION L0039635     VOLUME   461516.321 3777453.280 463.24
   LOCATION L0039636     VOLUME   461512.722 3777453.360 463.30
   LOCATION L0039637     VOLUME   461509.123 3777453.440 463.36
   LOCATION L0039638     VOLUME   461505.524 3777453.520 463.42
   LOCATION L0039639     VOLUME   461501.925 3777453.600 463.48
   LOCATION L0039640     VOLUME   461498.326 3777453.680 463.54
   LOCATION L0039641     VOLUME   461494.727 3777453.760 463.59
   LOCATION L0039642     VOLUME   461491.127 3777453.840 463.66
   LOCATION L0039643     VOLUME   461487.528 3777453.920 463.74
   LOCATION L0039644     VOLUME   461483.929 3777454.000 463.81
   LOCATION L0039645     VOLUME   461480.330 3777454.080 463.88
   LOCATION L0039646     VOLUME   461476.731 3777454.160 463.95
   LOCATION L0039647     VOLUME   461473.132 3777454.240 464.02
   LOCATION L0039648     VOLUME   461469.533 3777454.320 464.09
   LOCATION L0039649     VOLUME   461465.934 3777454.400 464.21
   LOCATION L0039650     VOLUME   461462.335 3777454.480 464.34
   LOCATION L0039651     VOLUME   461458.735 3777454.560 464.47
   LOCATION L0039652     VOLUME   461455.136 3777454.640 464.60
   LOCATION L0039653     VOLUME   461451.537 3777454.720 464.73
   LOCATION L0039654     VOLUME   461447.938 3777454.800 464.86
   LOCATION L0039655     VOLUME   461444.339 3777454.880 464.99
   LOCATION L0039656     VOLUME   461440.740 3777454.960 465.12
   LOCATION L0039657     VOLUME   461437.141 3777455.040 465.24
   LOCATION L0039658     VOLUME   461433.542 3777455.120 465.37
   LOCATION L0039659     VOLUME   461429.943 3777455.200 465.50
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC SR-210 EB Off-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.39E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461014.386, 3777335.725, 462.46, 3.70, 1.67
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** 461191.463, 3777303.999, 460.63, 3.70, 1.67
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   LOCATION L0039662     VOLUME   460950.312 3777340.903 463.20
   LOCATION L0039663     VOLUME   460953.900 3777340.613 463.17
   LOCATION L0039664     VOLUME   460957.489 3777340.323 463.14
   LOCATION L0039665     VOLUME   460961.077 3777340.033 463.10
   LOCATION L0039666     VOLUME   460964.665 3777339.743 463.07
   LOCATION L0039667     VOLUME   460968.254 3777339.453 463.04
   LOCATION L0039668     VOLUME   460971.842 3777339.163 463.00
   LOCATION L0039669     VOLUME   460975.430 3777338.873 462.97
   LOCATION L0039670     VOLUME   460979.018 3777338.583 462.94
   LOCATION L0039671     VOLUME   460982.607 3777338.293 462.91
   LOCATION L0039672     VOLUME   460986.195 3777338.003 462.87
   LOCATION L0039673     VOLUME   460989.783 3777337.713 462.83
   LOCATION L0039674     VOLUME   460993.372 3777337.423 462.80
   LOCATION L0039675     VOLUME   460996.960 3777337.133 462.76
   LOCATION L0039676     VOLUME   461000.548 3777336.843 462.72
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   LOCATION L0039678     VOLUME   461007.725 3777336.263 462.65
   LOCATION L0039679     VOLUME   461011.313 3777335.973 462.61
   LOCATION L0039680     VOLUME   461014.900 3777335.670 462.57
   LOCATION L0039681     VOLUME   461018.480 3777335.291 462.53
   LOCATION L0039682     VOLUME   461022.060 3777334.912 462.50
   LOCATION L0039683     VOLUME   461025.640 3777334.533 462.46
   LOCATION L0039684     VOLUME   461029.220 3777334.154 462.42
   LOCATION L0039685     VOLUME   461032.800 3777333.775 462.38
   LOCATION L0039686     VOLUME   461036.380 3777333.396 462.34
   LOCATION L0039687     VOLUME   461039.960 3777333.017 462.30
   LOCATION L0039688     VOLUME   461043.540 3777332.638 462.26
   LOCATION L0039689     VOLUME   461047.120 3777332.259 462.22
   LOCATION L0039690     VOLUME   461050.700 3777331.880 462.18
   LOCATION L0039691     VOLUME   461054.280 3777331.501 462.14
   LOCATION L0039692     VOLUME   461057.860 3777331.122 462.10
   LOCATION L0039693     VOLUME   461061.440 3777330.743 462.05
   LOCATION L0039694     VOLUME   461065.020 3777330.364 462.00
   LOCATION L0039695     VOLUME   461068.600 3777329.985 461.96
   LOCATION L0039696     VOLUME   461072.180 3777329.606 461.91
   LOCATION L0039697     VOLUME   461075.760 3777329.226 461.86
   LOCATION L0039698     VOLUME   461079.325 3777328.731 461.81
   LOCATION L0039699     VOLUME   461082.880 3777328.165 461.77
   LOCATION L0039700     VOLUME   461086.435 3777327.599 461.72
   LOCATION L0039701     VOLUME   461089.990 3777327.034 461.68
   LOCATION L0039702     VOLUME   461093.546 3777326.468 461.63
   LOCATION L0039703     VOLUME   461097.101 3777325.903 461.58
   LOCATION L0039704     VOLUME   461100.656 3777325.337 461.53
   LOCATION L0039705     VOLUME   461104.212 3777324.771 461.48
   LOCATION L0039706     VOLUME   461107.767 3777324.206 461.43
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LOCATION L0039710 VOLUME 461121.988 3777321.943 461.22
LOCATION L0039711 VOLUME 461125.543 3777321.378 461.16
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LOCATION L0039713 VOLUME 461132.654 3777320.247 461.05
LOCATION L0039714 VOLUME 461136.209 3777319.681 461.00
LOCATION L0039715 VOLUME 461139.765 3777319.115 460.95
LOCATION L0039716 VOLUME 461143.281 3777318.381 460.90
LOCATION L0039717 VOLUME 461146.731 3777317.351 460.86
LOCATION L0039718 VOLUME 461150.181 3777316.322 460.82
LOCATION L0039719 VOLUME 461153.630 3777315.292 460.78
LOCATION L0039720 VOLUME 461157.080 3777314.262 460.74
LOCATION L0039721 VOLUME 461160.529 3777313.233 460.69
LOCATION L0039722 VOLUME 461163.979 3777312.203 460.68
LOCATION L0039723 VOLUME 461167.429 3777311.173 460.71
LOCATION L0039724 VOLUME 461170.878 3777310.143 460.74
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LOCATION L0039726 VOLUME 461177.777 3777308.084 460.78
LOCATION L0039727 VOLUME 461181.227 3777307.054 460.80
LOCATION L0039728 VOLUME 461184.676 3777306.024 460.81
LOCATION L0039729 VOLUME 461188.126 3777304.995 460.83
LOCATION L0039730 VOLUME 461191.573 3777303.957 460.85
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LOCATION L0039737 VOLUME 461215.147 3777295.051 460.97
LOCATION L0039738 VOLUME 461218.515 3777293.779 460.98
LOCATION L0039739 VOLUME 461221.882 3777292.507 460.99
LOCATION L0039740 VOLUME 461225.250 3777291.235 460.99
LOCATION L0039741 VOLUME 461228.618 3777289.962 461.00
LOCATION L0039742 VOLUME 461231.985 3777288.690 461.00
LOCATION L0039743 VOLUME 461235.353 3777287.418 461.01
LOCATION L0039744 VOLUME 461238.721 3777286.146 461.02
LOCATION L0039745 VOLUME 461242.088 3777284.873 461.04
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LOCATION L0039747 VOLUME 461248.824 3777282.329 461.09
LOCATION L0039748 VOLUME 461252.192 3777281.057 461.11
LOCATION L0039749 VOLUME 461255.559 3777279.784 461.13
LOCATION L0039750 VOLUME 461258.971 3777278.656 461.14
LOCATION L0039751 VOLUME 461262.477 3777277.842 461.13
LOCATION L0039752 VOLUME 461265.984 3777277.028 461.16
LOCATION L0039753 VOLUME 461269.491 3777276.214 461.18
LOCATION L0039754 VOLUME 461272.998 3777275.400 461.21
LOCATION L0039755 VOLUME 461276.504 3777274.586 461.23
LOCATION L0039756 VOLUME 461280.011 3777273.772 461.25

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   LOCATION L0039758     VOLUME   461287.025 3777272.144 461.29
   LOCATION L0039759     VOLUME   461290.531 3777271.330 461.31
   LOCATION L0039760     VOLUME   461294.038 3777270.516 461.34
   LOCATION L0039761     VOLUME   461297.545 3777269.702 461.36
   LOCATION L0039762     VOLUME   461301.094 3777269.156 461.38
   LOCATION L0039763     VOLUME   461304.681 3777268.846 461.39
   LOCATION L0039764     VOLUME   461308.268 3777268.536 461.39
   LOCATION L0039765     VOLUME   461311.854 3777268.226 461.40
   LOCATION L0039766     VOLUME   461315.441 3777267.916 461.41
   LOCATION L0039767     VOLUME   461319.027 3777267.606 461.42
   LOCATION L0039768     VOLUME   461322.614 3777267.296 461.43
   LOCATION L0039769     VOLUME   461326.201 3777266.986 461.44
   LOCATION L0039770     VOLUME   461329.787 3777266.676 461.45
   LOCATION L0039771     VOLUME   461333.374 3777266.366 461.46
   LOCATION L0039772     VOLUME   461336.961 3777266.056 461.47
   LOCATION L0039773     VOLUME   461340.547 3777265.746 461.49
   LOCATION L0039774     VOLUME   461344.134 3777265.436 461.54
   LOCATION L0039775     VOLUME   461347.720 3777265.126 461.58
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   LOCATION L0039778     VOLUME   461358.480 3777264.197 461.70
   LOCATION L0039779     VOLUME   461362.078 3777264.103 461.74
   LOCATION L0039780     VOLUME   461365.678 3777264.043 461.78
   LOCATION L0039781     VOLUME   461369.277 3777263.982 461.88
   LOCATION L0039782     VOLUME   461372.877 3777263.921 461.98
   LOCATION L0039783     VOLUME   461376.476 3777263.860 462.09
   LOCATION L0039784     VOLUME   461380.076 3777263.800 462.19
   LOCATION L0039785     VOLUME   461383.675 3777263.739 462.29
   LOCATION L0039786     VOLUME   461387.275 3777263.678 462.39
   LOCATION L0039787     VOLUME   461390.874 3777263.618 462.49
   LOCATION L0039788     VOLUME   461394.474 3777263.557 462.55
   LOCATION L0039789     VOLUME   461398.073 3777263.496 462.61
   LOCATION L0039790     VOLUME   461401.673 3777263.436 462.66
   LOCATION L0039791     VOLUME   461405.272 3777263.375 462.72
** End of LINE VOLUME Source ID = SLINE11
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Alder Ave - between SR-210 EB & WB Off-Ramps - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 3.6E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
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** 461415.786, 3777452.432, 465.79, 3.70, 1.67
** 461409.316, 3777440.831, 465.63, 3.70, 1.67
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   LOCATION L0039793     VOLUME   461423.019 3777454.112 465.74
   LOCATION L0039794     VOLUME   461419.513 3777453.298 465.85
   LOCATION L0039795     VOLUME   461416.006 3777452.483 465.91
   LOCATION L0039796     VOLUME   461414.143 3777449.485 465.85
   LOCATION L0039797     VOLUME   461412.389 3777446.341 465.79
   LOCATION L0039798     VOLUME   461410.636 3777443.197 465.74
   LOCATION L0039799     VOLUME   461409.310 3777439.940 465.70
   LOCATION L0039800     VOLUME   461409.286 3777436.340 465.68
   LOCATION L0039801     VOLUME   461409.261 3777432.740 465.59
   LOCATION L0039802     VOLUME   461409.236 3777429.141 465.44
   LOCATION L0039803     VOLUME   461409.212 3777425.541 465.28
   LOCATION L0039804     VOLUME   461409.187 3777421.941 465.13
   LOCATION L0039805     VOLUME   461409.163 3777418.341 464.98
   LOCATION L0039806     VOLUME   461409.138 3777414.741 464.82
   LOCATION L0039807     VOLUME   461409.113 3777411.141 464.67
   LOCATION L0039808     VOLUME   461409.089 3777407.541 464.52
   LOCATION L0039809     VOLUME   461409.064 3777403.941 464.36
   LOCATION L0039810     VOLUME   461409.040 3777400.341 463.72
   LOCATION L0039811     VOLUME   461409.015 3777396.741 463.08
   LOCATION L0039812     VOLUME   461408.990 3777393.141 462.44
   LOCATION L0039813     VOLUME   461408.966 3777389.541 461.80
   LOCATION L0039814     VOLUME   461408.941 3777385.942 461.16
   LOCATION L0039815     VOLUME   461408.917 3777382.342 460.52
   LOCATION L0039816     VOLUME   461408.892 3777378.742 459.88
   LOCATION L0039817     VOLUME   461408.867 3777375.142 459.24
   LOCATION L0039818     VOLUME   461408.843 3777371.542 458.81
   LOCATION L0039819     VOLUME   461408.818 3777367.942 458.64
   LOCATION L0039820     VOLUME   461408.794 3777364.342 458.47
   LOCATION L0039821     VOLUME   461408.769 3777360.742 458.30
   LOCATION L0039822     VOLUME   461408.744 3777357.142 458.13
   LOCATION L0039823     VOLUME   461408.720 3777353.542 457.96
   LOCATION L0039824     VOLUME   461408.695 3777349.942 457.79
   LOCATION L0039825     VOLUME   461408.671 3777346.342 457.61
   LOCATION L0039826     VOLUME   461408.646 3777342.743 457.44
   LOCATION L0039827     VOLUME   461408.621 3777339.143 457.80
   LOCATION L0039828     VOLUME   461408.597 3777335.543 458.22
   LOCATION L0039829     VOLUME   461408.572 3777331.943 458.63
   LOCATION L0039830     VOLUME   461408.548 3777328.343 459.05
   LOCATION L0039831     VOLUME   461408.523 3777324.743 459.46
   LOCATION L0039832     VOLUME   461408.498 3777321.143 459.88
   LOCATION L0039833     VOLUME   461408.474 3777317.543 460.30
   LOCATION L0039834     VOLUME   461408.449 3777313.943 460.71
   LOCATION L0039835     VOLUME   461408.425 3777310.343 461.07
   LOCATION L0039836     VOLUME   461408.400 3777306.743 461.30
   LOCATION L0039837     VOLUME   461408.375 3777303.143 461.54
   LOCATION L0039838     VOLUME   461408.351 3777299.544 461.77
   LOCATION L0039839     VOLUME   461408.326 3777295.944 462.01
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   LOCATION L0039840     VOLUME   461408.302 3777292.344 462.24
   LOCATION L0039841     VOLUME   461408.277 3777288.744 462.48
   LOCATION L0039842     VOLUME   461408.252 3777285.144 462.71
   LOCATION L0039843     VOLUME   461408.228 3777281.544 462.95
   LOCATION L0039844     VOLUME   461408.203 3777277.944 462.96
   LOCATION L0039845     VOLUME   461408.179 3777274.344 462.91
   LOCATION L0039846     VOLUME   461408.154 3777270.744 462.86
   LOCATION L0039847     VOLUME   461408.129 3777267.144 462.82
   LOCATION L0039848     VOLUME   461408.105 3777263.544 462.77
** End of LINE VOLUME Source ID = SLINE12
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC SR-210 EB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.93E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 8
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   LOCATION L0039850     VOLUME   461425.876 3777262.994 462.57
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   LOCATION L0039854     VOLUME   461440.276 3777263.046 462.08
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   LOCATION L0039864     VOLUME   461476.276 3777263.176 460.86
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   LOCATION L0039868     VOLUME   461490.668 3777263.441 460.58
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LOCATION L0039875 VOLUME 461515.801 3777265.274 460.04
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LOCATION L0039931 VOLUME 461710.712 3777314.578 455.28
LOCATION L0039932 VOLUME 461714.196 3777315.486 455.26
LOCATION L0039933 VOLUME 461717.679 3777316.395 455.24
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LOCATION L0039935 VOLUME 461724.698 3777317.949 455.21
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LOCATION L0039937 VOLUME 461731.834 3777318.905 455.18
LOCATION L0039938 VOLUME 461735.402 3777319.383 455.17
LOCATION L0039939 VOLUME 461738.970 3777319.861 455.16
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LOCATION L0039941 VOLUME 461746.107 3777320.816 455.13
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LOCATION L0039943 VOLUME 461753.243 3777321.772 455.10
LOCATION L0039944 VOLUME 461756.811 3777322.250 455.09
LOCATION L0039945 VOLUME 461760.379 3777322.728 455.07
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LOCATION L0039947 VOLUME 461767.516 3777323.684 455.04
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LOCATION L0039949 VOLUME 461774.652 3777324.639 455.00
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LOCATION L0039959 VOLUME 461810.455 3777328.289 455.05
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LOCATION L0039964 VOLUME 461828.396 3777329.744 455.04
LOCATION L0039965 VOLUME 461831.984 3777330.035 455.01
LOCATION L0039966 VOLUME 461835.582 3777330.104 455.00
LOCATION L0039967 VOLUME 461839.182 3777330.128 454.99
LOCATION L0039968 VOLUME 461842.782 3777330.153 454.98

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   LOCATION L0039973     VOLUME   461860.781 3777330.276 454.89
   LOCATION L0039974     VOLUME   461864.381 3777330.301 454.87
   LOCATION L0039975     VOLUME   461867.981 3777330.326 454.84
   LOCATION L0039976     VOLUME   461871.581 3777330.350 454.81
   LOCATION L0039977     VOLUME   461875.181 3777330.375 454.78
   LOCATION L0039978     VOLUME   461878.781 3777330.400 454.75
   LOCATION L0039979     VOLUME   461882.381 3777330.424 454.72
   LOCATION L0039980     VOLUME   461885.981 3777330.449 454.69
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   LOCATION L0039985     VOLUME   461903.980 3777330.572 454.54
   LOCATION L0039986     VOLUME   461907.580 3777330.597 454.51
   LOCATION L0039987     VOLUME   461911.180 3777330.622 454.48
   LOCATION L0039988     VOLUME   461914.780 3777330.646 454.45
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** End of LINE VOLUME Source ID = SLINE13
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Alder Ave - between SR-210 EB and WB Off-Ramps - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 3.22E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
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   LOCATION L0039992     VOLUME   461420.699 3777274.301 462.89
   LOCATION L0039993     VOLUME   461420.699 3777277.901 462.93
   LOCATION L0039994     VOLUME   461420.699 3777281.501 462.92
   LOCATION L0039995     VOLUME   461420.699 3777285.101 462.68
   LOCATION L0039996     VOLUME   461420.699 3777288.701 462.44
   LOCATION L0039997     VOLUME   461420.699 3777292.301 462.20
   LOCATION L0039998     VOLUME   461420.699 3777295.901 461.96
   LOCATION L0039999     VOLUME   461420.699 3777299.501 461.72
   LOCATION L0040000     VOLUME   461420.699 3777303.101 461.48
   LOCATION L0040001     VOLUME   461420.699 3777306.701 461.24
   LOCATION L0040002     VOLUME   461420.699 3777310.301 461.00
   LOCATION L0040003     VOLUME   461420.699 3777313.901 460.65
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   LOCATION L0040005     VOLUME   461420.699 3777321.101 459.80
   LOCATION L0040006     VOLUME   461420.699 3777324.701 459.38
   LOCATION L0040007     VOLUME   461420.699 3777328.301 458.96
   LOCATION L0040008     VOLUME   461420.699 3777331.901 458.53
   LOCATION L0040009     VOLUME   461420.699 3777335.501 458.11
   LOCATION L0040010     VOLUME   461420.699 3777339.101 457.69
   LOCATION L0040011     VOLUME   461420.699 3777342.701 457.33
   LOCATION L0040012     VOLUME   461420.699 3777346.301 457.51
   LOCATION L0040013     VOLUME   461420.699 3777349.901 457.69
   LOCATION L0040014     VOLUME   461420.699 3777353.501 457.87
   LOCATION L0040015     VOLUME   461420.699 3777357.101 458.05
   LOCATION L0040016     VOLUME   461420.699 3777360.701 458.23
   LOCATION L0040017     VOLUME   461420.699 3777364.301 458.41
   LOCATION L0040018     VOLUME   461420.699 3777367.901 458.60
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   LOCATION L0040020     VOLUME   461420.699 3777375.101 459.22
   LOCATION L0040021     VOLUME   461420.699 3777378.701 459.87
   LOCATION L0040022     VOLUME   461420.699 3777382.301 460.53
   LOCATION L0040023     VOLUME   461420.699 3777385.901 461.18
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   LOCATION L0040026     VOLUME   461420.699 3777396.701 463.15
   LOCATION L0040027     VOLUME   461420.699 3777400.301 463.80
   LOCATION L0040028     VOLUME   461420.699 3777403.901 464.46
   LOCATION L0040029     VOLUME   461420.699 3777407.501 464.61
   LOCATION L0040030     VOLUME   461420.699 3777411.101 464.76
   LOCATION L0040031     VOLUME   461420.699 3777414.701 464.90
   LOCATION L0040032     VOLUME   461420.699 3777418.301 465.05
   LOCATION L0040033     VOLUME   461420.699 3777421.901 465.19
   LOCATION L0040034     VOLUME   461420.699 3777425.501 465.34
   LOCATION L0040035     VOLUME   461420.699 3777429.101 465.48
   LOCATION L0040036     VOLUME   461420.699 3777432.701 465.62
   LOCATION L0040037     VOLUME   461420.699 3777436.301 465.71
   LOCATION L0040038     VOLUME   461420.699 3777439.901 465.74
   LOCATION L0040039     VOLUME   461420.699 3777443.501 465.76
   LOCATION L0040040     VOLUME   461420.699 3777447.101 465.78
** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC SR-210 WB On-Ramp
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 9.01E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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   LOCATION L0040043     VOLUME   461393.836 3777456.108 465.41
   LOCATION L0040044     VOLUME   461390.236 3777456.096 465.33
   LOCATION L0040045     VOLUME   461386.636 3777456.083 465.25
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   LOCATION L0040047     VOLUME   461379.436 3777456.058 465.10
   LOCATION L0040048     VOLUME   461375.836 3777456.045 465.02
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   LOCATION L0040057     VOLUME   461343.480 3777454.725 464.65
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   LOCATION L0040062     VOLUME   461325.521 3777453.506 464.55
   LOCATION L0040063     VOLUME   461321.929 3777453.263 464.53
   LOCATION L0040064     VOLUME   461318.337 3777453.019 464.51
   LOCATION L0040065     VOLUME   461314.746 3777452.775 464.49
   LOCATION L0040066     VOLUME   461311.208 3777452.126 464.48
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   LOCATION L0040075     VOLUME   461279.485 3777445.597 464.28
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   LOCATION L0040077     VOLUME   461272.611 3777443.454 464.18
   LOCATION L0040078     VOLUME   461269.174 3777442.383 464.12
   LOCATION L0040079     VOLUME   461265.737 3777441.312 464.06
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LOCATION L0040137 VOLUME 461062.862 3777393.654 463.98
LOCATION L0040138 VOLUME 461059.295 3777393.172 464.02
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LOCATION L0040140 VOLUME 461052.160 3777392.207 464.06
LOCATION L0040141 VOLUME 461048.569 3777392.018 464.10
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LOCATION L0040144 VOLUME 461037.772 3777391.776 464.28
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LOCATION L0040148 VOLUME 461023.375 3777391.453 464.46
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LOCATION L0040157 VOLUME 460990.984 3777390.726 464.74
LOCATION L0040158 VOLUME 460987.385 3777390.645 464.76
LOCATION L0040159 VOLUME 460983.785 3777390.564 464.78
LOCATION L0040160 VOLUME 460980.186 3777390.483 464.80
LOCATION L0040161 VOLUME 460976.587 3777390.403 464.81
LOCATION L0040162 VOLUME 460972.988 3777390.322 464.82
LOCATION L0040163 VOLUME 460969.389 3777390.241 464.83
LOCATION L0040164 VOLUME 460965.790 3777390.160 464.84
LOCATION L0040165 VOLUME 460962.191 3777390.080 464.85
LOCATION L0040166 VOLUME 460958.592 3777389.999 464.86
LOCATION L0040167 VOLUME 460954.993 3777389.918 464.87
LOCATION L0040168 VOLUME 460951.394 3777389.837 464.89
LOCATION L0040169 VOLUME 460947.794 3777389.756 464.91
LOCATION L0040170 VOLUME 460944.195 3777389.676 464.94
LOCATION L0040171 VOLUME 460940.596 3777389.595 464.96
LOCATION L0040172 VOLUME 460936.997 3777389.514 464.98
LOCATION L0040173 VOLUME 460933.398 3777389.433 465.00
LOCATION L0040174 VOLUME 460929.799 3777389.353 465.02
LOCATION L0040175 VOLUME 460926.200 3777389.272 465.05
LOCATION L0040176 VOLUME 460922.601 3777389.191 465.07
LOCATION L0040177 VOLUME 460919.002 3777389.110 465.10
LOCATION L0040178 VOLUME 460915.403 3777389.029 465.13
LOCATION L0040179 VOLUME 460911.804 3777388.949 465.16
LOCATION L0040180 VOLUME 460908.204 3777388.868 465.19
LOCATION L0040181 VOLUME 460904.605 3777388.787 465.21

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   LOCATION L0040182     VOLUME   460901.006 3777388.706 465.24
** End of LINE VOLUME Source ID = SLINE15
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Alder Ave - SR-210 EB Off-Ramp to Baseline Rd - SB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000279
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 461409.287, 3777145.386, 460.25, 3.70, 1.67
** 461406.802, 3777064.261, 458.33, 3.70, 1.67
** 461403.367, 3776448.552, 445.66, 3.70, 1.67
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** 461410.952, 3775681.342, 430.00, 3.70, 1.67
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   LOCATION L0040184     VOLUME   461407.707 3777256.695 462.68
   LOCATION L0040185     VOLUME   461407.758 3777253.095 462.63
   LOCATION L0040186     VOLUME   461407.809 3777249.495 462.58
   LOCATION L0040187     VOLUME   461407.861 3777245.896 462.51
   LOCATION L0040188     VOLUME   461407.912 3777242.296 462.43
   LOCATION L0040189     VOLUME   461407.963 3777238.696 462.36
   LOCATION L0040190     VOLUME   461408.014 3777235.097 462.28
   LOCATION L0040191     VOLUME   461408.065 3777231.497 462.21
   LOCATION L0040192     VOLUME   461408.116 3777227.898 462.13
   LOCATION L0040193     VOLUME   461408.167 3777224.298 462.06
   LOCATION L0040194     VOLUME   461408.218 3777220.698 461.98
   LOCATION L0040195     VOLUME   461408.269 3777217.099 461.90
   LOCATION L0040196     VOLUME   461408.320 3777213.499 461.82
   LOCATION L0040197     VOLUME   461408.371 3777209.899 461.74
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   LOCATION L0040199     VOLUME   461408.474 3777202.700 461.58
   LOCATION L0040200     VOLUME   461408.525 3777199.100 461.50
   LOCATION L0040201     VOLUME   461408.576 3777195.501 461.42
   LOCATION L0040202     VOLUME   461408.627 3777191.901 461.34
   LOCATION L0040203     VOLUME   461408.678 3777188.302 461.25
   LOCATION L0040204     VOLUME   461408.729 3777184.702 461.18
   LOCATION L0040205     VOLUME   461408.780 3777181.102 461.10
   LOCATION L0040206     VOLUME   461408.831 3777177.503 461.02
   LOCATION L0040207     VOLUME   461408.882 3777173.903 460.94
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   LOCATION L0040209     VOLUME   461408.984 3777166.704 460.79
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LOCATION L0040608 VOLUME 461411.336 3775730.894 430.75
LOCATION L0040609 VOLUME 461411.308 3775727.294 430.69

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   LOCATION L0040612     VOLUME   461411.224 3775716.495 430.50
   LOCATION L0040613     VOLUME   461411.197 3775712.895 430.43
   LOCATION L0040614     VOLUME   461411.169 3775709.295 430.37
   LOCATION L0040615     VOLUME   461411.141 3775705.695 430.33
   LOCATION L0040616     VOLUME   461411.113 3775702.095 430.28
   LOCATION L0040617     VOLUME   461411.085 3775698.495 430.24
   LOCATION L0040618     VOLUME   461411.057 3775694.895 430.19
   LOCATION L0040619     VOLUME   461411.029 3775691.295 430.15
   LOCATION L0040620     VOLUME   461411.001 3775687.695 430.10
   LOCATION L0040621     VOLUME   461410.973 3775684.096 430.06
** End of LINE VOLUME Source ID = SLINE16
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC Alder Ave - SR-210 EB On-Ramp to Baseline Rd - NB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000277
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 12
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** 461418.862, 3777092.889, 459.22, 3.70, 1.67
** 461419.576, 3777038.127, 457.60, 3.70, 1.67
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   LOCATION L0040623     VOLUME   461420.587 3777256.913 462.68
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   LOCATION L0040626     VOLUME   461420.608 3777246.113 462.51
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** End of LINE VOLUME Source ID = SLINE17
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - EB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000466
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 13
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** 461911.997, 3775679.483, 429.04, 3.70, 1.67
** 461991.843, 3775677.719, 428.42, 3.70, 1.67
** 462203.979, 3775676.973, 427.60, 3.70, 1.67
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LOCATION L0041758 VOLUME 463929.021 3775672.825 418.05

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   LOCATION L0041790     VOLUME   464042.829 3775673.870 417.51
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** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Baseline Rd - Alder Ave to Site Entrance - WB
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 0.0000462
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
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LOCATION L0042484 VOLUME 461551.249 3775690.024 429.89

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   LOCATION L0042487     VOLUME   461540.449 3775690.075 429.92
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   LOCATION L0042503     VOLUME   461482.850 3775690.348 429.99
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   LOCATION L0042506     VOLUME   461472.050 3775690.400 430.04
   LOCATION L0042507     VOLUME   461468.450 3775690.417 430.05
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   LOCATION L0042509     VOLUME   461461.250 3775690.451 430.09
   LOCATION L0042510     VOLUME   461457.650 3775690.468 430.11
   LOCATION L0042511     VOLUME   461454.050 3775690.485 430.12
   LOCATION L0042512     VOLUME   461450.450 3775690.502 430.14
   LOCATION L0042513     VOLUME   461446.850 3775690.519 430.16
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   LOCATION L0042516     VOLUME   461436.050 3775690.570 430.21
   LOCATION L0042517     VOLUME   461432.450 3775690.587 430.20
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   LOCATION L0042519     VOLUME   461425.250 3775690.621 430.18
** End of LINE VOLUME Source ID = SLINE19
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE20
** DESCRSRC On-Site Construction Equipment
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 0.000302
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 35
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   SRCPARAM L0039567     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039570     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039573     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039574     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039580     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039582     0.00000006365      3.70      1.67      2.89
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SRCPARAM L0039600     0.00000006365      3.70      1.67      2.89
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SRCPARAM L0039616     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039617     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039618     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039619     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039620     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039621     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039622     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039623     0.00000006365      3.70      1.67      2.89
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SRCPARAM L0039627     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039628     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039629     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039630     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039631     0.00000006365      3.70      1.67      2.89
SRCPARAM L0039632     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039638     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039640     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039641     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039658     0.00000006365      3.70      1.67      2.89
   SRCPARAM L0039659     0.00000006365      3.70      1.67      2.89
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   SRCPARAM L0039661     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039663     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039665     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039666     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039667     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039668     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039669     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039670     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039671     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039672     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039673     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039674     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039675     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039676     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039677     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039678     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039680     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039684     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039685     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039686     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039687     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039688     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039689     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039691     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039695     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039696     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039699     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039700     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039701     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039702     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039703     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039704     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039705     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039706     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039707     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039713     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039714     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039715     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039717     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039722     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039723     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039726     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039727     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039730     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039731     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039734     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039735     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039736     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039737     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039738     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039739     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039740     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039741     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039742     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039743     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039744     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039750     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039752     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039760     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039761     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039762     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039763     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039764     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039765     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039766     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039767     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039768     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039769     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039774     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039775     0.00000006356      3.70      1.67      2.89
SRCPARAM L0039776     0.00000006356      3.70      1.67      2.89
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SRCPARAM L0039780     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039781     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039782     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039783     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039785     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039788     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039790     0.00000006356      3.70      1.67      2.89
   SRCPARAM L0039791     0.00000006356      3.70      1.67      2.89
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   SRCPARAM L0039793     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039794     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039795     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039796     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039797     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039798     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039799     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039800     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039801     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039802     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039803     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039804     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039805     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039806     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039807     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039808     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039809     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039810     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039811     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039812     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039813     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039814     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039815     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039816     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039817     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039818     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039819     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039820     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039821     0.00000006316      3.70      1.67      2.89
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   SRCPARAM L0039826     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039827     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039828     0.00000006316      3.70      1.67      2.89
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   SRCPARAM L0039829     0.00000006316      3.70      1.67      2.89
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   SRCPARAM L0039832     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039833     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039834     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039835     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039836     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039837     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039838     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039839     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039840     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039841     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039842     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039843     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039844     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039845     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039846     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039847     0.00000006316      3.70      1.67      2.89
   SRCPARAM L0039848     0.00000006316      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE13
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   SRCPARAM L0039993     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039994     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039995     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039996     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039997     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039998     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0039999     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040000     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040001     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040002     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040003     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040004     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040005     0.00000006314      3.70      1.67      2.89
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   SRCPARAM L0040008     0.00000006314      3.70      1.67      2.89
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   SRCPARAM L0040012     0.00000006314      3.70      1.67      2.89
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   SRCPARAM L0040018     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040019     0.00000006314      3.70      1.67      2.89
   SRCPARAM L0040020     0.00000006314      3.70      1.67      2.89
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   SRCPARAM L0036088     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036089     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036090     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036091     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036092     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036093     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036094     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036095     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036096     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036097     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036098     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036099     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036100     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036101     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036102     0.0000001761      3.66      2.33      2.89
   SRCPARAM L0036103     0.0000001761      3.66      2.33      2.89
** ------------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Olive Grove Rialto_construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
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************************************
** AERMOD Output Pathway
************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLIVE GROVE RIALTO_CONSTRUCTION.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "OLIVE GROVE RIALTO_CONSTRUCTION.AD\24H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "OLIVE GROVE RIALTO_CONSTRUCTION.AD\PE00GALL.PLT" 33
   SUMMFILE "Olive Grove Rialto_construction.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    9748       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    9748       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                ***     MODEL SETUP OPTIONS SUMMARY
 ***
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 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      5.6 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Olive Grove Rialto_construction.err

 **File for Summary of Results:   Olive Grove Rialto_construction.sum

 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039534	0	0.63650E-07	461871.7	3777383.2	457.5	3.70	1.67	2.89	YES
L0039535	0	0.63650E-07	461868.1	3777383.5	457.5	3.70	1.67	2.89	YES
L0039536	0	0.63650E-07	461864.5	3777383.9	457.6	3.70	1.67	2.89	YES
L0039537	0	0.63650E-07	461860.9	3777384.2	457.6	3.70	1.67	2.89	YES
L0039538	0	0.63650E-07	461857.3	3777384.5	457.7	3.70	1.67	2.89	YES
L0039539	0	0.63650E-07	461853.7	3777384.8	457.7	3.70	1.67	2.89	YES
L0039540	0	0.63650E-07	461850.2	3777385.2	457.8	3.70	1.67	2.89	YES
L0039541	0	0.63650E-07	461846.6	3777385.5	457.8	3.70	1.67	2.89	YES
L0039542	0	0.63650E-07	461843.0	3777385.8	457.8	3.70	1.67	2.89	YES
L0039543	0	0.63650E-07	461839.4	3777386.2	457.8	3.70	1.67	2.89	YES
L0039544	0	0.63650E-07	461835.8	3777386.5	457.8	3.70	1.67	2.89	YES
L0039545	0	0.63650E-07	461832.2	3777386.8	457.8	3.70	1.67	2.89	YES
L0039546	0	0.63650E-07	461828.6	3777387.2	457.9	3.70	1.67	2.89	YES
L0039547	0	0.63650E-07	461825.1	3777387.5	457.9	3.70	1.67	2.89	YES
L0039548	0	0.63650E-07	461821.5	3777387.8	457.8	3.70	1.67	2.89	YES
L0039549	0	0.63650E-07	461817.9	3777388.2	457.8	3.70	1.67	2.89	YES
L0039550	0	0.63650E-07	461814.3	3777388.5	457.8	3.70	1.67	2.89	YES
L0039551	0	0.63650E-07	461810.7	3777388.8	457.8	3.70	1.67	2.89	YES
L0039552	0	0.63650E-07	461807.1	3777389.2	457.8	3.70	1.67	2.89	YES
L0039553	0	0.63650E-07	461803.6	3777389.5	457.8	3.70	1.67	2.89	YES
L0039554	0	0.63650E-07	461800.0	3777389.8	457.8	3.70	1.67	2.89	YES
L0039555	0	0.63650E-07	461796.4	3777390.1	457.9	3.70	1.67	2.89	YES
L0039556	0	0.63650E-07	461792.8	3777390.5	458.0	3.70	1.67	2.89	YES
L0039557	0	0.63650E-07	461789.2	3777390.8	458.0	3.70	1.67	2.89	YES

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 L0039558         0   0.63650E-07  461785.6 3777391.2   458.1     3.70     1.67
2.89     YES
 L0039559         0   0.63650E-07  461782.1 3777391.7   458.2     3.70     1.67
2.89     YES
 L0039560         0   0.63650E-07  461778.5 3777392.2   458.3     3.70     1.67
2.89     YES
 L0039561         0   0.63650E-07  461774.9 3777392.6   458.4     3.70     1.67
2.89     YES
 L0039562         0   0.63650E-07  461771.4 3777393.1   458.5     3.70     1.67
2.89     YES
 L0039563         0   0.63650E-07  461767.8 3777393.6   458.6     3.70     1.67
2.89     YES
 L0039564         0   0.63650E-07  461764.2 3777394.1   458.6     3.70     1.67
2.89     YES
 L0039565         0   0.63650E-07  461760.7 3777394.5   458.7     3.70     1.67
2.89     YES
 L0039566         0   0.63650E-07  461757.1 3777395.0   458.7     3.70     1.67
2.89     YES
 L0039567         0   0.63650E-07  461753.5 3777395.5   458.8     3.70     1.67
2.89     YES
 L0039568         0   0.63650E-07  461750.0 3777396.0   458.9     3.70     1.67
2.89     YES
 L0039569         0   0.63650E-07  461746.4 3777396.4   458.9     3.70     1.67
2.89     YES
 L0039570         0   0.63650E-07  461742.8 3777396.9   458.9     3.70     1.67
2.89     YES
 L0039571         0   0.63650E-07  461739.2 3777397.4   459.0     3.70     1.67
2.89     YES
 L0039572         0   0.63650E-07  461735.7 3777397.8   459.0     3.70     1.67
2.89     YES
 L0039573         0   0.63650E-07  461732.1 3777398.3   459.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039574	0	0.63650E-07	461728.5	3777398.8	459.1	3.70	1.67	2.89 YES
L0039575	0	0.63650E-07	461725.0	3777399.3	459.1	3.70	1.67	2.89 YES
L0039576	0	0.63650E-07	461721.4	3777399.7	459.1	3.70	1.67	2.89 YES
L0039577	0	0.63650E-07	461717.8	3777400.2	459.1	3.70	1.67	2.89 YES
L0039578	0	0.63650E-07	461714.3	3777400.7	459.1	3.70	1.67	2.89 YES
L0039579	0	0.63650E-07	461710.7	3777401.2	459.2	3.70	1.67	2.89 YES
L0039580	0	0.63650E-07	461707.1	3777401.6	459.2	3.70	1.67	2.89 YES
L0039581	0	0.63650E-07	461703.6	3777402.4	459.2	3.70	1.67	2.89 YES
L0039582	0	0.63650E-07	461700.1	3777403.3	459.2	3.70	1.67	2.89 YES
L0039583	0	0.63650E-07	461696.6	3777404.2	459.3	3.70	1.67	2.89 YES
L0039584	0	0.63650E-07	461693.2	3777405.1	459.3	3.70	1.67	2.89 YES
L0039585	0	0.63650E-07	461689.7	3777406.0	459.3	3.70	1.67	2.89 YES
L0039586	0	0.63650E-07	461686.2	3777406.9	459.3	3.70	1.67	2.89 YES
L0039587	0	0.63650E-07	461682.7	3777407.8	459.3	3.70	1.67	2.89 YES
L0039588	0	0.63650E-07	461679.2	3777408.7	459.4	3.70	1.67	2.89 YES
L0039589	0	0.63650E-07	461675.7	3777409.6	459.4	3.70	1.67	2.89 YES
L0039590	0	0.63650E-07	461672.2	3777410.5	459.4	3.70	1.67	2.89 YES
L0039591	0	0.63650E-07	461668.8	3777411.4	459.5	3.70	1.67	2.89 YES
L0039592	0	0.63650E-07	461665.3	3777412.3	459.6	3.70	1.67	2.89 YES
L0039593	0	0.63650E-07	461661.8	3777413.2	459.6	3.70	1.67	2.89 YES
L0039594	0	0.63650E-07	461658.3	3777414.1	459.7	3.70	1.67	2.89 YES
L0039595	0	0.63650E-07	461654.8	3777415.0	459.7	3.70	1.67	2.89 YES
L0039596	0	0.63650E-07	461651.3	3777415.8	459.8	3.70	1.67	2.89 YES
L0039597	0	0.63650E-07	461647.8	3777416.7	459.9	3.70	1.67	2.89 YES

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 L0039598         0   0.63650E-07  461644.3 3777417.6   460.0     3.70     1.67
2.89     YES
 L0039599         0   0.63650E-07  461640.9 3777418.5   460.1     3.70     1.67
2.89     YES
 L0039600         0   0.63650E-07  461637.4 3777419.4   460.2     3.70     1.67
2.89     YES
 L0039601         0   0.63650E-07  461633.9 3777420.3   460.3     3.70     1.67
2.89     YES
 L0039602         0   0.63650E-07  461630.4 3777421.4   460.4     3.70     1.67
2.89     YES
 L0039603         0   0.63650E-07  461627.0 3777422.5   460.5     3.70     1.67
2.89     YES
 L0039604         0   0.63650E-07  461623.6 3777423.6   460.6     3.70     1.67
2.89     YES
 L0039605         0   0.63650E-07  461620.2 3777424.7   460.7     3.70     1.67
2.89     YES
 L0039606         0   0.63650E-07  461616.7 3777425.8   460.8     3.70     1.67
2.89     YES
 L0039607         0   0.63650E-07  461613.3 3777426.9   460.9     3.70     1.67
2.89     YES
 L0039608         0   0.63650E-07  461609.9 3777428.0   461.0     3.70     1.67
2.89     YES
 L0039609         0   0.63650E-07  461606.5 3777429.1   461.1     3.70     1.67
2.89     YES
 L0039610         0   0.63650E-07  461603.0 3777430.2   461.2     3.70     1.67
2.89     YES
 L0039611         0   0.63650E-07  461599.6 3777431.3   461.3     3.70     1.67
2.89     YES
 L0039612         0   0.63650E-07  461596.2 3777432.4   461.4     3.70     1.67
2.89     YES
 L0039613         0   0.63650E-07  461592.7 3777433.5   461.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039614	0	0.63650E-07	461589.3	3777434.6	461.5	3.70	1.67	2.89 YES
L0039615	0	0.63650E-07	461585.9	3777435.7	461.6	3.70	1.67	2.89 YES
L0039616	0	0.63650E-07	461582.5	3777436.8	461.6	3.70	1.67	2.89 YES
L0039617	0	0.63650E-07	461579.0	3777437.9	461.7	3.70	1.67	2.89 YES
L0039618	0	0.63650E-07	461575.6	3777439.0	461.7	3.70	1.67	2.89 YES
L0039619	0	0.63650E-07	461572.2	3777440.1	461.8	3.70	1.67	2.89 YES
L0039620	0	0.63650E-07	461568.7	3777441.1	461.9	3.70	1.67	2.89 YES
L0039621	0	0.63650E-07	461565.2	3777442.0	462.0	3.70	1.67	2.89 YES
L0039622	0	0.63650E-07	461561.8	3777442.9	462.1	3.70	1.67	2.89 YES
L0039623	0	0.63650E-07	461558.3	3777443.9	462.2	3.70	1.67	2.89 YES
L0039624	0	0.63650E-07	461554.8	3777444.8	462.3	3.70	1.67	2.89 YES
L0039625	0	0.63650E-07	461551.3	3777445.8	462.4	3.70	1.67	2.89 YES
L0039626	0	0.63650E-07	461547.9	3777446.7	462.5	3.70	1.67	2.89 YES
L0039627	0	0.63650E-07	461544.4	3777447.7	462.6	3.70	1.67	2.89 YES
L0039628	0	0.63650E-07	461540.9	3777448.6	462.7	3.70	1.67	2.89 YES
L0039629	0	0.63650E-07	461537.4	3777449.6	462.8	3.70	1.67	2.89 YES
L0039630	0	0.63650E-07	461534.0	3777450.5	462.9	3.70	1.67	2.89 YES
L0039631	0	0.63650E-07	461530.5	3777451.5	463.0	3.70	1.67	2.89 YES
L0039632	0	0.63650E-07	461527.0	3777452.4	463.1	3.70	1.67	2.89 YES
L0039633	0	0.63650E-07	461523.5	3777453.1	463.1	3.70	1.67	2.89 YES
L0039634	0	0.63650E-07	461519.9	3777453.2	463.2	3.70	1.67	2.89 YES
L0039635	0	0.63650E-07	461516.3	3777453.3	463.2	3.70	1.67	2.89 YES
L0039636	0	0.63650E-07	461512.7	3777453.4	463.3	3.70	1.67	2.89 YES
L0039637	0	0.63650E-07	461509.1	3777453.4	463.4	3.70	1.67	2.89 YES

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 L0039638         0   0.63650E-07  461505.5 3777453.5   463.4     3.70     1.67
2.89     YES
 L0039639         0   0.63650E-07  461501.9 3777453.6   463.5     3.70     1.67
2.89     YES
 L0039640         0   0.63650E-07  461498.3 3777453.7   463.5     3.70     1.67
2.89     YES
 L0039641         0   0.63650E-07  461494.7 3777453.8   463.6     3.70     1.67
2.89     YES
 L0039642         0   0.63650E-07  461491.1 3777453.8   463.7     3.70     1.67
2.89     YES
 L0039643         0   0.63650E-07  461487.5 3777453.9   463.7     3.70     1.67
2.89     YES
 L0039644         0   0.63650E-07  461483.9 3777454.0   463.8     3.70     1.67
2.89     YES
 L0039645         0   0.63650E-07  461480.3 3777454.1   463.9     3.70     1.67
2.89     YES
 L0039646         0   0.63650E-07  461476.7 3777454.2   463.9     3.70     1.67
2.89     YES
 L0039647         0   0.63650E-07  461473.1 3777454.2   464.0     3.70     1.67
2.89     YES
 L0039648         0   0.63650E-07  461469.5 3777454.3   464.1     3.70     1.67
2.89     YES
 L0039649         0   0.63650E-07  461465.9 3777454.4   464.2     3.70     1.67
2.89     YES
 L0039650         0   0.63650E-07  461462.3 3777454.5   464.3     3.70     1.67
2.89     YES
 L0039651         0   0.63650E-07  461458.7 3777454.6   464.5     3.70     1.67
2.89     YES
 L0039652         0   0.63650E-07  461455.1 3777454.6   464.6     3.70     1.67
2.89     YES
 L0039653         0   0.63650E-07  461451.5 3777454.7   464.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039654	0	0.63650E-07	461447.9	3777454.8	464.9	3.70	1.67	2.89 YES
L0039655	0	0.63650E-07	461444.3	3777454.9	465.0	3.70	1.67	2.89 YES
L0039656	0	0.63650E-07	461440.7	3777455.0	465.1	3.70	1.67	2.89 YES
L0039657	0	0.63650E-07	461437.1	3777455.0	465.2	3.70	1.67	2.89 YES
L0039658	0	0.63650E-07	461433.5	3777455.1	465.4	3.70	1.67	2.89 YES
L0039659	0	0.63650E-07	461429.9	3777455.2	465.5	3.70	1.67	2.89 YES
L0039660	0	0.63560E-07	460943.1	3777341.5	463.3	3.70	1.67	2.89 YES
L0039661	0	0.63560E-07	460946.7	3777341.2	463.2	3.70	1.67	2.89 YES
L0039662	0	0.63560E-07	460950.3	3777340.9	463.2	3.70	1.67	2.89 YES
L0039663	0	0.63560E-07	460953.9	3777340.6	463.2	3.70	1.67	2.89 YES
L0039664	0	0.63560E-07	460957.5	3777340.3	463.1	3.70	1.67	2.89 YES
L0039665	0	0.63560E-07	460961.1	3777340.0	463.1	3.70	1.67	2.89 YES
L0039666	0	0.63560E-07	460964.7	3777339.7	463.1	3.70	1.67	2.89 YES
L0039667	0	0.63560E-07	460968.3	3777339.5	463.0	3.70	1.67	2.89 YES
L0039668	0	0.63560E-07	460971.8	3777339.2	463.0	3.70	1.67	2.89 YES
L0039669	0	0.63560E-07	460975.4	3777338.9	463.0	3.70	1.67	2.89 YES
L0039670	0	0.63560E-07	460979.0	3777338.6	462.9	3.70	1.67	2.89 YES
L0039671	0	0.63560E-07	460982.6	3777338.3	462.9	3.70	1.67	2.89 YES
L0039672	0	0.63560E-07	460986.2	3777338.0	462.9	3.70	1.67	2.89 YES
L0039673	0	0.63560E-07	460989.8	3777337.7	462.8	3.70	1.67	2.89 YES
L0039674	0	0.63560E-07	460993.4	3777337.4	462.8	3.70	1.67	2.89 YES
L0039675	0	0.63560E-07	460997.0	3777337.1	462.8	3.70	1.67	2.89 YES
L0039676	0	0.63560E-07	461000.5	3777336.8	462.7	3.70	1.67	2.89 YES
L0039677	0	0.63560E-07	461004.1	3777336.6	462.7	3.70	1.67	2.89 YES

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 L0039678         0   0.63560E-07  461007.7 3777336.3   462.7     3.70     1.67
2.89     YES
 L0039679         0   0.63560E-07  461011.3 3777336.0   462.6     3.70     1.67
2.89     YES
 L0039680         0   0.63560E-07  461014.9 3777335.7   462.6     3.70     1.67
2.89     YES
 L0039681         0   0.63560E-07  461018.5 3777335.3   462.5     3.70     1.67
2.89     YES
 L0039682         0   0.63560E-07  461022.1 3777334.9   462.5     3.70     1.67
2.89     YES
 L0039683         0   0.63560E-07  461025.6 3777334.5   462.5     3.70     1.67
2.89     YES
 L0039684         0   0.63560E-07  461029.2 3777334.2   462.4     3.70     1.67
2.89     YES
 L0039685         0   0.63560E-07  461032.8 3777333.8   462.4     3.70     1.67
2.89     YES
 L0039686         0   0.63560E-07  461036.4 3777333.4   462.3     3.70     1.67
2.89     YES
 L0039687         0   0.63560E-07  461040.0 3777333.0   462.3     3.70     1.67
2.89     YES
 L0039688         0   0.63560E-07  461043.5 3777332.6   462.3     3.70     1.67
2.89     YES
 L0039689         0   0.63560E-07  461047.1 3777332.3   462.2     3.70     1.67
2.89     YES
 L0039690         0   0.63560E-07  461050.7 3777331.9   462.2     3.70     1.67
2.89     YES
 L0039691         0   0.63560E-07  461054.3 3777331.5   462.1     3.70     1.67
2.89     YES
 L0039692         0   0.63560E-07  461057.9 3777331.1   462.1     3.70     1.67
2.89     YES
 L0039693         0   0.63560E-07  461061.4 3777330.7   462.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039694	0	0.63560E-07	461065.0	3777330.4	462.0	3.70	1.67	2.89	YES
L0039695	0	0.63560E-07	461068.6	3777330.0	462.0	3.70	1.67	2.89	YES
L0039696	0	0.63560E-07	461072.2	3777329.6	461.9	3.70	1.67	2.89	YES
L0039697	0	0.63560E-07	461075.8	3777329.2	461.9	3.70	1.67	2.89	YES
L0039698	0	0.63560E-07	461079.3	3777328.7	461.8	3.70	1.67	2.89	YES
L0039699	0	0.63560E-07	461082.9	3777328.2	461.8	3.70	1.67	2.89	YES
L0039700	0	0.63560E-07	461086.4	3777327.6	461.7	3.70	1.67	2.89	YES
L0039701	0	0.63560E-07	461090.0	3777327.0	461.7	3.70	1.67	2.89	YES
L0039702	0	0.63560E-07	461093.5	3777326.5	461.6	3.70	1.67	2.89	YES
L0039703	0	0.63560E-07	461097.1	3777325.9	461.6	3.70	1.67	2.89	YES
L0039704	0	0.63560E-07	461100.7	3777325.3	461.5	3.70	1.67	2.89	YES
L0039705	0	0.63560E-07	461104.2	3777324.8	461.5	3.70	1.67	2.89	YES
L0039706	0	0.63560E-07	461107.8	3777324.2	461.4	3.70	1.67	2.89	YES
L0039707	0	0.63560E-07	461111.3	3777323.6	461.4	3.70	1.67	2.89	YES
L0039708	0	0.63560E-07	461114.9	3777323.1	461.3	3.70	1.67	2.89	YES
L0039709	0	0.63560E-07	461118.4	3777322.5	461.3	3.70	1.67	2.89	YES
L0039710	0	0.63560E-07	461122.0	3777321.9	461.2	3.70	1.67	2.89	YES
L0039711	0	0.63560E-07	461125.5	3777321.4	461.2	3.70	1.67	2.89	YES
L0039712	0	0.63560E-07	461129.1	3777320.8	461.1	3.70	1.67	2.89	YES
L0039713	0	0.63560E-07	461132.7	3777320.2	461.1	3.70	1.67	2.89	YES
L0039714	0	0.63560E-07	461136.2	3777319.7	461.0	3.70	1.67	2.89	YES
L0039715	0	0.63560E-07	461139.8	3777319.1	460.9	3.70	1.67	2.89	YES
L0039716	0	0.63560E-07	461143.3	3777318.4	460.9	3.70	1.67	2.89	YES
L0039717	0	0.63560E-07	461146.7	3777317.4	460.9	3.70	1.67	2.89	YES

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 L0039718         0   0.63560E-07  461150.2 3777316.3   460.8     3.70     1.67
2.89     YES
 L0039719         0   0.63560E-07  461153.6 3777315.3   460.8     3.70     1.67
2.89     YES
 L0039720         0   0.63560E-07  461157.1 3777314.3   460.7     3.70     1.67
2.89     YES
 L0039721         0   0.63560E-07  461160.5 3777313.2   460.7     3.70     1.67
2.89     YES
 L0039722         0   0.63560E-07  461164.0 3777312.2   460.7     3.70     1.67
2.89     YES
 L0039723         0   0.63560E-07  461167.4 3777311.2   460.7     3.70     1.67
2.89     YES
 L0039724         0   0.63560E-07  461170.9 3777310.1   460.7     3.70     1.67
2.89     YES
 L0039725         0   0.63560E-07  461174.3 3777309.1   460.8     3.70     1.67
2.89     YES
 L0039726         0   0.63560E-07  461177.8 3777308.1   460.8     3.70     1.67
2.89     YES
 L0039727         0   0.63560E-07  461181.2 3777307.1   460.8     3.70     1.67
2.89     YES
 L0039728         0   0.63560E-07  461184.7 3777306.0   460.8     3.70     1.67
2.89     YES
 L0039729         0   0.63560E-07  461188.1 3777305.0   460.8     3.70     1.67
2.89     YES
 L0039730         0   0.63560E-07  461191.6 3777304.0   460.9     3.70     1.67
2.89     YES
 L0039731         0   0.63560E-07  461194.9 3777302.7   460.9     3.70     1.67
2.89     YES
 L0039732         0   0.63560E-07  461198.3 3777301.4   460.9     3.70     1.67
2.89     YES
 L0039733         0   0.63560E-07  461201.7 3777300.1   460.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039734	0	0.63560E-07	461205.0	3777298.9	460.9	3.70	1.67	2.89	YES
L0039735	0	0.63560E-07	461208.4	3777297.6	460.9	3.70	1.67	2.89	YES
L0039736	0	0.63560E-07	461211.8	3777296.3	460.9	3.70	1.67	2.89	YES
L0039737	0	0.63560E-07	461215.1	3777295.1	461.0	3.70	1.67	2.89	YES
L0039738	0	0.63560E-07	461218.5	3777293.8	461.0	3.70	1.67	2.89	YES
L0039739	0	0.63560E-07	461221.9	3777292.5	461.0	3.70	1.67	2.89	YES
L0039740	0	0.63560E-07	461225.2	3777291.2	461.0	3.70	1.67	2.89	YES
L0039741	0	0.63560E-07	461228.6	3777290.0	461.0	3.70	1.67	2.89	YES
L0039742	0	0.63560E-07	461232.0	3777288.7	461.0	3.70	1.67	2.89	YES
L0039743	0	0.63560E-07	461235.4	3777287.4	461.0	3.70	1.67	2.89	YES
L0039744	0	0.63560E-07	461238.7	3777286.1	461.0	3.70	1.67	2.89	YES
L0039745	0	0.63560E-07	461242.1	3777284.9	461.0	3.70	1.67	2.89	YES
L0039746	0	0.63560E-07	461245.5	3777283.6	461.1	3.70	1.67	2.89	YES
L0039747	0	0.63560E-07	461248.8	3777282.3	461.1	3.70	1.67	2.89	YES
L0039748	0	0.63560E-07	461252.2	3777281.1	461.1	3.70	1.67	2.89	YES
L0039749	0	0.63560E-07	461255.6	3777279.8	461.1	3.70	1.67	2.89	YES
L0039750	0	0.63560E-07	461259.0	3777278.7	461.1	3.70	1.67	2.89	YES
L0039751	0	0.63560E-07	461262.5	3777277.8	461.1	3.70	1.67	2.89	YES
L0039752	0	0.63560E-07	461266.0	3777277.0	461.2	3.70	1.67	2.89	YES
L0039753	0	0.63560E-07	461269.5	3777276.2	461.2	3.70	1.67	2.89	YES
L0039754	0	0.63560E-07	461273.0	3777275.4	461.2	3.70	1.67	2.89	YES
L0039755	0	0.63560E-07	461276.5	3777274.6	461.2	3.70	1.67	2.89	YES
L0039756	0	0.63560E-07	461280.0	3777273.8	461.2	3.70	1.67	2.89	YES
L0039757	0	0.63560E-07	461283.5	3777273.0	461.3	3.70	1.67	2.89	YES

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 L0039758         0   0.63560E-07  461287.0 3777272.1   461.3     3.70     1.67
2.89     YES
 L0039759         0   0.63560E-07  461290.5 3777271.3   461.3     3.70     1.67
2.89     YES
 L0039760         0   0.63560E-07  461294.0 3777270.5   461.3     3.70     1.67
2.89     YES
 L0039761         0   0.63560E-07  461297.5 3777269.7   461.4     3.70     1.67
2.89     YES
 L0039762         0   0.63560E-07  461301.1 3777269.2   461.4     3.70     1.67
2.89     YES
 L0039763         0   0.63560E-07  461304.7 3777268.8   461.4     3.70     1.67
2.89     YES
 L0039764         0   0.63560E-07  461308.3 3777268.5   461.4     3.70     1.67
2.89     YES
 L0039765         0   0.63560E-07  461311.9 3777268.2   461.4     3.70     1.67
2.89     YES
 L0039766         0   0.63560E-07  461315.4 3777267.9   461.4     3.70     1.67
2.89     YES
 L0039767         0   0.63560E-07  461319.0 3777267.6   461.4     3.70     1.67
2.89     YES
 L0039768         0   0.63560E-07  461322.6 3777267.3   461.4     3.70     1.67
2.89     YES
 L0039769         0   0.63560E-07  461326.2 3777267.0   461.4     3.70     1.67
2.89     YES
 L0039770         0   0.63560E-07  461329.8 3777266.7   461.4     3.70     1.67
2.89     YES
 L0039771         0   0.63560E-07  461333.4 3777266.4   461.5     3.70     1.67
2.89     YES
 L0039772         0   0.63560E-07  461337.0 3777266.1   461.5     3.70     1.67
2.89     YES
 L0039773         0   0.63560E-07  461340.5 3777265.7   461.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039774	0	0.63560E-07	461344.1	3777265.4	461.5	3.70	1.67	2.89 YES
L0039775	0	0.63560E-07	461347.7	3777265.1	461.6	3.70	1.67	2.89 YES
L0039776	0	0.63560E-07	461351.3	3777264.8	461.6	3.70	1.67	2.89 YES
L0039777	0	0.63560E-07	461354.9	3777264.5	461.7	3.70	1.67	2.89 YES
L0039778	0	0.63560E-07	461358.5	3777264.2	461.7	3.70	1.67	2.89 YES
L0039779	0	0.63560E-07	461362.1	3777264.1	461.7	3.70	1.67	2.89 YES
L0039780	0	0.63560E-07	461365.7	3777264.0	461.8	3.70	1.67	2.89 YES
L0039781	0	0.63560E-07	461369.3	3777264.0	461.9	3.70	1.67	2.89 YES
L0039782	0	0.63560E-07	461372.9	3777263.9	462.0	3.70	1.67	2.89 YES
L0039783	0	0.63560E-07	461376.5	3777263.9	462.1	3.70	1.67	2.89 YES
L0039784	0	0.63560E-07	461380.1	3777263.8	462.2	3.70	1.67	2.89 YES
L0039785	0	0.63560E-07	461383.7	3777263.7	462.3	3.70	1.67	2.89 YES
L0039786	0	0.63560E-07	461387.3	3777263.7	462.4	3.70	1.67	2.89 YES
L0039787	0	0.63560E-07	461390.9	3777263.6	462.5	3.70	1.67	2.89 YES
L0039788	0	0.63560E-07	461394.5	3777263.6	462.6	3.70	1.67	2.89 YES
L0039789	0	0.63560E-07	461398.1	3777263.5	462.6	3.70	1.67	2.89 YES
L0039790	0	0.63560E-07	461401.7	3777263.4	462.7	3.70	1.67	2.89 YES
L0039791	0	0.63560E-07	461405.3	3777263.4	462.7	3.70	1.67	2.89 YES
L0039792	0	0.63160E-07	461426.5	3777454.9	465.6	3.70	1.67	2.89 YES
L0039793	0	0.63160E-07	461423.0	3777454.1	465.7	3.70	1.67	2.89 YES
L0039794	0	0.63160E-07	461419.5	3777453.3	465.9	3.70	1.67	2.89 YES
L0039795	0	0.63160E-07	461416.0	3777452.5	465.9	3.70	1.67	2.89 YES
L0039796	0	0.63160E-07	461414.1	3777449.5	465.9	3.70	1.67	2.89 YES
L0039797	0	0.63160E-07	461412.4	3777446.3	465.8	3.70	1.67	2.89 YES

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 L0039798         0   0.63160E-07  461410.6 3777443.2   465.7     3.70     1.67
2.89     YES
 L0039799         0   0.63160E-07  461409.3 3777439.9   465.7     3.70     1.67
2.89     YES
 L0039800         0   0.63160E-07  461409.3 3777436.3   465.7     3.70     1.67
2.89     YES
 L0039801         0   0.63160E-07  461409.3 3777432.7   465.6     3.70     1.67
2.89     YES
 L0039802         0   0.63160E-07  461409.2 3777429.1   465.4     3.70     1.67
2.89     YES
 L0039803         0   0.63160E-07  461409.2 3777425.5   465.3     3.70     1.67
2.89     YES
 L0039804         0   0.63160E-07  461409.2 3777421.9   465.1     3.70     1.67
2.89     YES
 L0039805         0   0.63160E-07  461409.2 3777418.3   465.0     3.70     1.67
2.89     YES
 L0039806         0   0.63160E-07  461409.1 3777414.7   464.8     3.70     1.67
2.89     YES
 L0039807         0   0.63160E-07  461409.1 3777411.1   464.7     3.70     1.67
2.89     YES
 L0039808         0   0.63160E-07  461409.1 3777407.5   464.5     3.70     1.67
2.89     YES
 L0039809         0   0.63160E-07  461409.1 3777403.9   464.4     3.70     1.67
2.89     YES
 L0039810         0   0.63160E-07  461409.0 3777400.3   463.7     3.70     1.67
2.89     YES
 L0039811         0   0.63160E-07  461409.0 3777396.7   463.1     3.70     1.67
2.89     YES
 L0039812         0   0.63160E-07  461409.0 3777393.1   462.4     3.70     1.67
2.89     YES
 L0039813         0   0.63160E-07  461409.0 3777389.5   461.8     3.70     1.67
2.89     YES
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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039814	0	0.63160E-07	461408.9	3777385.9	461.2	3.70	1.67	2.89	YES
L0039815	0	0.63160E-07	461408.9	3777382.3	460.5	3.70	1.67	2.89	YES
L0039816	0	0.63160E-07	461408.9	3777378.7	459.9	3.70	1.67	2.89	YES
L0039817	0	0.63160E-07	461408.9	3777375.1	459.2	3.70	1.67	2.89	YES
L0039818	0	0.63160E-07	461408.8	3777371.5	458.8	3.70	1.67	2.89	YES
L0039819	0	0.63160E-07	461408.8	3777367.9	458.6	3.70	1.67	2.89	YES
L0039820	0	0.63160E-07	461408.8	3777364.3	458.5	3.70	1.67	2.89	YES
L0039821	0	0.63160E-07	461408.8	3777360.7	458.3	3.70	1.67	2.89	YES
L0039822	0	0.63160E-07	461408.7	3777357.1	458.1	3.70	1.67	2.89	YES
L0039823	0	0.63160E-07	461408.7	3777353.5	458.0	3.70	1.67	2.89	YES
L0039824	0	0.63160E-07	461408.7	3777349.9	457.8	3.70	1.67	2.89	YES
L0039825	0	0.63160E-07	461408.7	3777346.3	457.6	3.70	1.67	2.89	YES
L0039826	0	0.63160E-07	461408.6	3777342.7	457.4	3.70	1.67	2.89	YES
L0039827	0	0.63160E-07	461408.6	3777339.1	457.8	3.70	1.67	2.89	YES
L0039828	0	0.63160E-07	461408.6	3777335.5	458.2	3.70	1.67	2.89	YES
L0039829	0	0.63160E-07	461408.6	3777331.9	458.6	3.70	1.67	2.89	YES
L0039830	0	0.63160E-07	461408.5	3777328.3	459.1	3.70	1.67	2.89	YES
L0039831	0	0.63160E-07	461408.5	3777324.7	459.5	3.70	1.67	2.89	YES
L0039832	0	0.63160E-07	461408.5	3777321.1	459.9	3.70	1.67	2.89	YES
L0039833	0	0.63160E-07	461408.5	3777317.5	460.3	3.70	1.67	2.89	YES
L0039834	0	0.63160E-07	461408.4	3777313.9	460.7	3.70	1.67	2.89	YES
L0039835	0	0.63160E-07	461408.4	3777310.3	461.1	3.70	1.67	2.89	YES
L0039836	0	0.63160E-07	461408.4	3777306.7	461.3	3.70	1.67	2.89	YES
L0039837	0	0.63160E-07	461408.4	3777303.1	461.5	3.70	1.67	2.89	YES

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 L0039838         0   0.63160E-07  461408.4 3777299.5   461.8     3.70     1.67
2.89     YES
 L0039839         0   0.63160E-07  461408.3 3777295.9   462.0     3.70     1.67
2.89     YES
 L0039840         0   0.63160E-07  461408.3 3777292.3   462.2     3.70     1.67
2.89     YES
 L0039841         0   0.63160E-07  461408.3 3777288.7   462.5     3.70     1.67
2.89     YES
 L0039842         0   0.63160E-07  461408.3 3777285.1   462.7     3.70     1.67
2.89     YES
 L0039843         0   0.63160E-07  461408.2 3777281.5   462.9     3.70     1.67
2.89     YES
 L0039844         0   0.63160E-07  461408.2 3777277.9   463.0     3.70     1.67
2.89     YES
 L0039845         0   0.63160E-07  461408.2 3777274.3   462.9     3.70     1.67
2.89     YES
 L0039846         0   0.63160E-07  461408.2 3777270.7   462.9     3.70     1.67
2.89     YES
 L0039847         0   0.63160E-07  461408.1 3777267.1   462.8     3.70     1.67
2.89     YES
 L0039848         0   0.63160E-07  461408.1 3777263.5   462.8     3.70     1.67
2.89     YES
 L0039849         0   0.63330E-07  461422.3 3777263.0   462.7     3.70     1.67
2.89     YES
 L0039850         0   0.63330E-07  461425.9 3777263.0   462.6     3.70     1.67
2.89     YES
 L0039851         0   0.63330E-07  461429.5 3777263.0   462.4     3.70     1.67
2.89     YES
 L0039852         0   0.63330E-07  461433.1 3777263.0   462.3     3.70     1.67
2.89     YES
 L0039853         0   0.63330E-07  461436.7 3777263.0   462.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039854	0	0.63330E-07	461440.3	3777263.0	462.1	3.70	1.67	2.89	YES
L0039855	0	0.63330E-07	461443.9	3777263.1	461.9	3.70	1.67	2.89	YES
L0039856	0	0.63330E-07	461447.5	3777263.1	461.8	3.70	1.67	2.89	YES
L0039857	0	0.63330E-07	461451.1	3777263.1	461.7	3.70	1.67	2.89	YES
L0039858	0	0.63330E-07	461454.7	3777263.1	461.5	3.70	1.67	2.89	YES
L0039859	0	0.63330E-07	461458.3	3777263.1	461.4	3.70	1.67	2.89	YES
L0039860	0	0.63330E-07	461461.9	3777263.1	461.2	3.70	1.67	2.89	YES
L0039861	0	0.63330E-07	461465.5	3777263.1	461.1	3.70	1.67	2.89	YES
L0039862	0	0.63330E-07	461469.1	3777263.1	461.0	3.70	1.67	2.89	YES
L0039863	0	0.63330E-07	461472.7	3777263.2	460.9	3.70	1.67	2.89	YES
L0039864	0	0.63330E-07	461476.3	3777263.2	460.9	3.70	1.67	2.89	YES
L0039865	0	0.63330E-07	461479.9	3777263.2	460.8	3.70	1.67	2.89	YES
L0039866	0	0.63330E-07	461483.5	3777263.2	460.7	3.70	1.67	2.89	YES
L0039867	0	0.63330E-07	461487.1	3777263.2	460.7	3.70	1.67	2.89	YES
L0039868	0	0.63330E-07	461490.7	3777263.4	460.6	3.70	1.67	2.89	YES
L0039869	0	0.63330E-07	461494.3	3777263.7	460.5	3.70	1.67	2.89	YES
L0039870	0	0.63330E-07	461497.8	3777264.0	460.4	3.70	1.67	2.89	YES
L0039871	0	0.63330E-07	461501.4	3777264.2	460.4	3.70	1.67	2.89	YES
L0039872	0	0.63330E-07	461505.0	3777264.5	460.3	3.70	1.67	2.89	YES
L0039873	0	0.63330E-07	461508.6	3777264.8	460.2	3.70	1.67	2.89	YES
L0039874	0	0.63330E-07	461512.2	3777265.0	460.1	3.70	1.67	2.89	YES
L0039875	0	0.63330E-07	461515.8	3777265.3	460.0	3.70	1.67	2.89	YES
L0039876	0	0.63330E-07	461519.4	3777265.5	460.0	3.70	1.67	2.89	YES
L0039877	0	0.63330E-07	461523.0	3777265.8	459.9	3.70	1.67	2.89	YES

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 L0039878         0   0.63330E-07  461526.6 3777266.1   459.8     3.70     1.67
2.89     YES
 L0039879         0   0.63330E-07  461530.2 3777266.3   459.8     3.70     1.67
2.89     YES
 L0039880         0   0.63330E-07  461533.8 3777266.6   459.7     3.70     1.67
2.89     YES
 L0039881         0   0.63330E-07  461537.3 3777266.8   459.6     3.70     1.67
2.89     YES
 L0039882         0   0.63330E-07  461540.9 3777267.1   459.5     3.70     1.67
2.89     YES
 L0039883         0   0.63330E-07  461544.5 3777267.4   459.5     3.70     1.67
2.89     YES
 L0039884         0   0.63330E-07  461548.0 3777268.5   459.4     3.70     1.67
2.89     YES
 L0039885         0   0.63330E-07  461551.4 3777269.5   459.3     3.70     1.67
2.89     YES
 L0039886         0   0.63330E-07  461554.8 3777270.6   459.2     3.70     1.67
2.89     YES
 L0039887         0   0.63330E-07  461558.3 3777271.6   459.1     3.70     1.67
2.89     YES
 L0039888         0   0.63330E-07  461561.7 3777272.7   459.0     3.70     1.67
2.89     YES
 L0039889         0   0.63330E-07  461565.2 3777273.7   458.9     3.70     1.67
2.89     YES
 L0039890         0   0.63330E-07  461568.6 3777274.8   458.8     3.70     1.67
2.89     YES
 L0039891         0   0.63330E-07  461572.0 3777275.9   458.7     3.70     1.67
2.89     YES
 L0039892         0   0.63330E-07  461575.5 3777276.9   458.6     3.70     1.67
2.89     YES
 L0039893         0   0.63330E-07  461578.9 3777278.0   458.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039894	0	0.63330E-07	461582.4	3777279.0	458.4	3.70	1.67	2.89 YES
L0039895	0	0.63330E-07	461585.8	3777280.1	458.3	3.70	1.67	2.89 YES
L0039896	0	0.63330E-07	461589.3	3777281.1	458.1	3.70	1.67	2.89 YES
L0039897	0	0.63330E-07	461592.7	3777282.2	458.0	3.70	1.67	2.89 YES
L0039898	0	0.63330E-07	461596.1	3777283.2	457.9	3.70	1.67	2.89 YES
L0039899	0	0.63330E-07	461599.6	3777284.3	457.8	3.70	1.67	2.89 YES
L0039900	0	0.63330E-07	461603.0	3777285.4	457.7	3.70	1.67	2.89 YES
L0039901	0	0.63330E-07	461606.5	3777286.4	457.6	3.70	1.67	2.89 YES
L0039902	0	0.63330E-07	461609.9	3777287.5	457.5	3.70	1.67	2.89 YES
L0039903	0	0.63330E-07	461613.3	3777288.5	457.4	3.70	1.67	2.89 YES
L0039904	0	0.63330E-07	461616.8	3777289.6	457.3	3.70	1.67	2.89 YES
L0039905	0	0.63330E-07	461620.2	3777290.6	457.2	3.70	1.67	2.89 YES
L0039906	0	0.63330E-07	461623.7	3777291.7	457.1	3.70	1.67	2.89 YES
L0039907	0	0.63330E-07	461627.1	3777292.8	457.1	3.70	1.67	2.89 YES
L0039908	0	0.63330E-07	461630.6	3777293.7	457.0	3.70	1.67	2.89 YES
L0039909	0	0.63330E-07	461634.1	3777294.6	457.0	3.70	1.67	2.89 YES
L0039910	0	0.63330E-07	461637.6	3777295.5	456.9	3.70	1.67	2.89 YES
L0039911	0	0.63330E-07	461641.0	3777296.4	456.8	3.70	1.67	2.89 YES
L0039912	0	0.63330E-07	461644.5	3777297.3	456.8	3.70	1.67	2.89 YES
L0039913	0	0.63330E-07	461648.0	3777298.2	456.7	3.70	1.67	2.89 YES
L0039914	0	0.63330E-07	461651.5	3777299.1	456.6	3.70	1.67	2.89 YES
L0039915	0	0.63330E-07	461655.0	3777300.0	456.6	3.70	1.67	2.89 YES
L0039916	0	0.63330E-07	461658.5	3777300.9	456.5	3.70	1.67	2.89 YES
L0039917	0	0.63330E-07	461661.9	3777301.9	456.4	3.70	1.67	2.89 YES

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 L0039918         0   0.63330E-07  461665.4 3777302.8   456.3     3.70     1.67
2.89     YES
 L0039919         0   0.63330E-07  461668.9 3777303.7   456.2     3.70     1.67
2.89     YES
 L0039920         0   0.63330E-07  461672.4 3777304.6   456.1     3.70     1.67
2.89     YES
 L0039921         0   0.63330E-07  461675.9 3777305.5   456.0     3.70     1.67
2.89     YES
 L0039922         0   0.63330E-07  461679.4 3777306.4   455.9     3.70     1.67
2.89     YES
 L0039923         0   0.63330E-07  461682.8 3777307.3   455.8     3.70     1.67
2.89     YES
 L0039924         0   0.63330E-07  461686.3 3777308.2   455.7     3.70     1.67
2.89     YES
 L0039925         0   0.63330E-07  461689.8 3777309.1   455.6     3.70     1.67
2.89     YES
 L0039926         0   0.63330E-07  461693.3 3777310.0   455.4     3.70     1.67
2.89     YES
 L0039927         0   0.63330E-07  461696.8 3777310.9   455.4     3.70     1.67
2.89     YES
 L0039928         0   0.63330E-07  461700.3 3777311.9   455.3     3.70     1.67
2.89     YES
 L0039929         0   0.63330E-07  461703.7 3777312.8   455.3     3.70     1.67
2.89     YES
 L0039930         0   0.63330E-07  461707.2 3777313.7   455.3     3.70     1.67
2.89     YES
 L0039931         0   0.63330E-07  461710.7 3777314.6   455.3     3.70     1.67
2.89     YES
 L0039932         0   0.63330E-07  461714.2 3777315.5   455.3     3.70     1.67
2.89     YES
 L0039933         0   0.63330E-07  461717.7 3777316.4   455.2     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0039918	0	0.63330E-07	461665.4	3777302.8	456.3	3.70	1.67	2.89	YES	
L0039919	0	0.63330E-07	461668.9	3777303.7	456.2	3.70	1.67	2.89	YES	
L0039920	0	0.63330E-07	461672.4	3777304.6	456.1	3.70	1.67	2.89	YES	
L0039921	0	0.63330E-07	461675.9	3777305.5	456.0	3.70	1.67	2.89	YES	
L0039922	0	0.63330E-07	461679.4	3777306.4	455.9	3.70	1.67	2.89	YES	
L0039923	0	0.63330E-07	461682.8	3777307.3	455.8	3.70	1.67	2.89	YES	
L0039924	0	0.63330E-07	461686.3	3777308.2	455.7	3.70	1.67	2.89	YES	
L0039925	0	0.63330E-07	461689.8	3777309.1	455.6	3.70	1.67	2.89	YES	
L0039926	0	0.63330E-07	461693.3	3777310.0	455.4	3.70	1.67	2.89	YES	
L0039927	0	0.63330E-07	461696.8	3777310.9	455.4	3.70	1.67	2.89	YES	
L0039928	0	0.63330E-07	461700.3	3777311.9	455.3	3.70	1.67	2.89	YES	
L0039929	0	0.63330E-07	461703.7	3777312.8	455.3	3.70	1.67	2.89	YES	
L0039930	0	0.63330E-07	461707.2	3777313.7	455.3	3.70	1.67	2.89	YES	
L0039931	0	0.63330E-07	461710.7	3777314.6	455.3	3.70	1.67	2.89	YES	
L0039932	0	0.63330E-07	461714.2	3777315.5	455.3	3.70	1.67	2.89	YES	
L0039933	0	0.63330E-07	461717.7	3777316.4	455.2	3.70	1.67	2.89	YES	

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L0039934	0	0.63330E-07	461721.2	3777317.3	455.2	3.70	1.67	2.89	YES
L0039935	0	0.63330E-07	461724.7	3777317.9	455.2	3.70	1.67	2.89	YES
L0039936	0	0.63330E-07	461728.3	3777318.4	455.2	3.70	1.67	2.89	YES
L0039937	0	0.63330E-07	461731.8	3777318.9	455.2	3.70	1.67	2.89	YES
L0039938	0	0.63330E-07	461735.4	3777319.4	455.2	3.70	1.67	2.89	YES
L0039939	0	0.63330E-07	461739.0	3777319.9	455.2	3.70	1.67	2.89	YES
L0039940	0	0.63330E-07	461742.5	3777320.3	455.2	3.70	1.67	2.89	YES
L0039941	0	0.63330E-07	461746.1	3777320.8	455.1	3.70	1.67	2.89	YES
L0039942	0	0.63330E-07	461749.7	3777321.3	455.1	3.70	1.67	2.89	YES
L0039943	0	0.63330E-07	461753.2	3777321.8	455.1	3.70	1.67	2.89	YES
L0039944	0	0.63330E-07	461756.8	3777322.2	455.1	3.70	1.67	2.89	YES
L0039945	0	0.63330E-07	461760.4	3777322.7	455.1	3.70	1.67	2.89	YES
L0039946	0	0.63330E-07	461763.9	3777323.2	455.1	3.70	1.67	2.89	YES
L0039947	0	0.63330E-07	461767.5	3777323.7	455.0	3.70	1.67	2.89	YES
L0039948	0	0.63330E-07	461771.1	3777324.2	455.0	3.70	1.67	2.89	YES
L0039949	0	0.63330E-07	461774.7	3777324.6	455.0	3.70	1.67	2.89	YES
L0039950	0	0.63330E-07	461778.2	3777325.1	455.0	3.70	1.67	2.89	YES
L0039951	0	0.63330E-07	461781.8	3777325.6	455.0	3.70	1.67	2.89	YES
L0039952	0	0.63330E-07	461785.4	3777326.1	455.0	3.70	1.67	2.89	YES
L0039953	0	0.63330E-07	461788.9	3777326.5	455.0	3.70	1.67	2.89	YES
L0039954	0	0.63330E-07	461792.5	3777326.8	455.0	3.70	1.67	2.89	YES
L0039955	0	0.63330E-07	461796.1	3777327.1	455.0	3.70	1.67	2.89	YES
L0039956	0	0.63330E-07	461799.7	3777327.4	455.0	3.70	1.67	2.89	YES
L0039957	0	0.63330E-07	461803.3	3777327.7	455.0	3.70	1.67	2.89	YES

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 L0039958         0   0.63330E-07  461806.9 3777328.0   455.0     3.70     1.67
2.89     YES
 L0039959         0   0.63330E-07  461810.5 3777328.3   455.1     3.70     1.67
2.89     YES
 L0039960         0   0.63330E-07  461814.0 3777328.6   455.1     3.70     1.67
2.89     YES
 L0039961         0   0.63330E-07  461817.6 3777328.9   455.1     3.70     1.67
2.89     YES
 L0039962         0   0.63330E-07  461821.2 3777329.2   455.1     3.70     1.67
2.89     YES
 L0039963         0   0.63330E-07  461824.8 3777329.5   455.1     3.70     1.67
2.89     YES
 L0039964         0   0.63330E-07  461828.4 3777329.7   455.0     3.70     1.67
2.89     YES
 L0039965         0   0.63330E-07  461832.0 3777330.0   455.0     3.70     1.67
2.89     YES
 L0039966         0   0.63330E-07  461835.6 3777330.1   455.0     3.70     1.67
2.89     YES
 L0039967         0   0.63330E-07  461839.2 3777330.1   455.0     3.70     1.67
2.89     YES
 L0039968         0   0.63330E-07  461842.8 3777330.2   455.0     3.70     1.67
2.89     YES
 L0039969         0   0.63330E-07  461846.4 3777330.2   455.0     3.70     1.67
2.89     YES
 L0039970         0   0.63330E-07  461850.0 3777330.2   455.0     3.70     1.67
2.89     YES
 L0039971         0   0.63330E-07  461853.6 3777330.2   454.9     3.70     1.67
2.89     YES
 L0039972         0   0.63330E-07  461857.2 3777330.3   454.9     3.70     1.67
2.89     YES
 L0039973         0   0.63330E-07  461860.8 3777330.3   454.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0039974	0	0.63330E-07	461864.4	3777330.3	454.9	3.70	1.67	2.89 YES
L0039975	0	0.63330E-07	461868.0	3777330.3	454.8	3.70	1.67	2.89 YES
L0039976	0	0.63330E-07	461871.6	3777330.3	454.8	3.70	1.67	2.89 YES
L0039977	0	0.63330E-07	461875.2	3777330.4	454.8	3.70	1.67	2.89 YES
L0039978	0	0.63330E-07	461878.8	3777330.4	454.8	3.70	1.67	2.89 YES
L0039979	0	0.63330E-07	461882.4	3777330.4	454.7	3.70	1.67	2.89 YES
L0039980	0	0.63330E-07	461886.0	3777330.4	454.7	3.70	1.67	2.89 YES
L0039981	0	0.63330E-07	461889.6	3777330.5	454.7	3.70	1.67	2.89 YES
L0039982	0	0.63330E-07	461893.2	3777330.5	454.6	3.70	1.67	2.89 YES
L0039983	0	0.63330E-07	461896.8	3777330.5	454.6	3.70	1.67	2.89 YES
L0039984	0	0.63330E-07	461900.4	3777330.5	454.6	3.70	1.67	2.89 YES
L0039985	0	0.63330E-07	461904.0	3777330.6	454.5	3.70	1.67	2.89 YES
L0039986	0	0.63330E-07	461907.6	3777330.6	454.5	3.70	1.67	2.89 YES
L0039987	0	0.63330E-07	461911.2	3777330.6	454.5	3.70	1.67	2.89 YES
L0039988	0	0.63330E-07	461914.8	3777330.6	454.4	3.70	1.67	2.89 YES
L0039989	0	0.63330E-07	461918.4	3777330.7	454.4	3.70	1.67	2.89 YES
L0039990	0	0.63140E-07	461420.7	3777267.1	462.8	3.70	1.67	2.89 YES
L0039991	0	0.63140E-07	461420.7	3777270.7	462.8	3.70	1.67	2.89 YES
L0039992	0	0.63140E-07	461420.7	3777274.3	462.9	3.70	1.67	2.89 YES
L0039993	0	0.63140E-07	461420.7	3777277.9	462.9	3.70	1.67	2.89 YES
L0039994	0	0.63140E-07	461420.7	3777281.5	462.9	3.70	1.67	2.89 YES
L0039995	0	0.63140E-07	461420.7	3777285.1	462.7	3.70	1.67	2.89 YES
L0039996	0	0.63140E-07	461420.7	3777288.7	462.4	3.70	1.67	2.89 YES
L0039997	0	0.63140E-07	461420.7	3777292.3	462.2	3.70	1.67	2.89 YES

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 L0039998         0   0.63140E-07  461420.7 3777295.9   462.0     3.70     1.67
2.89     YES
 L0039999         0   0.63140E-07  461420.7 3777299.5   461.7     3.70     1.67
2.89     YES
 L0040000         0   0.63140E-07  461420.7 3777303.1   461.5     3.70     1.67
2.89     YES
 L0040001         0   0.63140E-07  461420.7 3777306.7   461.2     3.70     1.67
2.89     YES
 L0040002         0   0.63140E-07  461420.7 3777310.3   461.0     3.70     1.67
2.89     YES
 L0040003         0   0.63140E-07  461420.7 3777313.9   460.7     3.70     1.67
2.89     YES
 L0040004         0   0.63140E-07  461420.7 3777317.5   460.2     3.70     1.67
2.89     YES
 L0040005         0   0.63140E-07  461420.7 3777321.1   459.8     3.70     1.67
2.89     YES
 L0040006         0   0.63140E-07  461420.7 3777324.7   459.4     3.70     1.67
2.89     YES
 L0040007         0   0.63140E-07  461420.7 3777328.3   459.0     3.70     1.67
2.89     YES
 L0040008         0   0.63140E-07  461420.7 3777331.9   458.5     3.70     1.67
2.89     YES
 L0040009         0   0.63140E-07  461420.7 3777335.5   458.1     3.70     1.67
2.89     YES
 L0040010         0   0.63140E-07  461420.7 3777339.1   457.7     3.70     1.67
2.89     YES
 L0040011         0   0.63140E-07  461420.7 3777342.7   457.3     3.70     1.67
2.89     YES
 L0040012         0   0.63140E-07  461420.7 3777346.3   457.5     3.70     1.67
2.89     YES
 L0040013         0   0.63140E-07  461420.7 3777349.9   457.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040014	0	0.63140E-07	461420.7	3777353.5	457.9	3.70	1.67	2.89	YES
L0040015	0	0.63140E-07	461420.7	3777357.1	458.1	3.70	1.67	2.89	YES
L0040016	0	0.63140E-07	461420.7	3777360.7	458.2	3.70	1.67	2.89	YES
L0040017	0	0.63140E-07	461420.7	3777364.3	458.4	3.70	1.67	2.89	YES
L0040018	0	0.63140E-07	461420.7	3777367.9	458.6	3.70	1.67	2.89	YES
L0040019	0	0.63140E-07	461420.7	3777371.5	458.8	3.70	1.67	2.89	YES
L0040020	0	0.63140E-07	461420.7	3777375.1	459.2	3.70	1.67	2.89	YES
L0040021	0	0.63140E-07	461420.7	3777378.7	459.9	3.70	1.67	2.89	YES
L0040022	0	0.63140E-07	461420.7	3777382.3	460.5	3.70	1.67	2.89	YES
L0040023	0	0.63140E-07	461420.7	3777385.9	461.2	3.70	1.67	2.89	YES
L0040024	0	0.63140E-07	461420.7	3777389.5	461.8	3.70	1.67	2.89	YES
L0040025	0	0.63140E-07	461420.7	3777393.1	462.5	3.70	1.67	2.89	YES
L0040026	0	0.63140E-07	461420.7	3777396.7	463.2	3.70	1.67	2.89	YES
L0040027	0	0.63140E-07	461420.7	3777400.3	463.8	3.70	1.67	2.89	YES
L0040028	0	0.63140E-07	461420.7	3777403.9	464.5	3.70	1.67	2.89	YES
L0040029	0	0.63140E-07	461420.7	3777407.5	464.6	3.70	1.67	2.89	YES
L0040030	0	0.63140E-07	461420.7	3777411.1	464.8	3.70	1.67	2.89	YES
L0040031	0	0.63140E-07	461420.7	3777414.7	464.9	3.70	1.67	2.89	YES
L0040032	0	0.63140E-07	461420.7	3777418.3	465.1	3.70	1.67	2.89	YES
L0040033	0	0.63140E-07	461420.7	3777421.9	465.2	3.70	1.67	2.89	YES
L0040034	0	0.63140E-07	461420.7	3777425.5	465.3	3.70	1.67	2.89	YES
L0040035	0	0.63140E-07	461420.7	3777429.1	465.5	3.70	1.67	2.89	YES
L0040036	0	0.63140E-07	461420.7	3777432.7	465.6	3.70	1.67	2.89	YES
L0040037	0	0.63140E-07	461420.7	3777436.3	465.7	3.70	1.67	2.89	YES

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 L0040038         0   0.63140E-07  461420.7 3777439.9   465.7     3.70     1.67
2.89     YES
 L0040039         0   0.63140E-07  461420.7 3777443.5   465.8     3.70     1.67
2.89     YES
 L0040040         0   0.63140E-07  461420.7 3777447.1   465.8     3.70     1.67
2.89     YES
 L0040041         0   0.63450E-07  461401.0 3777456.1   465.6     3.70     1.67
2.89     YES
 L0040042         0   0.63450E-07  461397.4 3777456.1   465.5     3.70     1.67
2.89     YES
 L0040043         0   0.63450E-07  461393.8 3777456.1   465.4     3.70     1.67
2.89     YES
 L0040044         0   0.63450E-07  461390.2 3777456.1   465.3     3.70     1.67
2.89     YES
 L0040045         0   0.63450E-07  461386.6 3777456.1   465.2     3.70     1.67
2.89     YES
 L0040046         0   0.63450E-07  461383.0 3777456.1   465.2     3.70     1.67
2.89     YES
 L0040047         0   0.63450E-07  461379.4 3777456.1   465.1     3.70     1.67
2.89     YES
 L0040048         0   0.63450E-07  461375.8 3777456.0   465.0     3.70     1.67
2.89     YES
 L0040049         0   0.63450E-07  461372.2 3777456.0   464.9     3.70     1.67
2.89     YES
 L0040050         0   0.63450E-07  461368.6 3777456.0   464.9     3.70     1.67
2.89     YES
 L0040051         0   0.63450E-07  461365.0 3777456.0   464.8     3.70     1.67
2.89     YES
 L0040052         0   0.63450E-07  461361.4 3777455.9   464.8     3.70     1.67
2.89     YES
 L0040053         0   0.63450E-07  461357.8 3777455.7   464.8     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0040038	0	0.63140E-07	461420.7	3777439.9	465.7	3.70	1.67	2.89	YES	
L0040039	0	0.63140E-07	461420.7	3777443.5	465.8	3.70	1.67	2.89	YES	
L0040040	0	0.63140E-07	461420.7	3777447.1	465.8	3.70	1.67	2.89	YES	
L0040041	0	0.63450E-07	461401.0	3777456.1	465.6	3.70	1.67	2.89	YES	
L0040042	0	0.63450E-07	461397.4	3777456.1	465.5	3.70	1.67	2.89	YES	
L0040043	0	0.63450E-07	461393.8	3777456.1	465.4	3.70	1.67	2.89	YES	
L0040044	0	0.63450E-07	461390.2	3777456.1	465.3	3.70	1.67	2.89	YES	
L0040045	0	0.63450E-07	461386.6	3777456.1	465.2	3.70	1.67	2.89	YES	
L0040046	0	0.63450E-07	461383.0	3777456.1	465.2	3.70	1.67	2.89	YES	
L0040047	0	0.63450E-07	461379.4	3777456.1	465.1	3.70	1.67	2.89	YES	
L0040048	0	0.63450E-07	461375.8	3777456.0	465.0	3.70	1.67	2.89	YES	
L0040049	0	0.63450E-07	461372.2	3777456.0	464.9	3.70	1.67	2.89	YES	
L0040050	0	0.63450E-07	461368.6	3777456.0	464.9	3.70	1.67	2.89	YES	
L0040051	0	0.63450E-07	461365.0	3777456.0	464.8	3.70	1.67	2.89	YES	
L0040052	0	0.63450E-07	461361.4	3777455.9	464.8	3.70	1.67	2.89	YES	
L0040053	0	0.63450E-07	461357.8	3777455.7	464.8	3.70	1.67	2.89	YES	

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L0040054	0	0.63450E-07	461354.3	3777455.5	464.7	3.70	1.67	2.89 YES
L0040055	0	0.63450E-07	461350.7	3777455.2	464.7	3.70	1.67	2.89 YES
L0040056	0	0.63450E-07	461347.1	3777455.0	464.7	3.70	1.67	2.89 YES
L0040057	0	0.63450E-07	461343.5	3777454.7	464.7	3.70	1.67	2.89 YES
L0040058	0	0.63450E-07	461339.9	3777454.5	464.6	3.70	1.67	2.89 YES
L0040059	0	0.63450E-07	461336.3	3777454.2	464.6	3.70	1.67	2.89 YES
L0040060	0	0.63450E-07	461332.7	3777454.0	464.6	3.70	1.67	2.89 YES
L0040061	0	0.63450E-07	461329.1	3777453.8	464.6	3.70	1.67	2.89 YES
L0040062	0	0.63450E-07	461325.5	3777453.5	464.6	3.70	1.67	2.89 YES
L0040063	0	0.63450E-07	461321.9	3777453.3	464.5	3.70	1.67	2.89 YES
L0040064	0	0.63450E-07	461318.3	3777453.0	464.5	3.70	1.67	2.89 YES
L0040065	0	0.63450E-07	461314.7	3777452.8	464.5	3.70	1.67	2.89 YES
L0040066	0	0.63450E-07	461311.2	3777452.1	464.5	3.70	1.67	2.89 YES
L0040067	0	0.63450E-07	461307.7	3777451.4	464.5	3.70	1.67	2.89 YES
L0040068	0	0.63450E-07	461304.1	3777450.7	464.4	3.70	1.67	2.89 YES
L0040069	0	0.63450E-07	461300.6	3777450.0	464.4	3.70	1.67	2.89 YES
L0040070	0	0.63450E-07	461297.1	3777449.3	464.4	3.70	1.67	2.89 YES
L0040071	0	0.63450E-07	461293.5	3777448.6	464.4	3.70	1.67	2.89 YES
L0040072	0	0.63450E-07	461290.0	3777447.9	464.3	3.70	1.67	2.89 YES
L0040073	0	0.63450E-07	461286.5	3777447.2	464.3	3.70	1.67	2.89 YES
L0040074	0	0.63450E-07	461283.0	3777446.5	464.3	3.70	1.67	2.89 YES
L0040075	0	0.63450E-07	461279.5	3777445.6	464.3	3.70	1.67	2.89 YES
L0040076	0	0.63450E-07	461276.0	3777444.5	464.2	3.70	1.67	2.89 YES
L0040077	0	0.63450E-07	461272.6	3777443.5	464.2	3.70	1.67	2.89 YES

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 L0040078         0   0.63450E-07  461269.2 3777442.4   464.1     3.70     1.67
2.89     YES
 L0040079         0   0.63450E-07  461265.7 3777441.3   464.1     3.70     1.67
2.89     YES
 L0040080         0   0.63450E-07  461262.3 3777440.2   464.0     3.70     1.67
2.89     YES
 L0040081         0   0.63450E-07  461258.9 3777439.2   464.0     3.70     1.67
2.89     YES
 L0040082         0   0.63450E-07  461255.4 3777438.1   463.9     3.70     1.67
2.89     YES
 L0040083         0   0.63450E-07  461252.0 3777437.0   463.9     3.70     1.67
2.89     YES
 L0040084         0   0.63450E-07  461248.6 3777436.0   463.9     3.70     1.67
2.89     YES
 L0040085         0   0.63450E-07  461245.1 3777434.9   463.8     3.70     1.67
2.89     YES
 L0040086         0   0.63450E-07  461241.7 3777433.8   463.8     3.70     1.67
2.89     YES
 L0040087         0   0.63450E-07  461238.2 3777432.7   463.8     3.70     1.67
2.89     YES
 L0040088         0   0.63450E-07  461234.8 3777431.7   463.7     3.70     1.67
2.89     YES
 L0040089         0   0.63450E-07  461231.4 3777430.6   463.7     3.70     1.67
2.89     YES
 L0040090         0   0.63450E-07  461227.9 3777429.5   463.7     3.70     1.67
2.89     YES
 L0040091         0   0.63450E-07  461224.5 3777428.5   463.7     3.70     1.67
2.89     YES
 L0040092         0   0.63450E-07  461221.0 3777427.4   463.7     3.70     1.67
2.89     YES
 L0040093         0   0.63450E-07  461217.6 3777426.4   463.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040094	0	0.63450E-07	461214.1	3777425.4	463.6	3.70	1.67	2.89 YES
L0040095	0	0.63450E-07	461210.7	3777424.4	463.6	3.70	1.67	2.89 YES
L0040096	0	0.63450E-07	461207.2	3777423.4	463.5	3.70	1.67	2.89 YES
L0040097	0	0.63450E-07	461203.8	3777422.4	463.5	3.70	1.67	2.89 YES
L0040098	0	0.63450E-07	461200.3	3777421.4	463.5	3.70	1.67	2.89 YES
L0040099	0	0.63450E-07	461196.9	3777420.3	463.4	3.70	1.67	2.89 YES
L0040100	0	0.63450E-07	461193.4	3777419.3	463.4	3.70	1.67	2.89 YES
L0040101	0	0.63450E-07	461190.0	3777418.3	463.4	3.70	1.67	2.89 YES
L0040102	0	0.63450E-07	461186.5	3777417.3	463.3	3.70	1.67	2.89 YES
L0040103	0	0.63450E-07	461183.0	3777416.3	463.3	3.70	1.67	2.89 YES
L0040104	0	0.63450E-07	461179.6	3777415.3	463.3	3.70	1.67	2.89 YES
L0040105	0	0.63450E-07	461176.1	3777414.3	463.2	3.70	1.67	2.89 YES
L0040106	0	0.63450E-07	461172.7	3777413.3	463.2	3.70	1.67	2.89 YES
L0040107	0	0.63450E-07	461169.2	3777412.3	463.2	3.70	1.67	2.89 YES
L0040108	0	0.63450E-07	461165.7	3777411.7	463.2	3.70	1.67	2.89 YES
L0040109	0	0.63450E-07	461162.1	3777411.0	463.2	3.70	1.67	2.89 YES
L0040110	0	0.63450E-07	461158.6	3777410.3	463.2	3.70	1.67	2.89 YES
L0040111	0	0.63450E-07	461155.1	3777409.6	463.2	3.70	1.67	2.89 YES
L0040112	0	0.63450E-07	461151.5	3777409.0	463.2	3.70	1.67	2.89 YES
L0040113	0	0.63450E-07	461148.0	3777408.3	463.2	3.70	1.67	2.89 YES
L0040114	0	0.63450E-07	461144.5	3777407.6	463.1	3.70	1.67	2.89 YES
L0040115	0	0.63450E-07	461140.9	3777406.9	463.1	3.70	1.67	2.89 YES
L0040116	0	0.63450E-07	461137.4	3777406.2	463.1	3.70	1.67	2.89 YES
L0040117	0	0.63450E-07	461133.8	3777405.6	463.1	3.70	1.67	2.89 YES

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 L0040118         0   0.63450E-07  461130.3 3777404.9   463.1     3.70     1.67
2.89     YES
 L0040119         0   0.63450E-07  461126.8 3777404.2   463.2     3.70     1.67
2.89     YES
 L0040120         0   0.63450E-07  461123.2 3777403.5   463.2     3.70     1.67
2.89     YES
 L0040121         0   0.63450E-07  461119.7 3777402.8   463.2     3.70     1.67
2.89     YES
 L0040122         0   0.63450E-07  461116.2 3777402.2   463.3     3.70     1.67
2.89     YES
 L0040123         0   0.63450E-07  461112.6 3777401.5   463.3     3.70     1.67
2.89     YES
 L0040124         0   0.63450E-07  461109.1 3777400.8   463.3     3.70     1.67
2.89     YES
 L0040125         0   0.63450E-07  461105.6 3777400.1   463.4     3.70     1.67
2.89     YES
 L0040126         0   0.63450E-07  461102.0 3777399.4   463.4     3.70     1.67
2.89     YES
 L0040127         0   0.63450E-07  461098.5 3777398.8   463.5     3.70     1.67
2.89     YES
 L0040128         0   0.63450E-07  461095.0 3777398.1   463.5     3.70     1.67
2.89     YES
 L0040129         0   0.63450E-07  461091.4 3777397.5   463.6     3.70     1.67
2.89     YES
 L0040130         0   0.63450E-07  461087.8 3777397.0   463.7     3.70     1.67
2.89     YES
 L0040131         0   0.63450E-07  461084.3 3777396.5   463.7     3.70     1.67
2.89     YES
 L0040132         0   0.63450E-07  461080.7 3777396.1   463.8     3.70     1.67
2.89     YES
 L0040133         0   0.63450E-07  461077.1 3777395.6   463.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040134	0	0.63450E-07	461073.6	3777395.1	463.9	3.70	1.67	2.89 YES
L0040135	0	0.63450E-07	461070.0	3777394.6	463.9	3.70	1.67	2.89 YES
L0040136	0	0.63450E-07	461066.4	3777394.1	463.9	3.70	1.67	2.89 YES
L0040137	0	0.63450E-07	461062.9	3777393.7	464.0	3.70	1.67	2.89 YES
L0040138	0	0.63450E-07	461059.3	3777393.2	464.0	3.70	1.67	2.89 YES
L0040139	0	0.63450E-07	461055.7	3777392.7	464.0	3.70	1.67	2.89 YES
L0040140	0	0.63450E-07	461052.2	3777392.2	464.1	3.70	1.67	2.89 YES
L0040141	0	0.63450E-07	461048.6	3777392.0	464.1	3.70	1.67	2.89 YES
L0040142	0	0.63450E-07	461045.0	3777391.9	464.2	3.70	1.67	2.89 YES
L0040143	0	0.63450E-07	461041.4	3777391.9	464.2	3.70	1.67	2.89 YES
L0040144	0	0.63450E-07	461037.8	3777391.8	464.3	3.70	1.67	2.89 YES
L0040145	0	0.63450E-07	461034.2	3777391.7	464.3	3.70	1.67	2.89 YES
L0040146	0	0.63450E-07	461030.6	3777391.6	464.4	3.70	1.67	2.89 YES
L0040147	0	0.63450E-07	461027.0	3777391.5	464.4	3.70	1.67	2.89 YES
L0040148	0	0.63450E-07	461023.4	3777391.5	464.5	3.70	1.67	2.89 YES
L0040149	0	0.63450E-07	461019.8	3777391.4	464.5	3.70	1.67	2.89 YES
L0040150	0	0.63450E-07	461016.2	3777391.3	464.5	3.70	1.67	2.89 YES
L0040151	0	0.63450E-07	461012.6	3777391.2	464.6	3.70	1.67	2.89 YES
L0040152	0	0.63450E-07	461009.0	3777391.1	464.6	3.70	1.67	2.89 YES
L0040153	0	0.63450E-07	461005.4	3777391.0	464.7	3.70	1.67	2.89 YES
L0040154	0	0.63450E-07	461001.8	3777391.0	464.7	3.70	1.67	2.89 YES
L0040155	0	0.63450E-07	460998.2	3777390.9	464.7	3.70	1.67	2.89 YES
L0040156	0	0.63450E-07	460994.6	3777390.8	464.7	3.70	1.67	2.89 YES
L0040157	0	0.63450E-07	460991.0	3777390.7	464.7	3.70	1.67	2.89 YES

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 L0040158         0   0.63450E-07  460987.4 3777390.6   464.8     3.70     1.67
2.89     YES
 L0040159         0   0.63450E-07  460983.8 3777390.6   464.8     3.70     1.67
2.89     YES
 L0040160         0   0.63450E-07  460980.2 3777390.5   464.8     3.70     1.67
2.89     YES
 L0040161         0   0.63450E-07  460976.6 3777390.4   464.8     3.70     1.67
2.89     YES
 L0040162         0   0.63450E-07  460973.0 3777390.3   464.8     3.70     1.67
2.89     YES
 L0040163         0   0.63450E-07  460969.4 3777390.2   464.8     3.70     1.67
2.89     YES
 L0040164         0   0.63450E-07  460965.8 3777390.2   464.8     3.70     1.67
2.89     YES
 L0040165         0   0.63450E-07  460962.2 3777390.1   464.9     3.70     1.67
2.89     YES
 L0040166         0   0.63450E-07  460958.6 3777390.0   464.9     3.70     1.67
2.89     YES
 L0040167         0   0.63450E-07  460955.0 3777389.9   464.9     3.70     1.67
2.89     YES
 L0040168         0   0.63450E-07  460951.4 3777389.8   464.9     3.70     1.67
2.89     YES
 L0040169         0   0.63450E-07  460947.8 3777389.8   464.9     3.70     1.67
2.89     YES
 L0040170         0   0.63450E-07  460944.2 3777389.7   464.9     3.70     1.67
2.89     YES
 L0040171         0   0.63450E-07  460940.6 3777389.6   465.0     3.70     1.67
2.89     YES
 L0040172         0   0.63450E-07  460937.0 3777389.5   465.0     3.70     1.67
2.89     YES
 L0040173         0   0.63450E-07  460933.4 3777389.4   465.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040174	0	0.63450E-07	460929.8	3777389.4	465.0	3.70	1.67	2.89 YES
L0040175	0	0.63450E-07	460926.2	3777389.3	465.1	3.70	1.67	2.89 YES
L0040176	0	0.63450E-07	460922.6	3777389.2	465.1	3.70	1.67	2.89 YES
L0040177	0	0.63450E-07	460919.0	3777389.1	465.1	3.70	1.67	2.89 YES
L0040178	0	0.63450E-07	460915.4	3777389.0	465.1	3.70	1.67	2.89 YES
L0040179	0	0.63450E-07	460911.8	3777388.9	465.2	3.70	1.67	2.89 YES
L0040180	0	0.63450E-07	460908.2	3777388.9	465.2	3.70	1.67	2.89 YES
L0040181	0	0.63450E-07	460904.6	3777388.8	465.2	3.70	1.67	2.89 YES
L0040182	0	0.63450E-07	460901.0	3777388.7	465.2	3.70	1.67	2.89 YES
L0040183	0	0.63550E-07	461407.7	3777260.3	462.7	3.70	1.67	2.89 YES
L0040184	0	0.63550E-07	461407.7	3777256.7	462.7	3.70	1.67	2.89 YES
L0040185	0	0.63550E-07	461407.8	3777253.1	462.6	3.70	1.67	2.89 YES
L0040186	0	0.63550E-07	461407.8	3777249.5	462.6	3.70	1.67	2.89 YES
L0040187	0	0.63550E-07	461407.9	3777245.9	462.5	3.70	1.67	2.89 YES
L0040188	0	0.63550E-07	461407.9	3777242.3	462.4	3.70	1.67	2.89 YES
L0040189	0	0.63550E-07	461408.0	3777238.7	462.4	3.70	1.67	2.89 YES
L0040190	0	0.63550E-07	461408.0	3777235.1	462.3	3.70	1.67	2.89 YES
L0040191	0	0.63550E-07	461408.1	3777231.5	462.2	3.70	1.67	2.89 YES
L0040192	0	0.63550E-07	461408.1	3777227.9	462.1	3.70	1.67	2.89 YES
L0040193	0	0.63550E-07	461408.2	3777224.3	462.1	3.70	1.67	2.89 YES
L0040194	0	0.63550E-07	461408.2	3777220.7	462.0	3.70	1.67	2.89 YES
L0040195	0	0.63550E-07	461408.3	3777217.1	461.9	3.70	1.67	2.89 YES
L0040196	0	0.63550E-07	461408.3	3777213.5	461.8	3.70	1.67	2.89 YES
L0040197	0	0.63550E-07	461408.4	3777209.9	461.7	3.70	1.67	2.89 YES

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 L0040198         0   0.63550E-07  461408.4 3777206.3   461.7     3.70     1.67
2.89     YES
 L0040199         0   0.63550E-07  461408.5 3777202.7   461.6     3.70     1.67
2.89     YES
 L0040200         0   0.63550E-07  461408.5 3777199.1   461.5     3.70     1.67
2.89     YES
 L0040201         0   0.63550E-07  461408.6 3777195.5   461.4     3.70     1.67
2.89     YES
 L0040202         0   0.63550E-07  461408.6 3777191.9   461.3     3.70     1.67
2.89     YES
 L0040203         0   0.63550E-07  461408.7 3777188.3   461.2     3.70     1.67
2.89     YES
 L0040204         0   0.63550E-07  461408.7 3777184.7   461.2     3.70     1.67
2.89     YES
 L0040205         0   0.63550E-07  461408.8 3777181.1   461.1     3.70     1.67
2.89     YES
 L0040206         0   0.63550E-07  461408.8 3777177.5   461.0     3.70     1.67
2.89     YES
 L0040207         0   0.63550E-07  461408.9 3777173.9   460.9     3.70     1.67
2.89     YES
 L0040208         0   0.63550E-07  461408.9 3777170.3   460.9     3.70     1.67
2.89     YES
 L0040209         0   0.63550E-07  461409.0 3777166.7   460.8     3.70     1.67
2.89     YES
 L0040210         0   0.63550E-07  461409.0 3777163.1   460.7     3.70     1.67
2.89     YES
 L0040211         0   0.63550E-07  461409.1 3777159.5   460.6     3.70     1.67
2.89     YES
 L0040212         0   0.63550E-07  461409.1 3777155.9   460.6     3.70     1.67
2.89     YES
 L0040213         0   0.63550E-07  461409.2 3777152.3   460.5     3.70     1.67
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0040214	0	0.63550E-07	461409.2	3777148.7	460.4	3.70	1.67	2.89 YES
L0040215	0	0.63550E-07	461409.3	3777145.1	460.3	3.70	1.67	2.89 YES
L0040216	0	0.63550E-07	461409.2	3777141.5	460.2	3.70	1.67	2.89 YES
L0040217	0	0.63550E-07	461409.1	3777137.9	460.1	3.70	1.67	2.89 YES
L0040218	0	0.63550E-07	461408.9	3777134.3	460.1	3.70	1.67	2.89 YES
L0040219	0	0.63550E-07	461408.8	3777130.7	460.0	3.70	1.67	2.89 YES
L0040220	0	0.63550E-07	461408.7	3777127.1	459.9	3.70	1.67	2.89 YES
L0040221	0	0.63550E-07	461408.6	3777123.5	459.8	3.70	1.67	2.89 YES
L0040222	0	0.63550E-07	461408.5	3777119.9	459.7	3.70	1.67	2.89 YES
L0040223	0	0.63550E-07	461408.4	3777116.3	459.7	3.70	1.67	2.89 YES
L0040224	0	0.63550E-07	461408.3	3777112.7	459.6	3.70	1.67	2.89 YES
L0040225	0	0.63550E-07	461408.2	3777109.1	459.5	3.70	1.67	2.89 YES
L0040226	0	0.63550E-07	461408.1	3777105.5	459.5	3.70	1.67	2.89 YES
L0040227	0	0.63550E-07	461408.0	3777101.9	459.4	3.70	1.67	2.89 YES
L0040228	0	0.63550E-07	461407.8	3777098.3	459.3	3.70	1.67	2.89 YES
L0040229	0	0.63550E-07	461407.7	3777094.7	459.2	3.70	1.67	2.89 YES
L0040230	0	0.63550E-07	461407.6	3777091.1	459.2	3.70	1.67	2.89 YES
L0040231	0	0.63550E-07	461407.5	3777087.5	459.0	3.70	1.67	2.89 YES
L0040232	0	0.63550E-07	461407.4	3777083.9	458.9	3.70	1.67	2.89 YES
L0040233	0	0.63550E-07	461407.3	3777080.3	458.8	3.70	1.67	2.89 YES
L0040234	0	0.63550E-07	461407.2	3777076.7	458.7	3.70	1.67	2.89 YES
L0040235	0	0.63550E-07	461407.1	3777073.1	458.6	3.70	1.67	2.89 YES
L0040236	0	0.63550E-07	461407.0	3777069.5	458.5	3.70	1.67	2.89 YES
L0040237	0	0.63550E-07	461406.9	3777065.9	458.4	3.70	1.67	2.89 YES

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 L0040238         0   0.63550E-07  461406.8 3777062.3   458.3     3.70     1.67
2.89     YES
 L0040239         0   0.63550E-07  461406.8 3777058.7   458.2     3.70     1.67
2.89     YES
 L0040240         0   0.63550E-07  461406.8 3777055.1   458.2     3.70     1.67
2.89     YES
 L0040241         0   0.63550E-07  461406.7 3777051.5   458.1     3.70     1.67
2.89     YES
 L0040242         0   0.63550E-07  461406.7 3777047.9   458.0     3.70     1.67
2.89     YES
 L0040243         0   0.63550E-07  461406.7 3777044.3   457.9     3.70     1.67
2.89     YES
 L0040244         0   0.63550E-07  461406.7 3777040.7   457.8     3.70     1.67
2.89     YES
 L0040245         0   0.63550E-07  461406.7 3777037.1   457.7     3.70     1.67
2.89     YES
 L0040246         0   0.63550E-07  461406.6 3777033.5   457.7     3.70     1.67
2.89     YES
 L0040247         0   0.63550E-07  461406.6 3777029.9   457.6     3.70     1.67
2.89     YES
 L0040248         0   0.63550E-07  461406.6 3777026.3   457.5     3.70     1.67
2.89     YES
 L0040249         0   0.63550E-07  461406.6 3777022.7   457.4     3.70     1.67
2.89     YES
 L0040250         0   0.63550E-07  461406.5 3777019.1   457.4     3.70     1.67
2.89     YES
 L0040251         0   0.63550E-07  461406.5 3777015.5   457.3     3.70     1.67
2.89     YES
 L0040252         0   0.63550E-07  461406.5 3777011.9   457.2     3.70     1.67
2.89     YES
 L0040253         0   0.63550E-07  461406.5 3777008.3   457.2     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0040254	0	0.63550E-07	461406.5	3777004.7	457.1	3.70	1.67	2.89	YES
L0040255	0	0.63550E-07	461406.5	3777001.1	457.0	3.70	1.67	2.89	YES
L0040256	0	0.63550E-07	461406.4	3776997.5	457.0	3.70	1.67	2.89	YES
L0040257	0	0.63550E-07	461406.4	3776993.9	456.9	3.70	1.67	2.89	YES
L0040258	0	0.63550E-07	461406.4	3776990.3	456.8	3.70	1.67	2.89	YES
L0040259	0	0.63550E-07	461406.4	3776986.7	456.8	3.70	1.67	2.89	YES
L0040260	0	0.63550E-07	461406.3	3776983.1	456.7	3.70	1.67	2.89	YES
L0040261	0	0.63550E-07	461406.3	3776979.5	456.6	3.70	1.67	2.89	YES
L0040262	0	0.63550E-07	461406.3	3776975.9	456.6	3.70	1.67	2.89	YES
L0040263	0	0.63550E-07	461406.3	3776972.3	456.5	3.70	1.67	2.89	YES
L0040264	0	0.63550E-07	461406.3	3776968.7	456.4	3.70	1.67	2.89	YES
L0040265	0	0.63550E-07	461406.2	3776965.1	456.3	3.70	1.67	2.89	YES
L0040266	0	0.63550E-07	461406.2	3776961.5	456.2	3.70	1.67	2.89	YES
L0040267	0	0.63550E-07	461406.2	3776957.9	456.2	3.70	1.67	2.89	YES
L0040268	0	0.63550E-07	461406.2	3776954.3	456.1	3.70	1.67	2.89	YES
L0040269	0	0.63550E-07	461406.2	3776950.7	456.0	3.70	1.67	2.89	YES
L0040270	0	0.63550E-07	461406.1	3776947.1	455.9	3.70	1.67	2.89	YES
L0040271	0	0.63550E-07	461406.1	3776943.5	455.9	3.70	1.67	2.89	YES
L0040272	0	0.63550E-07	461406.1	3776939.9	455.8	3.70	1.67	2.89	YES
L0040273	0	0.63550E-07	461406.1	3776936.3	455.7	3.70	1.67	2.89	YES
L0040274	0	0.63550E-07	461406.1	3776932.7	455.6	3.70	1.67	2.89	YES
L0040275	0	0.63550E-07	461406.0	3776929.1	455.6	3.70	1.67	2.89	YES
L0040276	0	0.63550E-07	461406.0	3776925.5	455.5	3.70	1.67	2.89	YES
L0040277	0	0.63550E-07	461406.0	3776921.9	455.4	3.70	1.67	2.89	YES

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 L0040278         0   0.63550E-07  461406.0 3776918.3   455.3     3.70     1.67
2.89     YES
 L0040279         0   0.63550E-07  461406.0 3776914.7   455.2     3.70     1.67
2.89     YES
 L0040280         0   0.63550E-07  461405.9 3776911.1   455.2     3.70     1.67
2.89     YES
 L0040281         0   0.63550E-07  461405.9 3776907.5   455.1     3.70     1.67
2.89     YES
 L0040282         0   0.63550E-07  461405.9 3776903.9   455.0     3.70     1.67
2.89     YES
 L0040283         0   0.63550E-07  461405.9 3776900.3   454.9     3.70     1.67
2.89     YES
 L0040284         0   0.63550E-07  461405.9 3776896.7   454.9     3.70     1.67
2.89     YES
 L0040285         0   0.63550E-07  461405.8 3776893.1   454.8     3.70     1.67
2.89     YES
 L0040286         0   0.63550E-07  461405.8 3776889.5   454.7     3.70     1.67
2.89     YES
 L0040287         0   0.63550E-07  461405.8 3776885.9   454.7     3.70     1.67
2.89     YES
 L0040288         0   0.63550E-07  461405.8 3776882.3   454.6     3.70     1.67
2.89     YES
 L0040289         0   0.63550E-07  461405.8 3776878.7   454.5     3.70     1.67
2.89     YES
 L0040290         0   0.63550E-07  461405.7 3776875.1   454.4     3.70     1.67
2.89     YES
 L0040291         0   0.63550E-07  461405.7 3776871.5   454.4     3.70     1.67
2.89     YES
 L0040292         0   0.63550E-07  461405.7 3776867.9   454.3     3.70     1.67
2.89     YES
 L0040293         0   0.63550E-07  461405.7 3776864.3   454.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040294	0	0.63550E-07	461405.7	3776860.7	454.2	3.70	1.67	2.89 YES
L0040295	0	0.63550E-07	461405.6	3776857.1	454.1	3.70	1.67	2.89 YES
L0040296	0	0.63550E-07	461405.6	3776853.5	454.0	3.70	1.67	2.89 YES
L0040297	0	0.63550E-07	461405.6	3776849.9	454.0	3.70	1.67	2.89 YES
L0040298	0	0.63550E-07	461405.6	3776846.3	453.9	3.70	1.67	2.89 YES
L0040299	0	0.63550E-07	461405.6	3776842.7	453.8	3.70	1.67	2.89 YES
L0040300	0	0.63550E-07	461405.5	3776839.1	453.8	3.70	1.67	2.89 YES
L0040301	0	0.63550E-07	461405.5	3776835.5	453.7	3.70	1.67	2.89 YES
L0040302	0	0.63550E-07	461405.5	3776831.9	453.6	3.70	1.67	2.89 YES
L0040303	0	0.63550E-07	461405.5	3776828.3	453.6	3.70	1.67	2.89 YES
L0040304	0	0.63550E-07	461405.5	3776824.7	453.5	3.70	1.67	2.89 YES
L0040305	0	0.63550E-07	461405.4	3776821.1	453.4	3.70	1.67	2.89 YES
L0040306	0	0.63550E-07	461405.4	3776817.5	453.4	3.70	1.67	2.89 YES
L0040307	0	0.63550E-07	461405.4	3776813.9	453.3	3.70	1.67	2.89 YES
L0040308	0	0.63550E-07	461405.4	3776810.3	453.2	3.70	1.67	2.89 YES
L0040309	0	0.63550E-07	461405.4	3776806.7	453.1	3.70	1.67	2.89 YES
L0040310	0	0.63550E-07	461405.3	3776803.1	453.1	3.70	1.67	2.89 YES
L0040311	0	0.63550E-07	461405.3	3776799.5	453.0	3.70	1.67	2.89 YES
L0040312	0	0.63550E-07	461405.3	3776795.9	452.9	3.70	1.67	2.89 YES
L0040313	0	0.63550E-07	461405.3	3776792.3	452.9	3.70	1.67	2.89 YES
L0040314	0	0.63550E-07	461405.3	3776788.7	452.8	3.70	1.67	2.89 YES
L0040315	0	0.63550E-07	461405.2	3776785.1	452.7	3.70	1.67	2.89 YES
L0040316	0	0.63550E-07	461405.2	3776781.5	452.6	3.70	1.67	2.89 YES
L0040317	0	0.63550E-07	461405.2	3776777.9	452.6	3.70	1.67	2.89 YES

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 L0040318         0   0.63550E-07  461405.2 3776774.3   452.5     3.70     1.67
2.89     YES
 L0040319         0   0.63550E-07  461405.2 3776770.7   452.4     3.70     1.67
2.89     YES
 L0040320         0   0.63550E-07  461405.1 3776767.1   452.4     3.70     1.67
2.89     YES
 L0040321         0   0.63550E-07  461405.1 3776763.5   452.3     3.70     1.67
2.89     YES
 L0040322         0   0.63550E-07  461405.1 3776759.9   452.2     3.70     1.67
2.89     YES
 L0040323         0   0.63550E-07  461405.1 3776756.3   452.2     3.70     1.67
2.89     YES
 L0040324         0   0.63550E-07  461405.1 3776752.7   452.1     3.70     1.67
2.89     YES
 L0040325         0   0.63550E-07  461405.0 3776749.1   452.0     3.70     1.67
2.89     YES
 L0040326         0   0.63550E-07  461405.0 3776745.5   451.9     3.70     1.67
2.89     YES
 L0040327         0   0.63550E-07  461405.0 3776741.9   451.9     3.70     1.67
2.89     YES
 L0040328         0   0.63550E-07  461405.0 3776738.3   451.8     3.70     1.67
2.89     YES
 L0040329         0   0.63550E-07  461405.0 3776734.7   451.7     3.70     1.67
2.89     YES
 L0040330         0   0.63550E-07  461404.9 3776731.1   451.6     3.70     1.67
2.89     YES
 L0040331         0   0.63550E-07  461404.9 3776727.5   451.6     3.70     1.67
2.89     YES
 L0040332         0   0.63550E-07  461404.9 3776723.9   451.5     3.70     1.67
2.89     YES
 L0040333         0   0.63550E-07  461404.9 3776720.3   451.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040334	0	0.63550E-07	461404.9	3776716.7	451.3	3.70	1.67	2.89 YES
L0040335	0	0.63550E-07	461404.8	3776713.1	451.2	3.70	1.67	2.89 YES
L0040336	0	0.63550E-07	461404.8	3776709.5	451.1	3.70	1.67	2.89 YES
L0040337	0	0.63550E-07	461404.8	3776705.9	451.0	3.70	1.67	2.89 YES
L0040338	0	0.63550E-07	461404.8	3776702.3	450.9	3.70	1.67	2.89 YES
L0040339	0	0.63550E-07	461404.8	3776698.8	450.9	3.70	1.67	2.89 YES
L0040340	0	0.63550E-07	461404.7	3776695.1	450.8	3.70	1.67	2.89 YES
L0040341	0	0.63550E-07	461404.7	3776691.5	450.7	3.70	1.67	2.89 YES
L0040342	0	0.63550E-07	461404.7	3776687.9	450.6	3.70	1.67	2.89 YES
L0040343	0	0.63550E-07	461404.7	3776684.3	450.4	3.70	1.67	2.89 YES
L0040344	0	0.63550E-07	461404.7	3776680.8	450.3	3.70	1.67	2.89 YES
L0040345	0	0.63550E-07	461404.6	3776677.1	450.2	3.70	1.67	2.89 YES
L0040346	0	0.63550E-07	461404.6	3776673.5	450.1	3.70	1.67	2.89 YES
L0040347	0	0.63550E-07	461404.6	3776669.9	450.0	3.70	1.67	2.89 YES
L0040348	0	0.63550E-07	461404.6	3776666.3	449.9	3.70	1.67	2.89 YES
L0040349	0	0.63550E-07	461404.6	3776662.8	449.8	3.70	1.67	2.89 YES
L0040350	0	0.63550E-07	461404.5	3776659.1	449.8	3.70	1.67	2.89 YES
L0040351	0	0.63550E-07	461404.5	3776655.5	449.7	3.70	1.67	2.89 YES
L0040352	0	0.63550E-07	461404.5	3776651.9	449.6	3.70	1.67	2.89 YES
L0040353	0	0.63550E-07	461404.5	3776648.3	449.5	3.70	1.67	2.89 YES
L0040354	0	0.63550E-07	461404.5	3776644.8	449.4	3.70	1.67	2.89 YES
L0040355	0	0.63550E-07	461404.4	3776641.1	449.4	3.70	1.67	2.89 YES
L0040356	0	0.63550E-07	461404.4	3776637.6	449.3	3.70	1.67	2.89 YES
L0040357	0	0.63550E-07	461404.4	3776634.0	449.2	3.70	1.67	2.89 YES

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 L0040358         0   0.63550E-07  461404.4 3776630.4   449.2     3.70     1.67
2.89     YES
 L0040359         0   0.63550E-07  461404.4 3776626.8   449.1     3.70     1.67
2.89     YES
 L0040360         0   0.63550E-07  461404.3 3776623.2   449.0     3.70     1.67
2.89     YES
 L0040361         0   0.63550E-07  461404.3 3776619.6   449.0     3.70     1.67
2.89     YES
 L0040362         0   0.63550E-07  461404.3 3776616.0   448.9     3.70     1.67
2.89     YES
 L0040363         0   0.63550E-07  461404.3 3776612.4   448.8     3.70     1.67
2.89     YES
 L0040364         0   0.63550E-07  461404.3 3776608.8   448.8     3.70     1.67
2.89     YES
 L0040365         0   0.63550E-07  461404.2 3776605.2   448.7     3.70     1.67
2.89     YES
 L0040366         0   0.63550E-07  461404.2 3776601.6   448.7     3.70     1.67
2.89     YES
 L0040367         0   0.63550E-07  461404.2 3776598.0   448.6     3.70     1.67
2.89     YES
 L0040368         0   0.63550E-07  461404.2 3776594.4   448.5     3.70     1.67
2.89     YES
 L0040369         0   0.63550E-07  461404.2 3776590.8   448.5     3.70     1.67
2.89     YES
 L0040370         0   0.63550E-07  461404.1 3776587.2   448.4     3.70     1.67
2.89     YES
 L0040371         0   0.63550E-07  461404.1 3776583.6   448.4     3.70     1.67
2.89     YES
 L0040372         0   0.63550E-07  461404.1 3776580.0   448.3     3.70     1.67
2.89     YES
 L0040373         0   0.63550E-07  461404.1 3776576.4   448.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040374	0	0.63550E-07	461404.1	3776572.8	448.2	3.70	1.67	2.89 YES
L0040375	0	0.63550E-07	461404.0	3776569.2	448.1	3.70	1.67	2.89 YES
L0040376	0	0.63550E-07	461404.0	3776565.6	448.1	3.70	1.67	2.89 YES
L0040377	0	0.63550E-07	461404.0	3776562.0	448.0	3.70	1.67	2.89 YES
L0040378	0	0.63550E-07	461404.0	3776558.4	447.9	3.70	1.67	2.89 YES
L0040379	0	0.63550E-07	461404.0	3776554.8	447.9	3.70	1.67	2.89 YES
L0040380	0	0.63550E-07	461403.9	3776551.2	447.8	3.70	1.67	2.89 YES
L0040381	0	0.63550E-07	461403.9	3776547.6	447.7	3.70	1.67	2.89 YES
L0040382	0	0.63550E-07	461403.9	3776544.0	447.7	3.70	1.67	2.89 YES
L0040383	0	0.63550E-07	461403.9	3776540.4	447.6	3.70	1.67	2.89 YES
L0040384	0	0.63550E-07	461403.9	3776536.8	447.5	3.70	1.67	2.89 YES
L0040385	0	0.63550E-07	461403.8	3776533.2	447.5	3.70	1.67	2.89 YES
L0040386	0	0.63550E-07	461403.8	3776529.6	447.4	3.70	1.67	2.89 YES
L0040387	0	0.63550E-07	461403.8	3776526.0	447.3	3.70	1.67	2.89 YES
L0040388	0	0.63550E-07	461403.8	3776522.4	447.3	3.70	1.67	2.89 YES
L0040389	0	0.63550E-07	461403.8	3776518.8	447.2	3.70	1.67	2.89 YES
L0040390	0	0.63550E-07	461403.7	3776515.2	447.1	3.70	1.67	2.89 YES
L0040391	0	0.63550E-07	461403.7	3776511.6	447.1	3.70	1.67	2.89 YES
L0040392	0	0.63550E-07	461403.7	3776508.0	447.0	3.70	1.67	2.89 YES
L0040393	0	0.63550E-07	461403.7	3776504.4	446.9	3.70	1.67	2.89 YES
L0040394	0	0.63550E-07	461403.7	3776500.8	446.8	3.70	1.67	2.89 YES
L0040395	0	0.63550E-07	461403.6	3776497.2	446.7	3.70	1.67	2.89 YES
L0040396	0	0.63550E-07	461403.6	3776493.6	446.6	3.70	1.67	2.89 YES
L0040397	0	0.63550E-07	461403.6	3776490.0	446.5	3.70	1.67	2.89 YES

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 L0040398         0   0.63550E-07  461403.6 3776486.4   446.4     3.70     1.67
2.89     YES
 L0040399         0   0.63550E-07  461403.6 3776482.8   446.3     3.70     1.67
2.89     YES
 L0040400         0   0.63550E-07  461403.5 3776479.2   446.2     3.70     1.67
2.89     YES
 L0040401         0   0.63550E-07  461403.5 3776475.6   446.2     3.70     1.67
2.89     YES
 L0040402         0   0.63550E-07  461403.5 3776472.0   446.1     3.70     1.67
2.89     YES
 L0040403         0   0.63550E-07  461403.5 3776468.4   446.1     3.70     1.67
2.89     YES
 L0040404         0   0.63550E-07  461403.5 3776464.8   446.0     3.70     1.67
2.89     YES
 L0040405         0   0.63550E-07  461403.4 3776461.2   446.0     3.70     1.67
2.89     YES
 L0040406         0   0.63550E-07  461403.4 3776457.6   445.9     3.70     1.67
2.89     YES
 L0040407         0   0.63550E-07  461403.4 3776454.0   445.9     3.70     1.67
2.89     YES
 L0040408         0   0.63550E-07  461403.4 3776450.4   445.8     3.70     1.67
2.89     YES
 L0040409         0   0.63550E-07  461403.4 3776446.8   445.8     3.70     1.67
2.89     YES
 L0040410         0   0.63550E-07  461403.4 3776443.2   445.7     3.70     1.67
2.89     YES
 L0040411         0   0.63550E-07  461403.3 3776439.6   445.7     3.70     1.67
2.89     YES
 L0040412         0   0.63550E-07  461403.3 3776436.0   445.6     3.70     1.67
2.89     YES
 L0040413         0   0.63550E-07  461403.3 3776432.4   445.5     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0040414	0	0.63550E-07	461403.3	3776428.8	445.5	3.70	1.67	2.89 YES
L0040415	0	0.63550E-07	461403.3	3776425.2	445.4	3.70	1.67	2.89 YES
L0040416	0	0.63550E-07	461403.3	3776421.6	445.4	3.70	1.67	2.89 YES
L0040417	0	0.63550E-07	461403.3	3776418.0	445.3	3.70	1.67	2.89 YES
L0040418	0	0.63550E-07	461403.3	3776414.4	445.2	3.70	1.67	2.89 YES
L0040419	0	0.63550E-07	461403.3	3776410.8	445.1	3.70	1.67	2.89 YES
L0040420	0	0.63550E-07	461403.3	3776407.2	445.0	3.70	1.67	2.89 YES
L0040421	0	0.63550E-07	461403.3	3776403.6	444.9	3.70	1.67	2.89 YES
L0040422	0	0.63550E-07	461403.3	3776400.0	444.8	3.70	1.67	2.89 YES
L0040423	0	0.63550E-07	461403.3	3776396.4	444.7	3.70	1.67	2.89 YES
L0040424	0	0.63550E-07	461403.2	3776392.8	444.6	3.70	1.67	2.89 YES
L0040425	0	0.63550E-07	461403.2	3776389.2	444.5	3.70	1.67	2.89 YES
L0040426	0	0.63550E-07	461403.2	3776385.6	444.4	3.70	1.67	2.89 YES
L0040427	0	0.63550E-07	461403.2	3776382.0	444.3	3.70	1.67	2.89 YES
L0040428	0	0.63550E-07	461403.2	3776378.4	444.2	3.70	1.67	2.89 YES
L0040429	0	0.63550E-07	461403.2	3776374.8	444.2	3.70	1.67	2.89 YES
L0040430	0	0.63550E-07	461403.2	3776371.2	444.1	3.70	1.67	2.89 YES
L0040431	0	0.63550E-07	461403.2	3776367.6	444.0	3.70	1.67	2.89 YES
L0040432	0	0.63550E-07	461403.2	3776364.0	443.9	3.70	1.67	2.89 YES
L0040433	0	0.63550E-07	461403.2	3776360.4	443.9	3.70	1.67	2.89 YES
L0040434	0	0.63550E-07	461403.2	3776356.8	443.8	3.70	1.67	2.89 YES
L0040435	0	0.63550E-07	461403.2	3776353.2	443.7	3.70	1.67	2.89 YES
L0040436	0	0.63550E-07	461403.1	3776349.6	443.6	3.70	1.67	2.89 YES
L0040437	0	0.63550E-07	461403.1	3776346.0	443.6	3.70	1.67	2.89 YES

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 L0040438         0   0.63550E-07  461403.1 3776342.4   443.5     3.70     1.67
2.89     YES
 L0040439         0   0.63550E-07  461403.1 3776338.8   443.4     3.70     1.67
2.89     YES
 L0040440         0   0.63550E-07  461403.1 3776335.2   443.3     3.70     1.67
2.89     YES
 L0040441         0   0.63550E-07  461403.1 3776331.6   443.2     3.70     1.67
2.89     YES
 L0040442         0   0.63550E-07  461403.1 3776328.0   443.2     3.70     1.67
2.89     YES
 L0040443         0   0.63550E-07  461403.1 3776324.4   443.1     3.70     1.67
2.89     YES
 L0040444         0   0.63550E-07  461403.1 3776320.8   443.0     3.70     1.67
2.89     YES
 L0040445         0   0.63550E-07  461403.1 3776317.2   442.9     3.70     1.67
2.89     YES
 L0040446         0   0.63550E-07  461403.1 3776313.6   442.8     3.70     1.67
2.89     YES
 L0040447         0   0.63550E-07  461403.1 3776310.0   442.8     3.70     1.67
2.89     YES
 L0040448         0   0.63550E-07  461403.1 3776306.4   442.7     3.70     1.67
2.89     YES
 L0040449         0   0.63550E-07  461403.0 3776302.8   442.6     3.70     1.67
2.89     YES
 L0040450         0   0.63550E-07  461403.0 3776299.2   442.5     3.70     1.67
2.89     YES
 L0040451         0   0.63550E-07  461403.0 3776295.6   442.4     3.70     1.67
2.89     YES
 L0040452         0   0.63550E-07  461403.0 3776292.0   442.3     3.70     1.67
2.89     YES
 L0040453         0   0.63550E-07  461403.0 3776288.4   442.2     3.70     1.67
2.89     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
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L0040454	0	0.63550E-07	461403.0	3776284.8	442.1	3.70	1.67	2.89 YES
L0040455	0	0.63550E-07	461403.0	3776281.2	442.0	3.70	1.67	2.89 YES
L0040456	0	0.63550E-07	461403.0	3776277.6	441.9	3.70	1.67	2.89 YES
L0040457	0	0.63550E-07	461403.0	3776274.0	441.9	3.70	1.67	2.89 YES
L0040458	0	0.63550E-07	461403.0	3776270.4	441.8	3.70	1.67	2.89 YES
L0040459	0	0.63550E-07	461403.0	3776266.8	441.7	3.70	1.67	2.89 YES
L0040460	0	0.63550E-07	461403.0	3776263.2	441.6	3.70	1.67	2.89 YES
L0040461	0	0.63550E-07	461402.9	3776259.6	441.5	3.70	1.67	2.89 YES
L0040462	0	0.63550E-07	461402.9	3776256.0	441.4	3.70	1.67	2.89 YES
L0040463	0	0.63550E-07	461402.9	3776252.4	441.3	3.70	1.67	2.89 YES
L0040464	0	0.63550E-07	461402.9	3776248.8	441.2	3.70	1.67	2.89 YES
L0040465	0	0.63550E-07	461402.9	3776245.2	441.1	3.70	1.67	2.89 YES
L0040466	0	0.63550E-07	461402.9	3776241.6	441.0	3.70	1.67	2.89 YES
L0040467	0	0.63550E-07	461402.9	3776238.0	440.9	3.70	1.67	2.89 YES
L0040468	0	0.63550E-07	461402.9	3776234.4	440.8	3.70	1.67	2.89 YES
L0040469	0	0.63550E-07	461402.9	3776230.8	440.7	3.70	1.67	2.89 YES
L0040470	0	0.63550E-07	461402.9	3776227.2	440.7	3.70	1.67	2.89 YES
L0040471	0	0.63550E-07	461402.9	3776223.6	440.6	3.70	1.67	2.89 YES
L0040472	0	0.63550E-07	461402.9	3776220.0	440.5	3.70	1.67	2.89 YES
L0040473	0	0.63550E-07	461402.9	3776216.4	440.4	3.70	1.67	2.89 YES
L0040474	0	0.63550E-07	461402.8	3776212.8	440.3	3.70	1.67	2.89 YES
L0040475	0	0.63550E-07	461402.8	3776209.2	440.2	3.70	1.67	2.89 YES
L0040476	0	0.63550E-07	461402.8	3776205.6	440.2	3.70	1.67	2.89 YES
L0040477	0	0.63550E-07	461402.8	3776202.0	440.1	3.70	1.67	2.89 YES

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 L0040478         0   0.63550E-07  461402.8 3776198.4   440.0     3.70     1.67
2.89     YES
 L0040479         0   0.63550E-07  461402.8 3776194.8   439.9     3.70     1.67
2.89     YES
 L0040480         0   0.63550E-07  461402.8 3776191.2   439.8     3.70     1.67
2.89     YES
 L0040481         0   0.63550E-07  461402.8 3776187.6   439.7     3.70     1.67
2.89     YES
 L0040482         0   0.63550E-07  461402.8 3776184.0   439.6     3.70     1.67
2.89     YES
 L0040483         0   0.63550E-07  461402.8 3776180.4   439.5     3.70     1.67
2.89     YES
 L0040484         0   0.63550E-07  461402.8 3776176.8   439.4     3.70     1.67
2.89     YES
 L0040485         0   0.63550E-07  461402.8 3776173.2   439.4     3.70     1.67
2.89     YES
 L0040486         0   0.63550E-07  461402.7 3776169.6   439.3     3.70     1.67
2.89     YES
 L0040487         0   0.63550E-07  461402.7 3776166.0   439.2     3.70     1.67
2.89     YES
 L0040488         0   0.63550E-07  461402.7 3776162.4   439.1     3.70     1.67
2.89     YES
 L0040489         0   0.63550E-07  461402.7 3776158.8   439.1     3.70     1.67
2.89     YES
 L0040490         0   0.63550E-07  461402.7 3776155.2   439.0     3.70     1.67
2.89     YES
 L0040491         0   0.63550E-07  461402.7 3776151.6   438.9     3.70     1.67
2.89     YES
 L0040492         0   0.63550E-07  461402.7 3776148.0   438.8     3.70     1.67
2.89     YES
 L0040493         0   0.63550E-07  461402.7 3776144.4   438.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040494	0	0.63550E-07	461402.7	3776140.8	438.7	3.70	1.67	2.89 YES
L0040495	0	0.63550E-07	461402.7	3776137.2	438.6	3.70	1.67	2.89 YES
L0040496	0	0.63550E-07	461402.7	3776133.6	438.6	3.70	1.67	2.89 YES
L0040497	0	0.63550E-07	461402.7	3776130.0	438.5	3.70	1.67	2.89 YES
L0040498	0	0.63550E-07	461402.7	3776126.4	438.4	3.70	1.67	2.89 YES
L0040499	0	0.63550E-07	461402.6	3776122.8	438.4	3.70	1.67	2.89 YES
L0040500	0	0.63550E-07	461402.6	3776119.2	438.3	3.70	1.67	2.89 YES
L0040501	0	0.63550E-07	461402.6	3776115.6	438.2	3.70	1.67	2.89 YES
L0040502	0	0.63550E-07	461402.6	3776112.0	438.2	3.70	1.67	2.89 YES
L0040503	0	0.63550E-07	461402.6	3776108.4	438.1	3.70	1.67	2.89 YES
L0040504	0	0.63550E-07	461402.6	3776104.8	438.0	3.70	1.67	2.89 YES
L0040505	0	0.63550E-07	461402.6	3776101.2	437.9	3.70	1.67	2.89 YES
L0040506	0	0.63550E-07	461402.6	3776097.6	437.9	3.70	1.67	2.89 YES
L0040507	0	0.63550E-07	461402.6	3776094.0	437.8	3.70	1.67	2.89 YES
L0040508	0	0.63550E-07	461402.6	3776090.4	437.7	3.70	1.67	2.89 YES
L0040509	0	0.63550E-07	461402.6	3776086.8	437.7	3.70	1.67	2.89 YES
L0040510	0	0.63550E-07	461402.6	3776083.2	437.6	3.70	1.67	2.89 YES
L0040511	0	0.63550E-07	461402.5	3776079.6	437.5	3.70	1.67	2.89 YES
L0040512	0	0.63550E-07	461402.5	3776076.0	437.4	3.70	1.67	2.89 YES
L0040513	0	0.63550E-07	461402.5	3776072.4	437.4	3.70	1.67	2.89 YES
L0040514	0	0.63550E-07	461402.5	3776068.8	437.3	3.70	1.67	2.89 YES
L0040515	0	0.63550E-07	461402.5	3776065.2	437.2	3.70	1.67	2.89 YES
L0040516	0	0.63550E-07	461402.5	3776061.6	437.2	3.70	1.67	2.89 YES
L0040517	0	0.63550E-07	461402.5	3776058.0	437.1	3.70	1.67	2.89 YES

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 L0040518         0   0.63550E-07  461402.5 3776054.4   437.0     3.70     1.67
2.89     YES
 L0040519         0   0.63550E-07  461402.5 3776050.8   437.0     3.70     1.67
2.89     YES
 L0040520         0   0.63550E-07  461402.5 3776047.2   436.9     3.70     1.67
2.89     YES
 L0040521         0   0.63550E-07  461402.5 3776043.6   436.9     3.70     1.67
2.89     YES
 L0040522         0   0.63550E-07  461402.5 3776040.0   436.8     3.70     1.67
2.89     YES
 L0040523         0   0.63550E-07  461402.5 3776036.4   436.8     3.70     1.67
2.89     YES
 L0040524         0   0.63550E-07  461402.4 3776032.8   436.8     3.70     1.67
2.89     YES
 L0040525         0   0.63550E-07  461402.4 3776029.2   436.7     3.70     1.67
2.89     YES
 L0040526         0   0.63550E-07  461402.4 3776025.6   436.7     3.70     1.67
2.89     YES
 L0040527         0   0.63550E-07  461402.4 3776022.0   436.6     3.70     1.67
2.89     YES
 L0040528         0   0.63550E-07  461402.4 3776018.4   436.6     3.70     1.67
2.89     YES
 L0040529         0   0.63550E-07  461402.4 3776014.8   436.5     3.70     1.67
2.89     YES
 L0040530         0   0.63550E-07  461402.4 3776011.2   436.4     3.70     1.67
2.89     YES
 L0040531         0   0.63550E-07  461402.4 3776007.6   436.4     3.70     1.67
2.89     YES
 L0040532         0   0.63550E-07  461402.4 3776004.0   436.3     3.70     1.67
2.89     YES
 L0040533         0   0.63550E-07  461402.4 3776000.4   436.2     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0040534	0	0.63550E-07	461402.4	3775996.8	436.2	3.70	1.67	2.89 YES
L0040535	0	0.63550E-07	461402.4	3775993.2	436.1	3.70	1.67	2.89 YES
L0040536	0	0.63550E-07	461402.4	3775989.6	436.0	3.70	1.67	2.89 YES
L0040537	0	0.63550E-07	461402.3	3775986.0	436.0	3.70	1.67	2.89 YES
L0040538	0	0.63550E-07	461402.3	3775982.4	435.9	3.70	1.67	2.89 YES
L0040539	0	0.63550E-07	461402.3	3775978.8	435.9	3.70	1.67	2.89 YES
L0040540	0	0.63550E-07	461402.3	3775975.2	435.8	3.70	1.67	2.89 YES
L0040541	0	0.63550E-07	461402.3	3775971.6	435.7	3.70	1.67	2.89 YES
L0040542	0	0.63550E-07	461402.3	3775968.0	435.7	3.70	1.67	2.89 YES
L0040543	0	0.63550E-07	461402.3	3775964.4	435.6	3.70	1.67	2.89 YES
L0040544	0	0.63550E-07	461402.3	3775960.8	435.5	3.70	1.67	2.89 YES
L0040545	0	0.63550E-07	461402.3	3775957.2	435.5	3.70	1.67	2.89 YES
L0040546	0	0.63550E-07	461402.3	3775953.6	435.4	3.70	1.67	2.89 YES
L0040547	0	0.63550E-07	461402.3	3775950.0	435.3	3.70	1.67	2.89 YES
L0040548	0	0.63550E-07	461402.3	3775946.4	435.3	3.70	1.67	2.89 YES
L0040549	0	0.63550E-07	461402.2	3775942.8	435.2	3.70	1.67	2.89 YES
L0040550	0	0.63550E-07	461402.2	3775939.2	435.1	3.70	1.67	2.89 YES
L0040551	0	0.63550E-07	461402.2	3775935.6	435.1	3.70	1.67	2.89 YES
L0040552	0	0.63550E-07	461402.2	3775932.0	435.0	3.70	1.67	2.89 YES
L0040553	0	0.63550E-07	461402.2	3775928.4	434.9	3.70	1.67	2.89 YES
L0040554	0	0.63550E-07	461402.2	3775924.8	434.9	3.70	1.67	2.89 YES
L0040555	0	0.63550E-07	461402.2	3775921.2	434.8	3.70	1.67	2.89 YES
L0040556	0	0.63550E-07	461402.2	3775917.6	434.7	3.70	1.67	2.89 YES
L0040557	0	0.63550E-07	461402.2	3775914.0	434.7	3.70	1.67	2.89 YES

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 L0040558         0   0.63550E-07  461402.2 3775910.4   434.6     3.70     1.67
2.89     YES
 L0040559         0   0.63550E-07  461402.2 3775906.8   434.5     3.70     1.67
2.89     YES
 L0040560         0   0.63550E-07  461402.2 3775903.2   434.4     3.70     1.67
2.89     YES
 L0040561         0   0.63550E-07  461402.2 3775899.6   434.4     3.70     1.67
2.89     YES
 L0040562         0   0.63550E-07  461402.1 3775896.0   434.3     3.70     1.67
2.89     YES
 L0040563         0   0.63550E-07  461402.1 3775892.4   434.2     3.70     1.67
2.89     YES
 L0040564         0   0.63550E-07  461402.1 3775888.8   434.2     3.70     1.67
2.89     YES
 L0040565         0   0.63550E-07  461402.1 3775885.2   434.1     3.70     1.67
2.89     YES
 L0040566         0   0.63550E-07  461402.1 3775881.6   434.1     3.70     1.67
2.89     YES
 L0040567         0   0.63550E-07  461402.1 3775878.0   434.0     3.70     1.67
2.89     YES
 L0040568         0   0.63550E-07  461402.1 3775874.4   433.9     3.70     1.67
2.89     YES
 L0040569         0   0.63550E-07  461402.1 3775870.8   433.9     3.70     1.67
2.89     YES
 L0040570         0   0.63550E-07  461402.1 3775867.2   433.8     3.70     1.67
2.89     YES
 L0040571         0   0.63550E-07  461402.1 3775863.6   433.8     3.70     1.67
2.89     YES
 L0040572         0   0.63550E-07  461402.1 3775860.0   433.7     3.70     1.67
2.89     YES
 L0040573         0   0.63550E-07  461402.1 3775856.4   433.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040574	0	0.63550E-07	461402.0	3775852.8	433.5	3.70	1.67	2.89	YES
L0040575	0	0.63550E-07	461402.0	3775849.2	433.5	3.70	1.67	2.89	YES
L0040576	0	0.63550E-07	461402.0	3775845.6	433.4	3.70	1.67	2.89	YES
L0040577	0	0.63550E-07	461402.0	3775842.0	433.3	3.70	1.67	2.89	YES
L0040578	0	0.63550E-07	461402.0	3775838.4	433.2	3.70	1.67	2.89	YES
L0040579	0	0.63550E-07	461402.0	3775834.8	433.2	3.70	1.67	2.89	YES
L0040580	0	0.63550E-07	461402.0	3775831.2	433.1	3.70	1.67	2.89	YES
L0040581	0	0.63550E-07	461402.2	3775827.6	433.0	3.70	1.67	2.89	YES
L0040582	0	0.63550E-07	461402.4	3775824.0	432.9	3.70	1.67	2.89	YES
L0040583	0	0.63550E-07	461402.6	3775820.4	432.8	3.70	1.67	2.89	YES
L0040584	0	0.63550E-07	461402.8	3775816.8	432.7	3.70	1.67	2.89	YES
L0040585	0	0.63550E-07	461403.1	3775813.2	432.7	3.70	1.67	2.89	YES
L0040586	0	0.63550E-07	461403.3	3775809.6	432.6	3.70	1.67	2.89	YES
L0040587	0	0.63550E-07	461403.5	3775806.0	432.5	3.70	1.67	2.89	YES
L0040588	0	0.63550E-07	461403.8	3775802.4	432.4	3.70	1.67	2.89	YES
L0040589	0	0.63550E-07	461404.0	3775798.8	432.3	3.70	1.67	2.89	YES
L0040590	0	0.63550E-07	461404.2	3775795.2	432.2	3.70	1.67	2.89	YES
L0040591	0	0.63550E-07	461404.5	3775791.6	432.1	3.70	1.67	2.89	YES
L0040592	0	0.63550E-07	461404.7	3775788.0	432.0	3.70	1.67	2.89	YES
L0040593	0	0.63550E-07	461405.3	3775784.5	431.9	3.70	1.67	2.89	YES
L0040594	0	0.63550E-07	461405.9	3775780.9	431.8	3.70	1.67	2.89	YES
L0040595	0	0.63550E-07	461406.5	3775777.4	431.7	3.70	1.67	2.89	YES
L0040596	0	0.63550E-07	461407.2	3775773.9	431.6	3.70	1.67	2.89	YES
L0040597	0	0.63550E-07	461407.8	3775770.3	431.6	3.70	1.67	2.89	YES

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 L0040598         0   0.63550E-07  461408.4 3775766.8   431.5     3.70     1.67
2.89     YES
 L0040599         0   0.63550E-07  461408.7 3775763.2   431.4     3.70     1.67
2.89     YES
 L0040600         0   0.63550E-07  461409.0 3775759.6   431.3     3.70     1.67
2.89     YES
 L0040601         0   0.63550E-07  461409.3 3775756.0   431.2     3.70     1.67
2.89     YES
 L0040602         0   0.63550E-07  461409.6 3775752.4   431.2     3.70     1.67
2.89     YES
 L0040603         0   0.63550E-07  461409.9 3775748.8   431.1     3.70     1.67
2.89     YES
 L0040604         0   0.63550E-07  461410.2 3775745.2   431.0     3.70     1.67
2.89     YES
 L0040605         0   0.63550E-07  461410.6 3775741.7   430.9     3.70     1.67
2.89     YES
 L0040606         0   0.63550E-07  461410.9 3775738.1   430.9     3.70     1.67
2.89     YES
 L0040607         0   0.63550E-07  461411.2 3775734.5   430.8     3.70     1.67
2.89     YES
 L0040608         0   0.63550E-07  461411.3 3775730.9   430.8     3.70     1.67
2.89     YES
 L0040609         0   0.63550E-07  461411.3 3775727.3   430.7     3.70     1.67
2.89     YES
 L0040610         0   0.63550E-07  461411.3 3775723.7   430.6     3.70     1.67
2.89     YES
 L0040611         0   0.63550E-07  461411.3 3775720.1   430.6     3.70     1.67
2.89     YES
 L0040612         0   0.63550E-07  461411.2 3775716.5   430.5     3.70     1.67
2.89     YES
 L0040613         0   0.63550E-07  461411.2 3775712.9   430.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040614	0	0.63550E-07	461411.2	3775709.3	430.4	3.70	1.67	2.89 YES
L0040615	0	0.63550E-07	461411.1	3775705.7	430.3	3.70	1.67	2.89 YES
L0040616	0	0.63550E-07	461411.1	3775702.1	430.3	3.70	1.67	2.89 YES
L0040617	0	0.63550E-07	461411.1	3775698.5	430.2	3.70	1.67	2.89 YES
L0040618	0	0.63550E-07	461411.1	3775694.9	430.2	3.70	1.67	2.89 YES
L0040619	0	0.63550E-07	461411.0	3775691.3	430.2	3.70	1.67	2.89 YES
L0040620	0	0.63550E-07	461411.0	3775687.7	430.1	3.70	1.67	2.89 YES
L0040621	0	0.63550E-07	461411.0	3775684.1	430.1	3.70	1.67	2.89 YES
L0040622	0	0.63390E-07	461420.6	3777260.5	462.7	3.70	1.67	2.89 YES
L0040623	0	0.63390E-07	461420.6	3777256.9	462.7	3.70	1.67	2.89 YES
L0040624	0	0.63390E-07	461420.6	3777253.3	462.6	3.70	1.67	2.89 YES
L0040625	0	0.63390E-07	461420.6	3777249.7	462.6	3.70	1.67	2.89 YES
L0040626	0	0.63390E-07	461420.6	3777246.1	462.5	3.70	1.67	2.89 YES
L0040627	0	0.63390E-07	461420.6	3777242.5	462.4	3.70	1.67	2.89 YES
L0040628	0	0.63390E-07	461420.6	3777238.9	462.4	3.70	1.67	2.89 YES
L0040629	0	0.63390E-07	461420.6	3777235.3	462.3	3.70	1.67	2.89 YES
L0040630	0	0.63390E-07	461420.6	3777231.7	462.2	3.70	1.67	2.89 YES
L0040631	0	0.63390E-07	461420.6	3777228.1	462.1	3.70	1.67	2.89 YES
L0040632	0	0.63390E-07	461420.5	3777224.5	462.1	3.70	1.67	2.89 YES
L0040633	0	0.63390E-07	461420.5	3777220.9	462.0	3.70	1.67	2.89 YES
L0040634	0	0.63390E-07	461420.4	3777217.3	461.9	3.70	1.67	2.89 YES
L0040635	0	0.63390E-07	461420.4	3777213.7	461.8	3.70	1.67	2.89 YES
L0040636	0	0.63390E-07	461420.3	3777210.1	461.7	3.70	1.67	2.89 YES
L0040637	0	0.63390E-07	461420.3	3777206.5	461.7	3.70	1.67	2.89 YES

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 L0040638         0   0.63390E-07  461420.3 3777202.9   461.6     3.70     1.67
2.89     YES
 L0040639         0   0.63390E-07  461420.2 3777199.3   461.5     3.70     1.67
2.89     YES
 L0040640         0   0.63390E-07  461420.2 3777195.7   461.4     3.70     1.67
2.89     YES
 L0040641         0   0.63390E-07  461420.1 3777192.1   461.3     3.70     1.67
2.89     YES
 L0040642         0   0.63390E-07  461420.1 3777188.5   461.3     3.70     1.67
2.89     YES
 L0040643         0   0.63390E-07  461420.0 3777184.9   461.2     3.70     1.67
2.89     YES
 L0040644         0   0.63390E-07  461420.0 3777181.3   461.1     3.70     1.67
2.89     YES
 L0040645         0   0.63390E-07  461419.9 3777177.7   461.0     3.70     1.67
2.89     YES
 L0040646         0   0.63390E-07  461419.9 3777174.1   460.9     3.70     1.67
2.89     YES
 L0040647         0   0.63390E-07  461419.8 3777170.5   460.9     3.70     1.67
2.89     YES
 L0040648         0   0.63390E-07  461419.8 3777166.9   460.8     3.70     1.67
2.89     YES
 L0040649         0   0.63390E-07  461419.8 3777163.3   460.7     3.70     1.67
2.89     YES
 L0040650         0   0.63390E-07  461419.7 3777159.7   460.6     3.70     1.67
2.89     YES
 L0040651         0   0.63390E-07  461419.7 3777156.1   460.5     3.70     1.67
2.89     YES
 L0040652         0   0.63390E-07  461419.6 3777152.5   460.4     3.70     1.67
2.89     YES
 L0040653         0   0.63390E-07  461419.6 3777148.9   460.4     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
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L0040654	0	0.63390E-07	461419.5	3777145.3	460.3	3.70	1.67	2.89 YES
L0040655	0	0.63390E-07	461419.5	3777141.7	460.2	3.70	1.67	2.89 YES
L0040656	0	0.63390E-07	461419.4	3777138.1	460.1	3.70	1.67	2.89 YES
L0040657	0	0.63390E-07	461419.4	3777134.5	460.0	3.70	1.67	2.89 YES
L0040658	0	0.63390E-07	461419.3	3777130.9	459.9	3.70	1.67	2.89 YES
L0040659	0	0.63390E-07	461419.3	3777127.3	459.9	3.70	1.67	2.89 YES
L0040660	0	0.63390E-07	461419.3	3777123.7	459.8	3.70	1.67	2.89 YES
L0040661	0	0.63390E-07	461419.2	3777120.1	459.7	3.70	1.67	2.89 YES
L0040662	0	0.63390E-07	461419.2	3777116.5	459.6	3.70	1.67	2.89 YES
L0040663	0	0.63390E-07	461419.1	3777112.9	459.6	3.70	1.67	2.89 YES
L0040664	0	0.63390E-07	461419.1	3777109.3	459.5	3.70	1.67	2.89 YES
L0040665	0	0.63390E-07	461419.0	3777105.7	459.4	3.70	1.67	2.89 YES
L0040666	0	0.63390E-07	461419.0	3777102.1	459.4	3.70	1.67	2.89 YES
L0040667	0	0.63390E-07	461418.9	3777098.5	459.3	3.70	1.67	2.89 YES
L0040668	0	0.63390E-07	461418.9	3777094.9	459.2	3.70	1.67	2.89 YES
L0040669	0	0.63390E-07	461418.9	3777091.3	459.1	3.70	1.67	2.89 YES
L0040670	0	0.63390E-07	461418.9	3777087.7	459.0	3.70	1.67	2.89 YES
L0040671	0	0.63390E-07	461419.0	3777084.1	458.9	3.70	1.67	2.89 YES
L0040672	0	0.63390E-07	461419.0	3777080.5	458.8	3.70	1.67	2.89 YES
L0040673	0	0.63390E-07	461419.1	3777076.9	458.7	3.70	1.67	2.89 YES
L0040674	0	0.63390E-07	461419.1	3777073.3	458.6	3.70	1.67	2.89 YES
L0040675	0	0.63390E-07	461419.2	3777069.7	458.5	3.70	1.67	2.89 YES
L0040676	0	0.63390E-07	461419.2	3777066.1	458.4	3.70	1.67	2.89 YES
L0040677	0	0.63390E-07	461419.3	3777062.5	458.3	3.70	1.67	2.89 YES

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 L0040678         0   0.63390E-07  461419.3 3777058.9   458.2     3.70     1.67
2.89     YES
 L0040679         0   0.63390E-07  461419.4 3777055.3   458.1     3.70     1.67
2.89     YES
 L0040680         0   0.63390E-07  461419.4 3777051.7   458.0     3.70     1.67
2.89     YES
 L0040681         0   0.63390E-07  461419.4 3777048.1   457.9     3.70     1.67
2.89     YES
 L0040682         0   0.63390E-07  461419.5 3777044.5   457.9     3.70     1.67
2.89     YES
 L0040683         0   0.63390E-07  461419.5 3777040.9   457.8     3.70     1.67
2.89     YES
 L0040684         0   0.63390E-07  461419.6 3777037.3   457.7     3.70     1.67
2.89     YES
 L0040685         0   0.63390E-07  461419.7 3777033.7   457.6     3.70     1.67
2.89     YES
 L0040686         0   0.63390E-07  461419.8 3777030.1   457.5     3.70     1.67
2.89     YES
 L0040687         0   0.63390E-07  461419.9 3777026.5   457.4     3.70     1.67
2.89     YES
 L0040688         0   0.63390E-07  461420.1 3777022.9   457.4     3.70     1.67
2.89     YES
 L0040689         0   0.63390E-07  461420.2 3777019.3   457.3     3.70     1.67
2.89     YES
 L0040690         0   0.63390E-07  461420.3 3777015.7   457.2     3.70     1.67
2.89     YES
 L0040691         0   0.63390E-07  461420.4 3777012.1   457.2     3.70     1.67
2.89     YES
 L0040692         0   0.63390E-07  461420.5 3777008.5   457.1     3.70     1.67
2.89     YES
 L0040693         0   0.63390E-07  461420.6 3777004.9   457.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040694	0	0.63390E-07	461420.7	3777001.3	456.9	3.70	1.67	2.89 YES
L0040695	0	0.63390E-07	461420.8	3776997.7	456.9	3.70	1.67	2.89 YES
L0040696	0	0.63390E-07	461420.8	3776994.1	456.8	3.70	1.67	2.89 YES
L0040697	0	0.63390E-07	461420.7	3776990.5	456.7	3.70	1.67	2.89 YES
L0040698	0	0.63390E-07	461420.7	3776986.9	456.6	3.70	1.67	2.89 YES
L0040699	0	0.63390E-07	461420.7	3776983.3	456.6	3.70	1.67	2.89 YES
L0040700	0	0.63390E-07	461420.7	3776979.7	456.5	3.70	1.67	2.89 YES
L0040701	0	0.63390E-07	461420.7	3776976.1	456.4	3.70	1.67	2.89 YES
L0040702	0	0.63390E-07	461420.7	3776972.5	456.3	3.70	1.67	2.89 YES
L0040703	0	0.63390E-07	461420.7	3776968.9	456.3	3.70	1.67	2.89 YES
L0040704	0	0.63390E-07	461420.7	3776965.3	456.2	3.70	1.67	2.89 YES
L0040705	0	0.63390E-07	461420.7	3776961.7	456.1	3.70	1.67	2.89 YES
L0040706	0	0.63390E-07	461420.7	3776958.1	456.0	3.70	1.67	2.89 YES
L0040707	0	0.63390E-07	461420.7	3776954.5	455.9	3.70	1.67	2.89 YES
L0040708	0	0.63390E-07	461420.6	3776950.9	455.9	3.70	1.67	2.89 YES
L0040709	0	0.63390E-07	461420.6	3776947.3	455.8	3.70	1.67	2.89 YES
L0040710	0	0.63390E-07	461420.6	3776943.7	455.7	3.70	1.67	2.89 YES
L0040711	0	0.63390E-07	461420.6	3776940.1	455.7	3.70	1.67	2.89 YES
L0040712	0	0.63390E-07	461420.6	3776936.5	455.6	3.70	1.67	2.89 YES
L0040713	0	0.63390E-07	461420.6	3776932.9	455.5	3.70	1.67	2.89 YES
L0040714	0	0.63390E-07	461420.6	3776929.3	455.4	3.70	1.67	2.89 YES
L0040715	0	0.63390E-07	461420.6	3776925.7	455.4	3.70	1.67	2.89 YES
L0040716	0	0.63390E-07	461420.6	3776922.1	455.3	3.70	1.67	2.89 YES
L0040717	0	0.63390E-07	461420.6	3776918.5	455.2	3.70	1.67	2.89 YES

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 L0040718         0   0.63390E-07  461420.6 3776914.9   455.1     3.70     1.67
2.89     YES
 L0040719         0   0.63390E-07  461420.6 3776911.3   455.1     3.70     1.67
2.89     YES
 L0040720         0   0.63390E-07  461420.5 3776907.7   455.0     3.70     1.67
2.89     YES
 L0040721         0   0.63390E-07  461420.5 3776904.1   454.9     3.70     1.67
2.89     YES
 L0040722         0   0.63390E-07  461420.5 3776900.5   454.9     3.70     1.67
2.89     YES
 L0040723         0   0.63390E-07  461420.5 3776896.9   454.8     3.70     1.67
2.89     YES
 L0040724         0   0.63390E-07  461420.5 3776893.3   454.7     3.70     1.67
2.89     YES
 L0040725         0   0.63390E-07  461420.5 3776889.7   454.7     3.70     1.67
2.89     YES
 L0040726         0   0.63390E-07  461420.5 3776886.1   454.6     3.70     1.67
2.89     YES
 L0040727         0   0.63390E-07  461420.5 3776882.5   454.5     3.70     1.67
2.89     YES
 L0040728         0   0.63390E-07  461420.5 3776878.9   454.5     3.70     1.67
2.89     YES
 L0040729         0   0.63390E-07  461420.5 3776875.3   454.4     3.70     1.67
2.89     YES
 L0040730         0   0.63390E-07  461420.5 3776871.7   454.3     3.70     1.67
2.89     YES
 L0040731         0   0.63390E-07  461420.5 3776868.1   454.3     3.70     1.67
2.89     YES
 L0040732         0   0.63390E-07  461420.4 3776864.5   454.2     3.70     1.67
2.89     YES
 L0040733         0   0.63390E-07  461420.4 3776860.9   454.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040734	0	0.63390E-07	461420.4	3776857.3	454.1	3.70	1.67	2.89 YES
L0040735	0	0.63390E-07	461420.4	3776853.7	454.0	3.70	1.67	2.89 YES
L0040736	0	0.63390E-07	461420.4	3776850.1	453.9	3.70	1.67	2.89 YES
L0040737	0	0.63390E-07	461420.4	3776846.5	453.9	3.70	1.67	2.89 YES
L0040738	0	0.63390E-07	461420.4	3776842.9	453.8	3.70	1.67	2.89 YES
L0040739	0	0.63390E-07	461420.4	3776839.3	453.8	3.70	1.67	2.89 YES
L0040740	0	0.63390E-07	461420.4	3776835.7	453.7	3.70	1.67	2.89 YES
L0040741	0	0.63390E-07	461420.4	3776832.1	453.6	3.70	1.67	2.89 YES
L0040742	0	0.63390E-07	461420.4	3776828.5	453.6	3.70	1.67	2.89 YES
L0040743	0	0.63390E-07	461420.4	3776824.9	453.5	3.70	1.67	2.89 YES
L0040744	0	0.63390E-07	461420.3	3776821.3	453.4	3.70	1.67	2.89 YES
L0040745	0	0.63390E-07	461420.3	3776817.7	453.4	3.70	1.67	2.89 YES
L0040746	0	0.63390E-07	461420.3	3776814.1	453.3	3.70	1.67	2.89 YES
L0040747	0	0.63390E-07	461420.3	3776810.5	453.2	3.70	1.67	2.89 YES
L0040748	0	0.63390E-07	461420.3	3776806.9	453.2	3.70	1.67	2.89 YES
L0040749	0	0.63390E-07	461420.3	3776803.3	453.1	3.70	1.67	2.89 YES
L0040750	0	0.63390E-07	461420.3	3776799.7	453.0	3.70	1.67	2.89 YES
L0040751	0	0.63390E-07	461420.3	3776796.1	453.0	3.70	1.67	2.89 YES
L0040752	0	0.63390E-07	461420.2	3776792.5	452.9	3.70	1.67	2.89 YES
L0040753	0	0.63390E-07	461420.2	3776788.9	452.8	3.70	1.67	2.89 YES
L0040754	0	0.63390E-07	461420.2	3776785.3	452.8	3.70	1.67	2.89 YES
L0040755	0	0.63390E-07	461420.2	3776781.7	452.7	3.70	1.67	2.89 YES
L0040756	0	0.63390E-07	461420.1	3776778.1	452.6	3.70	1.67	2.89 YES
L0040757	0	0.63390E-07	461420.1	3776774.5	452.6	3.70	1.67	2.89 YES

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 L0040758         0   0.63390E-07  461420.1 3776770.9   452.5     3.70     1.67
2.89     YES
 L0040759         0   0.63390E-07  461420.0 3776767.3   452.4     3.70     1.67
2.89     YES
 L0040760         0   0.63390E-07  461420.0 3776763.8   452.3     3.70     1.67
2.89     YES
 L0040761         0   0.63390E-07  461420.0 3776760.1   452.3     3.70     1.67
2.89     YES
 L0040762         0   0.63390E-07  461420.0 3776756.5   452.2     3.70     1.67
2.89     YES
 L0040763         0   0.63390E-07  461419.9 3776752.9   452.1     3.70     1.67
2.89     YES
 L0040764         0   0.63390E-07  461419.9 3776749.3   452.1     3.70     1.67
2.89     YES
 L0040765         0   0.63390E-07  461419.9 3776745.8   452.0     3.70     1.67
2.89     YES
 L0040766         0   0.63390E-07  461419.9 3776742.1   451.9     3.70     1.67
2.89     YES
 L0040767         0   0.63390E-07  461419.8 3776738.6   451.9     3.70     1.67
2.89     YES
 L0040768         0   0.63390E-07  461419.8 3776735.0   451.8     3.70     1.67
2.89     YES
 L0040769         0   0.63390E-07  461419.8 3776731.4   451.7     3.70     1.67
2.89     YES
 L0040770         0   0.63390E-07  461419.7 3776727.8   451.7     3.70     1.67
2.89     YES
 L0040771         0   0.63390E-07  461419.7 3776724.2   451.6     3.70     1.67
2.89     YES
 L0040772         0   0.63390E-07  461419.7 3776720.6   451.5     3.70     1.67
2.89     YES
 L0040773         0   0.63390E-07  461419.7 3776717.0   451.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040774	0	0.63390E-07	461419.6	3776713.4	451.3	3.70	1.67	2.89	YES
L0040775	0	0.63390E-07	461419.6	3776709.8	451.2	3.70	1.67	2.89	YES
L0040776	0	0.63390E-07	461419.6	3776706.2	451.1	3.70	1.67	2.89	YES
L0040777	0	0.63390E-07	461419.5	3776702.6	451.1	3.70	1.67	2.89	YES
L0040778	0	0.63390E-07	461419.5	3776699.0	451.0	3.70	1.67	2.89	YES
L0040779	0	0.63390E-07	461419.5	3776695.4	450.9	3.70	1.67	2.89	YES
L0040780	0	0.63390E-07	461419.5	3776691.8	450.8	3.70	1.67	2.89	YES
L0040781	0	0.63390E-07	461419.4	3776688.2	450.6	3.70	1.67	2.89	YES
L0040782	0	0.63390E-07	461419.4	3776684.6	450.5	3.70	1.67	2.89	YES
L0040783	0	0.63390E-07	461419.4	3776681.0	450.4	3.70	1.67	2.89	YES
L0040784	0	0.63390E-07	461419.3	3776677.4	450.3	3.70	1.67	2.89	YES
L0040785	0	0.63390E-07	461419.3	3776673.8	450.2	3.70	1.67	2.89	YES
L0040786	0	0.63390E-07	461419.3	3776670.2	450.0	3.70	1.67	2.89	YES
L0040787	0	0.63390E-07	461419.3	3776666.6	449.9	3.70	1.67	2.89	YES
L0040788	0	0.63390E-07	461419.2	3776663.0	449.8	3.70	1.67	2.89	YES
L0040789	0	0.63390E-07	461419.2	3776659.4	449.7	3.70	1.67	2.89	YES
L0040790	0	0.63390E-07	461419.2	3776655.8	449.6	3.70	1.67	2.89	YES
L0040791	0	0.63390E-07	461419.1	3776652.2	449.5	3.70	1.67	2.89	YES
L0040792	0	0.63390E-07	461419.1	3776648.6	449.4	3.70	1.67	2.89	YES
L0040793	0	0.63390E-07	461419.1	3776645.0	449.4	3.70	1.67	2.89	YES
L0040794	0	0.63390E-07	461419.1	3776641.4	449.3	3.70	1.67	2.89	YES
L0040795	0	0.63390E-07	461419.0	3776637.8	449.2	3.70	1.67	2.89	YES
L0040796	0	0.63390E-07	461419.0	3776634.2	449.1	3.70	1.67	2.89	YES
L0040797	0	0.63390E-07	461419.0	3776630.6	449.0	3.70	1.67	2.89	YES

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 L0040798         0   0.63390E-07  461419.0 3776627.0   448.9     3.70     1.67
2.89     YES
 L0040799         0   0.63390E-07  461418.9 3776623.4   448.9     3.70     1.67
2.89     YES
 L0040800         0   0.63390E-07  461418.9 3776619.8   448.8     3.70     1.67
2.89     YES
 L0040801         0   0.63390E-07  461418.9 3776616.2   448.7     3.70     1.67
2.89     YES
 L0040802         0   0.63390E-07  461418.8 3776612.6   448.7     3.70     1.67
2.89     YES
 L0040803         0   0.63390E-07  461418.8 3776609.0   448.6     3.70     1.67
2.89     YES
 L0040804         0   0.63390E-07  461418.8 3776605.4   448.5     3.70     1.67
2.89     YES
 L0040805         0   0.63390E-07  461418.8 3776601.8   448.5     3.70     1.67
2.89     YES
 L0040806         0   0.63390E-07  461418.7 3776598.2   448.4     3.70     1.67
2.89     YES
 L0040807         0   0.63390E-07  461418.7 3776594.6   448.4     3.70     1.67
2.89     YES
 L0040808         0   0.63390E-07  461418.7 3776591.0   448.3     3.70     1.67
2.89     YES
 L0040809         0   0.63390E-07  461418.6 3776587.4   448.2     3.70     1.67
2.89     YES
 L0040810         0   0.63390E-07  461418.6 3776583.8   448.2     3.70     1.67
2.89     YES
 L0040811         0   0.63390E-07  461418.6 3776580.2   448.1     3.70     1.67
2.89     YES
 L0040812         0   0.63390E-07  461418.6 3776576.6   448.1     3.70     1.67
2.89     YES
 L0040813         0   0.63390E-07  461418.5 3776573.0   448.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040814	0	0.63390E-07	461418.5	3776569.4	447.9	3.70	1.67	2.89 YES
L0040815	0	0.63390E-07	461418.5	3776565.8	447.9	3.70	1.67	2.89 YES
L0040816	0	0.63390E-07	461418.4	3776562.2	447.8	3.70	1.67	2.89 YES
L0040817	0	0.63390E-07	461418.4	3776558.6	447.7	3.70	1.67	2.89 YES
L0040818	0	0.63390E-07	461418.4	3776555.0	447.7	3.70	1.67	2.89 YES
L0040819	0	0.63390E-07	461418.4	3776551.4	447.6	3.70	1.67	2.89 YES
L0040820	0	0.63390E-07	461418.3	3776547.8	447.5	3.70	1.67	2.89 YES
L0040821	0	0.63390E-07	461418.3	3776544.2	447.4	3.70	1.67	2.89 YES
L0040822	0	0.63390E-07	461418.3	3776540.6	447.4	3.70	1.67	2.89 YES
L0040823	0	0.63390E-07	461418.2	3776537.0	447.3	3.70	1.67	2.89 YES
L0040824	0	0.63390E-07	461418.2	3776533.4	447.2	3.70	1.67	2.89 YES
L0040825	0	0.63390E-07	461418.2	3776529.8	447.2	3.70	1.67	2.89 YES
L0040826	0	0.63390E-07	461418.2	3776526.2	447.1	3.70	1.67	2.89 YES
L0040827	0	0.63390E-07	461418.1	3776522.6	447.0	3.70	1.67	2.89 YES
L0040828	0	0.63390E-07	461418.1	3776519.0	447.0	3.70	1.67	2.89 YES
L0040829	0	0.63390E-07	461418.1	3776515.4	446.9	3.70	1.67	2.89 YES
L0040830	0	0.63390E-07	461418.0	3776511.8	446.8	3.70	1.67	2.89 YES
L0040831	0	0.63390E-07	461418.0	3776508.2	446.8	3.70	1.67	2.89 YES
L0040832	0	0.63390E-07	461418.0	3776504.6	446.7	3.70	1.67	2.89 YES
L0040833	0	0.63390E-07	461418.0	3776501.0	446.6	3.70	1.67	2.89 YES
L0040834	0	0.63390E-07	461417.9	3776497.4	446.6	3.70	1.67	2.89 YES
L0040835	0	0.63390E-07	461417.9	3776493.8	446.5	3.70	1.67	2.89 YES
L0040836	0	0.63390E-07	461417.9	3776490.2	446.4	3.70	1.67	2.89 YES
L0040837	0	0.63390E-07	461417.8	3776486.6	446.3	3.70	1.67	2.89 YES

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 L0040838         0   0.63390E-07  461417.8 3776483.0   446.3     3.70     1.67
2.89     YES
 L0040839         0   0.63390E-07  461417.8 3776479.4   446.2     3.70     1.67
2.89     YES
 L0040840         0   0.63390E-07  461417.8 3776475.8   446.1     3.70     1.67
2.89     YES
 L0040841         0   0.63390E-07  461417.7 3776472.2   446.0     3.70     1.67
2.89     YES
 L0040842         0   0.63390E-07  461417.7 3776468.6   446.0     3.70     1.67
2.89     YES
 L0040843         0   0.63390E-07  461417.7 3776465.0   445.9     3.70     1.67
2.89     YES
 L0040844         0   0.63390E-07  461417.7 3776461.4   445.8     3.70     1.67
2.89     YES
 L0040845         0   0.63390E-07  461417.6 3776457.8   445.7     3.70     1.67
2.89     YES
 L0040846         0   0.63390E-07  461417.6 3776454.2   445.7     3.70     1.67
2.89     YES
 L0040847         0   0.63390E-07  461417.6 3776450.6   445.6     3.70     1.67
2.89     YES
 L0040848         0   0.63390E-07  461417.5 3776447.0   445.5     3.70     1.67
2.89     YES
 L0040849         0   0.63390E-07  461417.5 3776443.4   445.4     3.70     1.67
2.89     YES
 L0040850         0   0.63390E-07  461417.5 3776439.8   445.3     3.70     1.67
2.89     YES
 L0040851         0   0.63390E-07  461417.5 3776436.2   445.3     3.70     1.67
2.89     YES
 L0040852         0   0.63390E-07  461417.4 3776432.6   445.2     3.70     1.67
2.89     YES
 L0040853         0   0.63390E-07  461417.4 3776429.0   445.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040854	0	0.63390E-07	461417.4	3776425.4	445.0	3.70	1.67	2.89 YES
L0040855	0	0.63390E-07	461417.3	3776421.8	444.9	3.70	1.67	2.89 YES
L0040856	0	0.63390E-07	461417.3	3776418.2	444.9	3.70	1.67	2.89 YES
L0040857	0	0.63390E-07	461417.3	3776414.6	444.8	3.70	1.67	2.89 YES
L0040858	0	0.63390E-07	461417.3	3776411.0	444.7	3.70	1.67	2.89 YES
L0040859	0	0.63390E-07	461417.2	3776407.4	444.7	3.70	1.67	2.89 YES
L0040860	0	0.63390E-07	461417.2	3776403.8	444.6	3.70	1.67	2.89 YES
L0040861	0	0.63390E-07	461417.2	3776400.2	444.5	3.70	1.67	2.89 YES
L0040862	0	0.63390E-07	461417.1	3776396.6	444.4	3.70	1.67	2.89 YES
L0040863	0	0.63390E-07	461417.1	3776393.0	444.4	3.70	1.67	2.89 YES
L0040864	0	0.63390E-07	461417.1	3776389.4	444.3	3.70	1.67	2.89 YES
L0040865	0	0.63390E-07	461417.1	3776385.8	444.2	3.70	1.67	2.89 YES
L0040866	0	0.63390E-07	461417.0	3776382.2	444.2	3.70	1.67	2.89 YES
L0040867	0	0.63390E-07	461417.0	3776378.6	444.1	3.70	1.67	2.89 YES
L0040868	0	0.63390E-07	461417.0	3776375.0	444.0	3.70	1.67	2.89 YES
L0040869	0	0.63390E-07	461416.9	3776371.4	444.0	3.70	1.67	2.89 YES
L0040870	0	0.63390E-07	461416.9	3776367.8	443.9	3.70	1.67	2.89 YES
L0040871	0	0.63390E-07	461416.9	3776364.2	443.8	3.70	1.67	2.89 YES
L0040872	0	0.63390E-07	461416.9	3776360.6	443.8	3.70	1.67	2.89 YES
L0040873	0	0.63390E-07	461416.8	3776357.0	443.7	3.70	1.67	2.89 YES
L0040874	0	0.63390E-07	461416.8	3776353.4	443.6	3.70	1.67	2.89 YES
L0040875	0	0.63390E-07	461416.8	3776349.8	443.5	3.70	1.67	2.89 YES
L0040876	0	0.63390E-07	461416.8	3776346.2	443.5	3.70	1.67	2.89 YES
L0040877	0	0.63390E-07	461416.7	3776342.6	443.4	3.70	1.67	2.89 YES

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 L0040878         0   0.63390E-07  461416.7 3776339.0   443.3     3.70     1.67
2.89     YES
 L0040879         0   0.63390E-07  461416.7 3776335.4   443.2     3.70     1.67
2.89     YES
 L0040880         0   0.63390E-07  461416.6 3776331.8   443.2     3.70     1.67
2.89     YES
 L0040881         0   0.63390E-07  461416.6 3776328.2   443.1     3.70     1.67
2.89     YES
 L0040882         0   0.63390E-07  461416.6 3776324.6   443.0     3.70     1.67
2.89     YES
 L0040883         0   0.63390E-07  461416.6 3776321.0   442.9     3.70     1.67
2.89     YES
 L0040884         0   0.63390E-07  461416.5 3776317.4   442.9     3.70     1.67
2.89     YES
 L0040885         0   0.63390E-07  461416.5 3776313.8   442.8     3.70     1.67
2.89     YES
 L0040886         0   0.63390E-07  461416.5 3776310.2   442.7     3.70     1.67
2.89     YES
 L0040887         0   0.63390E-07  461416.4 3776306.6   442.6     3.70     1.67
2.89     YES
 L0040888         0   0.63390E-07  461416.4 3776303.0   442.5     3.70     1.67
2.89     YES
 L0040889         0   0.63390E-07  461416.4 3776299.4   442.4     3.70     1.67
2.89     YES
 L0040890         0   0.63390E-07  461416.4 3776295.8   442.4     3.70     1.67
2.89     YES
 L0040891         0   0.63390E-07  461416.3 3776292.2   442.3     3.70     1.67
2.89     YES
 L0040892         0   0.63390E-07  461416.3 3776288.6   442.2     3.70     1.67
2.89     YES
 L0040893         0   0.63390E-07  461416.3 3776285.0   442.1     3.70     1.67
2.89     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0040894	0	0.63390E-07	461416.2	3776281.4	442.0	3.70	1.67	2.89 YES
L0040895	0	0.63390E-07	461416.2	3776277.8	441.9	3.70	1.67	2.89 YES
L0040896	0	0.63390E-07	461416.2	3776274.2	441.8	3.70	1.67	2.89 YES
L0040897	0	0.63390E-07	461416.2	3776270.6	441.7	3.70	1.67	2.89 YES
L0040898	0	0.63390E-07	461416.1	3776267.0	441.6	3.70	1.67	2.89 YES
L0040899	0	0.63390E-07	461416.1	3776263.4	441.5	3.70	1.67	2.89 YES
L0040900	0	0.63390E-07	461416.1	3776259.8	441.5	3.70	1.67	2.89 YES
L0040901	0	0.63390E-07	461416.0	3776256.2	441.4	3.70	1.67	2.89 YES
L0040902	0	0.63390E-07	461416.0	3776252.6	441.3	3.70	1.67	2.89 YES
L0040903	0	0.63390E-07	461416.0	3776249.0	441.2	3.70	1.67	2.89 YES
L0040904	0	0.63390E-07	461416.0	3776245.4	441.1	3.70	1.67	2.89 YES
L0040905	0	0.63390E-07	461415.9	3776241.8	441.1	3.70	1.67	2.89 YES
L0040906	0	0.63390E-07	461415.9	3776238.2	441.0	3.70	1.67	2.89 YES
L0040907	0	0.63390E-07	461415.9	3776234.6	440.9	3.70	1.67	2.89 YES
L0040908	0	0.63390E-07	461415.8	3776231.0	440.8	3.70	1.67	2.89 YES
L0040909	0	0.63390E-07	461415.8	3776227.4	440.7	3.70	1.67	2.89 YES
L0040910	0	0.63390E-07	461415.8	3776223.8	440.6	3.70	1.67	2.89 YES
L0040911	0	0.63390E-07	461415.8	3776220.2	440.6	3.70	1.67	2.89 YES
L0040912	0	0.63390E-07	461415.7	3776216.6	440.5	3.70	1.67	2.89 YES
L0040913	0	0.63390E-07	461415.7	3776213.0	440.4	3.70	1.67	2.89 YES
L0040914	0	0.63390E-07	461415.7	3776209.4	440.3	3.70	1.67	2.89 YES
L0040915	0	0.63390E-07	461415.7	3776205.8	440.2	3.70	1.67	2.89 YES
L0040916	0	0.63390E-07	461415.6	3776202.2	440.1	3.70	1.67	2.89 YES
L0040917	0	0.63390E-07	461415.6	3776198.6	440.0	3.70	1.67	2.89 YES

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 L0040918         0   0.63390E-07  461415.6 3776195.0   440.0     3.70     1.67
2.89     YES
 L0040919         0   0.63390E-07  461415.5 3776191.4   439.9     3.70     1.67
2.89     YES
 L0040920         0   0.63390E-07  461415.5 3776187.8   439.8     3.70     1.67
2.89     YES
 L0040921         0   0.63390E-07  461415.5 3776184.2   439.7     3.70     1.67
2.89     YES
 L0040922         0   0.63390E-07  461415.5 3776180.6   439.6     3.70     1.67
2.89     YES
 L0040923         0   0.63390E-07  461415.4 3776177.0   439.5     3.70     1.67
2.89     YES
 L0040924         0   0.63390E-07  461415.4 3776173.4   439.4     3.70     1.67
2.89     YES
 L0040925         0   0.63390E-07  461415.4 3776169.8   439.4     3.70     1.67
2.89     YES
 L0040926         0   0.63390E-07  461415.3 3776166.2   439.3     3.70     1.67
2.89     YES
 L0040927         0   0.63390E-07  461415.3 3776162.6   439.2     3.70     1.67
2.89     YES
 L0040928         0   0.63390E-07  461415.3 3776159.0   439.1     3.70     1.67
2.89     YES
 L0040929         0   0.63390E-07  461415.3 3776155.4   439.1     3.70     1.67
2.89     YES
 L0040930         0   0.63390E-07  461415.2 3776151.8   439.0     3.70     1.67
2.89     YES
 L0040931         0   0.63390E-07  461415.2 3776148.2   438.9     3.70     1.67
2.89     YES
 L0040932         0   0.63390E-07  461415.2 3776144.6   438.8     3.70     1.67
2.89     YES
 L0040933         0   0.63390E-07  461415.1 3776141.0   438.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0040934	0	0.63390E-07	461415.1	3776137.4	438.7	3.70	1.67	2.89 YES
L0040935	0	0.63390E-07	461415.1	3776133.8	438.6	3.70	1.67	2.89 YES
L0040936	0	0.63390E-07	461415.1	3776130.2	438.5	3.70	1.67	2.89 YES
L0040937	0	0.63390E-07	461415.0	3776126.6	438.4	3.70	1.67	2.89 YES
L0040938	0	0.63390E-07	461415.0	3776123.0	438.4	3.70	1.67	2.89 YES
L0040939	0	0.63390E-07	461415.0	3776119.4	438.3	3.70	1.67	2.89 YES
L0040940	0	0.63390E-07	461414.9	3776115.8	438.2	3.70	1.67	2.89 YES
L0040941	0	0.63390E-07	461414.9	3776112.2	438.1	3.70	1.67	2.89 YES
L0040942	0	0.63390E-07	461414.9	3776108.6	438.1	3.70	1.67	2.89 YES
L0040943	0	0.63390E-07	461414.9	3776105.0	438.0	3.70	1.67	2.89 YES
L0040944	0	0.63390E-07	461414.8	3776101.4	437.9	3.70	1.67	2.89 YES
L0040945	0	0.63390E-07	461414.8	3776097.8	437.8	3.70	1.67	2.89 YES
L0040946	0	0.63390E-07	461414.8	3776094.2	437.8	3.70	1.67	2.89 YES
L0040947	0	0.63390E-07	461414.7	3776090.6	437.7	3.70	1.67	2.89 YES
L0040948	0	0.63390E-07	461414.7	3776087.0	437.6	3.70	1.67	2.89 YES
L0040949	0	0.63390E-07	461414.7	3776083.4	437.6	3.70	1.67	2.89 YES
L0040950	0	0.63390E-07	461414.7	3776079.8	437.5	3.70	1.67	2.89 YES
L0040951	0	0.63390E-07	461414.6	3776076.2	437.4	3.70	1.67	2.89 YES
L0040952	0	0.63390E-07	461414.6	3776072.6	437.3	3.70	1.67	2.89 YES
L0040953	0	0.63390E-07	461414.6	3776069.0	437.2	3.70	1.67	2.89 YES
L0040954	0	0.63390E-07	461414.6	3776065.4	437.1	3.70	1.67	2.89 YES
L0040955	0	0.63390E-07	461414.5	3776061.8	437.0	3.70	1.67	2.89 YES
L0040956	0	0.63390E-07	461414.5	3776058.2	436.9	3.70	1.67	2.89 YES
L0040957	0	0.63390E-07	461414.5	3776054.6	436.9	3.70	1.67	2.89 YES

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 L0040958         0   0.63390E-07  461414.4 3776051.0   436.8     3.70     1.67
2.89     YES
 L0040959         0   0.63390E-07  461414.4 3776047.4   436.7     3.70     1.67
2.89     YES
 L0040960         0   0.63390E-07  461414.4 3776043.8   436.6     3.70     1.67
2.89     YES
 L0040961         0   0.63390E-07  461414.4 3776040.2   436.6     3.70     1.67
2.89     YES
 L0040962         0   0.63390E-07  461414.3 3776036.6   436.5     3.70     1.67
2.89     YES
 L0040963         0   0.63390E-07  461414.3 3776033.0   436.4     3.70     1.67
2.89     YES
 L0040964         0   0.63390E-07  461414.3 3776029.4   436.4     3.70     1.67
2.89     YES
 L0040965         0   0.63390E-07  461414.2 3776025.8   436.3     3.70     1.67
2.89     YES
 L0040966         0   0.63390E-07  461414.2 3776022.2   436.2     3.70     1.67
2.89     YES
 L0040967         0   0.63390E-07  461414.2 3776018.6   436.2     3.70     1.67
2.89     YES
 L0040968         0   0.63390E-07  461414.2 3776015.0   436.1     3.70     1.67
2.89     YES
 L0040969         0   0.63390E-07  461414.1 3776011.4   436.1     3.70     1.67
2.89     YES
 L0040970         0   0.63390E-07  461414.1 3776007.8   436.0     3.70     1.67
2.89     YES
 L0040971         0   0.63390E-07  461414.1 3776004.2   436.0     3.70     1.67
2.89     YES
 L0040972         0   0.63390E-07  461414.0 3776000.6   435.9     3.70     1.67
2.89     YES
 L0040973         0   0.63390E-07  461414.0 3775997.0   435.9     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0040958	0	0.63390E-07	461414.4	3776051.0	436.8	3.70	1.67	2.89	YES	
L0040959	0	0.63390E-07	461414.4	3776047.4	436.7	3.70	1.67	2.89	YES	
L0040960	0	0.63390E-07	461414.4	3776043.8	436.6	3.70	1.67	2.89	YES	
L0040961	0	0.63390E-07	461414.4	3776040.2	436.6	3.70	1.67	2.89	YES	
L0040962	0	0.63390E-07	461414.3	3776036.6	436.5	3.70	1.67	2.89	YES	
L0040963	0	0.63390E-07	461414.3	3776033.0	436.4	3.70	1.67	2.89	YES	
L0040964	0	0.63390E-07	461414.3	3776029.4	436.4	3.70	1.67	2.89	YES	
L0040965	0	0.63390E-07	461414.2	3776025.8	436.3	3.70	1.67	2.89	YES	
L0040966	0	0.63390E-07	461414.2	3776022.2	436.2	3.70	1.67	2.89	YES	
L0040967	0	0.63390E-07	461414.2	3776018.6	436.2	3.70	1.67	2.89	YES	
L0040968	0	0.63390E-07	461414.2	3776015.0	436.1	3.70	1.67	2.89	YES	
L0040969	0	0.63390E-07	461414.1	3776011.4	436.1	3.70	1.67	2.89	YES	
L0040970	0	0.63390E-07	461414.1	3776007.8	436.0	3.70	1.67	2.89	YES	
L0040971	0	0.63390E-07	461414.1	3776004.2	436.0	3.70	1.67	2.89	YES	
L0040972	0	0.63390E-07	461414.0	3776000.6	435.9	3.70	1.67	2.89	YES	
L0040973	0	0.63390E-07	461414.0	3775997.0	435.9	3.70	1.67	2.89	YES	

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L0040974	0	0.63390E-07	461413.9	3775993.4	435.8	3.70	1.67	2.89 YES
L0040975	0	0.63390E-07	461413.9	3775989.8	435.7	3.70	1.67	2.89 YES
L0040976	0	0.63390E-07	461413.9	3775986.2	435.7	3.70	1.67	2.89 YES
L0040977	0	0.63390E-07	461413.8	3775982.6	435.6	3.70	1.67	2.89 YES
L0040978	0	0.63390E-07	461413.8	3775979.0	435.6	3.70	1.67	2.89 YES
L0040979	0	0.63390E-07	461413.7	3775975.4	435.5	3.70	1.67	2.89 YES
L0040980	0	0.63390E-07	461413.7	3775971.8	435.5	3.70	1.67	2.89 YES
L0040981	0	0.63390E-07	461413.7	3775968.2	435.4	3.70	1.67	2.89 YES
L0040982	0	0.63390E-07	461413.6	3775964.6	435.4	3.70	1.67	2.89 YES
L0040983	0	0.63390E-07	461413.6	3775961.0	435.3	3.70	1.67	2.89 YES
L0040984	0	0.63390E-07	461413.6	3775957.4	435.2	3.70	1.67	2.89 YES
L0040985	0	0.63390E-07	461413.5	3775953.8	435.2	3.70	1.67	2.89 YES
L0040986	0	0.63390E-07	461413.5	3775950.2	435.1	3.70	1.67	2.89 YES
L0040987	0	0.63390E-07	461413.4	3775946.6	435.1	3.70	1.67	2.89 YES
L0040988	0	0.63390E-07	461413.4	3775943.0	435.0	3.70	1.67	2.89 YES
L0040989	0	0.63390E-07	461413.4	3775939.4	434.9	3.70	1.67	2.89 YES
L0040990	0	0.63390E-07	461413.3	3775935.8	434.9	3.70	1.67	2.89 YES
L0040991	0	0.63390E-07	461413.3	3775932.2	434.8	3.70	1.67	2.89 YES
L0040992	0	0.63390E-07	461413.2	3775928.6	434.8	3.70	1.67	2.89 YES
L0040993	0	0.63390E-07	461413.2	3775925.0	434.7	3.70	1.67	2.89 YES
L0040994	0	0.63390E-07	461413.2	3775921.4	434.6	3.70	1.67	2.89 YES
L0040995	0	0.63390E-07	461413.1	3775917.8	434.6	3.70	1.67	2.89 YES
L0040996	0	0.63390E-07	461413.1	3775914.2	434.5	3.70	1.67	2.89 YES
L0040997	0	0.63390E-07	461413.0	3775910.6	434.4	3.70	1.67	2.89 YES

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 L0040998         0   0.63390E-07  461413.0 3775907.0   434.4     3.70     1.67
2.89     YES
 L0040999         0   0.63390E-07  461413.0 3775903.4   434.3     3.70     1.67
2.89     YES
 L0041000         0   0.63390E-07  461412.9 3775899.8   434.3     3.70     1.67
2.89     YES
 L0041001         0   0.63390E-07  461412.9 3775896.2   434.2     3.70     1.67
2.89     YES
 L0041002         0   0.63390E-07  461412.9 3775892.6   434.2     3.70     1.67
2.89     YES
 L0041003         0   0.63390E-07  461412.8 3775889.0   434.1     3.70     1.67
2.89     YES
 L0041004         0   0.63390E-07  461412.8 3775885.4   434.0     3.70     1.67
2.89     YES
 L0041005         0   0.63390E-07  461412.7 3775881.8   434.0     3.70     1.67
2.89     YES
 L0041006         0   0.63390E-07  461412.7 3775878.2   433.9     3.70     1.67
2.89     YES
 L0041007         0   0.63390E-07  461412.7 3775874.6   433.9     3.70     1.67
2.89     YES
 L0041008         0   0.63390E-07  461412.6 3775871.0   433.8     3.70     1.67
2.89     YES
 L0041009         0   0.63390E-07  461412.6 3775867.4   433.8     3.70     1.67
2.89     YES
 L0041010         0   0.63390E-07  461412.5 3775863.8   433.7     3.70     1.67
2.89     YES
 L0041011         0   0.63390E-07  461412.5 3775860.2   433.6     3.70     1.67
2.89     YES
 L0041012         0   0.63390E-07  461412.5 3775856.6   433.6     3.70     1.67
2.89     YES
 L0041013         0   0.63390E-07  461412.4 3775853.0   433.5     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0041014	0	0.63390E-07	461412.4	3775849.4	433.4	3.70	1.67	2.89 YES
L0041015	0	0.63390E-07	461412.3	3775845.8	433.4	3.70	1.67	2.89 YES
L0041016	0	0.63390E-07	461412.3	3775842.2	433.3	3.70	1.67	2.89 YES
L0041017	0	0.63390E-07	461412.3	3775838.6	433.2	3.70	1.67	2.89 YES
L0041018	0	0.63390E-07	461412.2	3775835.0	433.2	3.70	1.67	2.89 YES
L0041019	0	0.63390E-07	461412.2	3775831.4	433.1	3.70	1.67	2.89 YES
L0041020	0	0.63390E-07	461412.2	3775827.8	433.0	3.70	1.67	2.89 YES
L0041021	0	0.63390E-07	461412.3	3775824.2	432.9	3.70	1.67	2.89 YES
L0041022	0	0.63390E-07	461412.6	3775820.6	432.8	3.70	1.67	2.89 YES
L0041023	0	0.63390E-07	461413.0	3775817.0	432.7	3.70	1.67	2.89 YES
L0041024	0	0.63390E-07	461413.3	3775813.4	432.7	3.70	1.67	2.89 YES
L0041025	0	0.63390E-07	461413.7	3775809.9	432.6	3.70	1.67	2.89 YES
L0041026	0	0.63390E-07	461414.0	3775806.3	432.5	3.70	1.67	2.89 YES
L0041027	0	0.63390E-07	461414.3	3775802.7	432.4	3.70	1.67	2.89 YES
L0041028	0	0.63390E-07	461414.9	3775799.1	432.3	3.70	1.67	2.89 YES
L0041029	0	0.63390E-07	461415.6	3775795.6	432.2	3.70	1.67	2.89 YES
L0041030	0	0.63390E-07	461416.3	3775792.1	432.2	3.70	1.67	2.89 YES
L0041031	0	0.63390E-07	461417.0	3775788.5	432.1	3.70	1.67	2.89 YES
L0041032	0	0.63390E-07	461417.7	3775785.0	432.0	3.70	1.67	2.89 YES
L0041033	0	0.63390E-07	461418.4	3775781.5	431.9	3.70	1.67	2.89 YES
L0041034	0	0.63390E-07	461419.2	3775778.0	431.9	3.70	1.67	2.89 YES
L0041035	0	0.63390E-07	461419.9	3775774.4	431.8	3.70	1.67	2.89 YES
L0041036	0	0.63390E-07	461420.6	3775770.9	431.7	3.70	1.67	2.89 YES
L0041037	0	0.63390E-07	461421.0	3775767.3	431.7	3.70	1.67	2.89 YES

```
 L0041038         0   0.63390E-07  461421.4 3775763.7   431.6     3.70     1.67
2.89     YES
 L0041039         0   0.63390E-07  461421.8 3775760.2   431.6     3.70     1.67
2.89     YES
 L0041040         0   0.63390E-07  461422.1 3775756.6   431.5     3.70     1.67
2.89     YES
 L0041041         0   0.63390E-07  461422.5 3775753.0   431.4     3.70     1.67
2.89     YES
 L0041042         0   0.63390E-07  461422.7 3775749.4   431.4     3.70     1.67
2.89     YES
 L0041043         0   0.63390E-07  461422.7 3775745.8   431.3     3.70     1.67
2.89     YES
 L0041044         0   0.63390E-07  461422.7 3775742.2   431.2     3.70     1.67
2.89     YES
 L0041045         0   0.63390E-07  461422.7 3775738.6   431.2     3.70     1.67
2.89     YES
 L0041046         0   0.63390E-07  461422.7 3775735.0   431.1     3.70     1.67
2.89     YES
 L0041047         0   0.63390E-07  461422.7 3775731.4   431.0     3.70     1.67
2.89     YES
 L0041048         0   0.63390E-07  461422.7 3775727.8   430.9     3.70     1.67
2.89     YES
 L0041049         0   0.63390E-07  461422.7 3775724.2   430.8     3.70     1.67
2.89     YES
 L0041050         0   0.63390E-07  461422.7 3775720.6   430.8     3.70     1.67
2.89     YES
 L0041051         0   0.63390E-07  461422.7 3775717.0   430.7     3.70     1.67
2.89     YES
 L0041052         0   0.63390E-07  461422.7 3775713.4   430.6     3.70     1.67
2.89     YES
 L0041053         0   0.63390E-07  461422.7 3775709.8   430.5     3.70     1.67
2.89     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0041038	0	0.63390E-07	461421.4	3775763.7	431.6	3.70	1.67	2.89	YES
L0041039	0	0.63390E-07	461421.8	3775760.2	431.6	3.70	1.67	2.89	YES
L0041040	0	0.63390E-07	461422.1	3775756.6	431.5	3.70	1.67	2.89	YES
L0041041	0	0.63390E-07	461422.5	3775753.0	431.4	3.70	1.67	2.89	YES
L0041042	0	0.63390E-07	461422.7	3775749.4	431.4	3.70	1.67	2.89	YES
L0041043	0	0.63390E-07	461422.7	3775745.8	431.3	3.70	1.67	2.89	YES
L0041044	0	0.63390E-07	461422.7	3775742.2	431.2	3.70	1.67	2.89	YES
L0041045	0	0.63390E-07	461422.7	3775738.6	431.2	3.70	1.67	2.89	YES
L0041046	0	0.63390E-07	461422.7	3775735.0	431.1	3.70	1.67	2.89	YES
L0041047	0	0.63390E-07	461422.7	3775731.4	431.0	3.70	1.67	2.89	YES
L0041048	0	0.63390E-07	461422.7	3775727.8	430.9	3.70	1.67	2.89	YES
L0041049	0	0.63390E-07	461422.7	3775724.2	430.8	3.70	1.67	2.89	YES
L0041050	0	0.63390E-07	461422.7	3775720.6	430.8	3.70	1.67	2.89	YES
L0041051	0	0.63390E-07	461422.7	3775717.0	430.7	3.70	1.67	2.89	YES
L0041052	0	0.63390E-07	461422.7	3775713.4	430.6	3.70	1.67	2.89	YES
L0041053	0	0.63390E-07	461422.7	3775709.8	430.5	3.70	1.67	2.89	YES

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L0041054	0	0.63390E-07	461422.7	3775706.2	430.4	3.70	1.67	2.89 YES
L0041055	0	0.63390E-07	461422.7	3775702.6	430.4	3.70	1.67	2.89 YES
L0041056	0	0.63390E-07	461422.7	3775699.0	430.3	3.70	1.67	2.89 YES
L0041057	0	0.63390E-07	461422.7	3775695.4	430.3	3.70	1.67	2.89 YES
L0041058	0	0.63390E-07	461422.7	3775691.8	430.2	3.70	1.67	2.89 YES
L0041059	0	0.63490E-07	461412.7	3775682.2	430.0	3.70	1.67	2.89 YES
L0041060	0	0.63490E-07	461416.3	3775682.2	430.0	3.70	1.67	2.89 YES
L0041061	0	0.63490E-07	461419.9	3775682.2	430.0	3.70	1.67	2.89 YES
L0041062	0	0.63490E-07	461423.5	3775682.2	430.0	3.70	1.67	2.89 YES
L0041063	0	0.63490E-07	461427.1	3775682.2	430.0	3.70	1.67	2.89 YES
L0041064	0	0.63490E-07	461430.7	3775682.2	430.0	3.70	1.67	2.89 YES
L0041065	0	0.63490E-07	461434.3	3775682.2	430.0	3.70	1.67	2.89 YES
L0041066	0	0.63490E-07	461437.9	3775682.3	430.0	3.70	1.67	2.89 YES
L0041067	0	0.63490E-07	461441.5	3775682.3	430.0	3.70	1.67	2.89 YES
L0041068	0	0.63490E-07	461445.1	3775682.3	430.0	3.70	1.67	2.89 YES
L0041069	0	0.63490E-07	461448.7	3775682.3	430.0	3.70	1.67	2.89 YES
L0041070	0	0.63490E-07	461452.3	3775682.3	430.0	3.70	1.67	2.89 YES
L0041071	0	0.63490E-07	461455.9	3775682.3	430.0	3.70	1.67	2.89 YES
L0041072	0	0.63490E-07	461459.5	3775682.3	430.0	3.70	1.67	2.89 YES
L0041073	0	0.63490E-07	461463.1	3775682.3	429.9	3.70	1.67	2.89 YES
L0041074	0	0.63490E-07	461466.7	3775682.3	429.9	3.70	1.67	2.89 YES
L0041075	0	0.63490E-07	461470.3	3775682.3	429.9	3.70	1.67	2.89 YES
L0041076	0	0.63490E-07	461473.9	3775682.3	429.9	3.70	1.67	2.89 YES
L0041077	0	0.63490E-07	461477.5	3775682.3	429.9	3.70	1.67	2.89 YES

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 L0041078         0   0.63490E-07  461481.1 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041079         0   0.63490E-07  461484.7 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041080         0   0.63490E-07  461488.3 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041081         0   0.63490E-07  461491.9 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041082         0   0.63490E-07  461495.5 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041083         0   0.63490E-07  461499.1 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041084         0   0.63490E-07  461502.7 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041085         0   0.63490E-07  461506.3 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041086         0   0.63490E-07  461509.9 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041087         0   0.63490E-07  461513.5 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041088         0   0.63490E-07  461517.1 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041089         0   0.63490E-07  461520.7 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041090         0   0.63490E-07  461524.3 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041091         0   0.63490E-07  461527.9 3775682.3   429.9     3.70     1.67
2.89     YES
 L0041092         0   0.63490E-07  461531.5 3775682.3   429.8     3.70     1.67
2.89     YES
 L0041093         0   0.63490E-07  461535.1 3775682.3   429.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041094	0	0.63490E-07	461538.7	3775682.3	429.8	3.70	1.67	2.89 YES
L0041095	0	0.63490E-07	461542.3	3775682.3	429.8	3.70	1.67	2.89 YES
L0041096	0	0.63490E-07	461545.9	3775682.3	429.8	3.70	1.67	2.89 YES
L0041097	0	0.63490E-07	461549.5	3775682.3	429.8	3.70	1.67	2.89 YES
L0041098	0	0.63490E-07	461553.1	3775682.4	429.8	3.70	1.67	2.89 YES
L0041099	0	0.63490E-07	461556.7	3775682.4	429.8	3.70	1.67	2.89 YES
L0041100	0	0.63490E-07	461560.3	3775682.4	429.8	3.70	1.67	2.89 YES
L0041101	0	0.63490E-07	461563.9	3775682.4	429.7	3.70	1.67	2.89 YES
L0041102	0	0.63490E-07	461567.5	3775682.4	429.7	3.70	1.67	2.89 YES
L0041103	0	0.63490E-07	461571.1	3775682.4	429.7	3.70	1.67	2.89 YES
L0041104	0	0.63490E-07	461574.7	3775682.4	429.7	3.70	1.67	2.89 YES
L0041105	0	0.63490E-07	461578.3	3775682.4	429.7	3.70	1.67	2.89 YES
L0041106	0	0.63490E-07	461581.9	3775682.4	429.7	3.70	1.67	2.89 YES
L0041107	0	0.63490E-07	461585.5	3775682.4	429.7	3.70	1.67	2.89 YES
L0041108	0	0.63490E-07	461589.1	3775682.4	429.7	3.70	1.67	2.89 YES
L0041109	0	0.63490E-07	461592.7	3775682.3	429.7	3.70	1.67	2.89 YES
L0041110	0	0.63490E-07	461596.3	3775682.3	429.7	3.70	1.67	2.89 YES
L0041111	0	0.63490E-07	461599.9	3775682.3	429.7	3.70	1.67	2.89 YES
L0041112	0	0.63490E-07	461603.5	3775682.3	429.7	3.70	1.67	2.89 YES
L0041113	0	0.63490E-07	461607.1	3775682.2	429.7	3.70	1.67	2.89 YES
L0041114	0	0.63490E-07	461610.7	3775682.2	429.7	3.70	1.67	2.89 YES
L0041115	0	0.63490E-07	461614.3	3775682.2	429.7	3.70	1.67	2.89 YES
L0041116	0	0.63490E-07	461617.9	3775682.1	429.7	3.70	1.67	2.89 YES
L0041117	0	0.63490E-07	461621.5	3775682.1	429.7	3.70	1.67	2.89 YES

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 L0041118         0   0.63490E-07  461625.1 3775682.1   429.7     3.70     1.67
2.89     YES
 L0041119         0   0.63490E-07  461628.7 3775682.0   429.7     3.70     1.67
2.89     YES
 L0041120         0   0.63490E-07  461632.3 3775682.0   429.7     3.70     1.67
2.89     YES
 L0041121         0   0.63490E-07  461635.9 3775682.0   429.7     3.70     1.67
2.89     YES
 L0041122         0   0.63490E-07  461639.5 3775681.9   429.7     3.70     1.67
2.89     YES
 L0041123         0   0.63490E-07  461643.1 3775681.9   429.7     3.70     1.67
2.89     YES
 L0041124         0   0.63490E-07  461646.7 3775681.9   429.7     3.70     1.67
2.89     YES
 L0041125         0   0.63490E-07  461650.3 3775681.8   429.7     3.70     1.67
2.89     YES
 L0041126         0   0.63490E-07  461653.9 3775681.8   429.6     3.70     1.67
2.89     YES
 L0041127         0   0.63490E-07  461657.5 3775681.8   429.6     3.70     1.67
2.89     YES
 L0041128         0   0.63490E-07  461661.1 3775681.7   429.6     3.70     1.67
2.89     YES
 L0041129         0   0.63490E-07  461664.7 3775681.7   429.6     3.70     1.67
2.89     YES
 L0041130         0   0.63490E-07  461668.3 3775681.7   429.6     3.70     1.67
2.89     YES
 L0041131         0   0.63490E-07  461671.9 3775681.6   429.6     3.70     1.67
2.89     YES
 L0041132         0   0.63490E-07  461675.5 3775681.6   429.6     3.70     1.67
2.89     YES
 L0041133         0   0.63490E-07  461679.1 3775681.6   429.5     3.70     1.67
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0041118	0	0.63490E-07	461625.1	3775682.1	429.7	3.70	1.67	2.89	YES	
L0041119	0	0.63490E-07	461628.7	3775682.0	429.7	3.70	1.67	2.89	YES	
L0041120	0	0.63490E-07	461632.3	3775682.0	429.7	3.70	1.67	2.89	YES	
L0041121	0	0.63490E-07	461635.9	3775682.0	429.7	3.70	1.67	2.89	YES	
L0041122	0	0.63490E-07	461639.5	3775681.9	429.7	3.70	1.67	2.89	YES	
L0041123	0	0.63490E-07	461643.1	3775681.9	429.7	3.70	1.67	2.89	YES	
L0041124	0	0.63490E-07	461646.7	3775681.9	429.7	3.70	1.67	2.89	YES	
L0041125	0	0.63490E-07	461650.3	3775681.8	429.7	3.70	1.67	2.89	YES	
L0041126	0	0.63490E-07	461653.9	3775681.8	429.6	3.70	1.67	2.89	YES	
L0041127	0	0.63490E-07	461657.5	3775681.8	429.6	3.70	1.67	2.89	YES	
L0041128	0	0.63490E-07	461661.1	3775681.7	429.6	3.70	1.67	2.89	YES	
L0041129	0	0.63490E-07	461664.7	3775681.7	429.6	3.70	1.67	2.89	YES	
L0041130	0	0.63490E-07	461668.3	3775681.7	429.6	3.70	1.67	2.89	YES	
L0041131	0	0.63490E-07	461671.9	3775681.6	429.6	3.70	1.67	2.89	YES	
L0041132	0	0.63490E-07	461675.5	3775681.6	429.6	3.70	1.67	2.89	YES	
L0041133	0	0.63490E-07	461679.1	3775681.6	429.5	3.70	1.67	2.89	YES	

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L0041134	0	0.63490E-07	461682.7	3775681.5	429.5	3.70	1.67	2.89 YES
L0041135	0	0.63490E-07	461686.3	3775681.5	429.5	3.70	1.67	2.89 YES
L0041136	0	0.63490E-07	461689.9	3775681.5	429.5	3.70	1.67	2.89 YES
L0041137	0	0.63490E-07	461693.5	3775681.4	429.5	3.70	1.67	2.89 YES
L0041138	0	0.63490E-07	461697.1	3775681.4	429.4	3.70	1.67	2.89 YES
L0041139	0	0.63490E-07	461700.7	3775681.4	429.4	3.70	1.67	2.89 YES
L0041140	0	0.63490E-07	461704.3	3775681.3	429.4	3.70	1.67	2.89 YES
L0041141	0	0.63490E-07	461707.9	3775681.3	429.4	3.70	1.67	2.89 YES
L0041142	0	0.63490E-07	461711.5	3775681.3	429.4	3.70	1.67	2.89 YES
L0041143	0	0.63490E-07	461715.1	3775681.2	429.4	3.70	1.67	2.89 YES
L0041144	0	0.63490E-07	461718.7	3775681.2	429.4	3.70	1.67	2.89 YES
L0041145	0	0.63490E-07	461722.3	3775681.2	429.4	3.70	1.67	2.89 YES
L0041146	0	0.63490E-07	461725.9	3775681.2	429.4	3.70	1.67	2.89 YES
L0041147	0	0.63490E-07	461729.5	3775681.1	429.4	3.70	1.67	2.89 YES
L0041148	0	0.63490E-07	461733.1	3775681.1	429.4	3.70	1.67	2.89 YES
L0041149	0	0.63490E-07	461736.7	3775681.1	429.4	3.70	1.67	2.89 YES
L0041150	0	0.63490E-07	461740.3	3775681.0	429.3	3.70	1.67	2.89 YES
L0041151	0	0.63490E-07	461743.9	3775681.0	429.3	3.70	1.67	2.89 YES
L0041152	0	0.63490E-07	461747.5	3775681.0	429.3	3.70	1.67	2.89 YES
L0041153	0	0.63490E-07	461751.1	3775680.9	429.3	3.70	1.67	2.89 YES
L0041154	0	0.63490E-07	461754.7	3775680.9	429.3	3.70	1.67	2.89 YES
L0041155	0	0.63490E-07	461758.3	3775680.9	429.3	3.70	1.67	2.89 YES
L0041156	0	0.63490E-07	461761.9	3775680.8	429.3	3.70	1.67	2.89 YES
L0041157	0	0.63490E-07	461765.5	3775680.8	429.3	3.70	1.67	2.89 YES

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 L0041158         0   0.63490E-07  461769.1 3775680.8   429.3     3.70     1.67
2.89     YES
 L0041159         0   0.63490E-07  461772.7 3775680.7   429.3     3.70     1.67
2.89     YES
 L0041160         0   0.63490E-07  461776.3 3775680.7   429.3     3.70     1.67
2.89     YES
 L0041161         0   0.63490E-07  461779.9 3775680.7   429.2     3.70     1.67
2.89     YES
 L0041162         0   0.63490E-07  461783.5 3775680.6   429.2     3.70     1.67
2.89     YES
 L0041163         0   0.63490E-07  461787.1 3775680.6   429.2     3.70     1.67
2.89     YES
 L0041164         0   0.63490E-07  461790.7 3775680.6   429.2     3.70     1.67
2.89     YES
 L0041165         0   0.63490E-07  461794.3 3775680.5   429.2     3.70     1.67
2.89     YES
 L0041166         0   0.63490E-07  461797.9 3775680.5   429.2     3.70     1.67
2.89     YES
 L0041167         0   0.63490E-07  461801.5 3775680.5   429.2     3.70     1.67
2.89     YES
 L0041168         0   0.63490E-07  461805.1 3775680.4   429.2     3.70     1.67
2.89     YES
 L0041169         0   0.63490E-07  461808.7 3775680.4   429.2     3.70     1.67
2.89     YES
 L0041170         0   0.63490E-07  461812.3 3775680.4   429.2     3.70     1.67
2.89     YES
 L0041171         0   0.63490E-07  461815.9 3775680.3   429.2     3.70     1.67
2.89     YES
 L0041172         0   0.63490E-07  461819.5 3775680.3   429.1     3.70     1.67
2.89     YES
 L0041173         0   0.63490E-07  461823.1 3775680.3   429.2     3.70     1.67
2.89     YES
```



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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041174	0	0.63490E-07	461826.7	3775680.2	429.2	3.70	1.67	2.89	YES
L0041175	0	0.63490E-07	461830.3	3775680.2	429.2	3.70	1.67	2.89	YES
L0041176	0	0.63490E-07	461833.9	3775680.2	429.2	3.70	1.67	2.89	YES
L0041177	0	0.63490E-07	461837.5	3775680.2	429.2	3.70	1.67	2.89	YES
L0041178	0	0.63490E-07	461841.1	3775680.1	429.2	3.70	1.67	2.89	YES
L0041179	0	0.63490E-07	461844.7	3775680.1	429.2	3.70	1.67	2.89	YES
L0041180	0	0.63490E-07	461848.3	3775680.1	429.2	3.70	1.67	2.89	YES
L0041181	0	0.63490E-07	461851.9	3775680.0	429.2	3.70	1.67	2.89	YES
L0041182	0	0.63490E-07	461855.5	3775680.0	429.2	3.70	1.67	2.89	YES
L0041183	0	0.63490E-07	461859.1	3775680.0	429.2	3.70	1.67	2.89	YES
L0041184	0	0.63490E-07	461862.7	3775679.9	429.2	3.70	1.67	2.89	YES
L0041185	0	0.63490E-07	461866.3	3775679.9	429.2	3.70	1.67	2.89	YES
L0041186	0	0.63490E-07	461869.9	3775679.9	429.2	3.70	1.67	2.89	YES
L0041187	0	0.63490E-07	461873.5	3775679.8	429.2	3.70	1.67	2.89	YES
L0041188	0	0.63490E-07	461877.1	3775679.8	429.2	3.70	1.67	2.89	YES
L0041189	0	0.63490E-07	461880.7	3775679.8	429.2	3.70	1.67	2.89	YES
L0041190	0	0.63490E-07	461884.3	3775679.7	429.2	3.70	1.67	2.89	YES
L0041191	0	0.63490E-07	461887.9	3775679.7	429.1	3.70	1.67	2.89	YES
L0041192	0	0.63490E-07	461891.5	3775679.7	429.1	3.70	1.67	2.89	YES
L0041193	0	0.63490E-07	461895.1	3775679.6	429.1	3.70	1.67	2.89	YES
L0041194	0	0.63490E-07	461898.7	3775679.6	429.1	3.70	1.67	2.89	YES
L0041195	0	0.63490E-07	461902.3	3775679.6	429.1	3.70	1.67	2.89	YES
L0041196	0	0.63490E-07	461905.9	3775679.5	429.1	3.70	1.67	2.89	YES
L0041197	0	0.63490E-07	461909.5	3775679.5	429.1	3.70	1.67	2.89	YES

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 L0041198         0   0.63490E-07  461913.1 3775679.5   429.1     3.70     1.67
2.89     YES
 L0041199         0   0.63490E-07  461916.7 3775679.4   429.0     3.70     1.67
2.89     YES
 L0041200         0   0.63490E-07  461920.3 3775679.3   429.0     3.70     1.67
2.89     YES
 L0041201         0   0.63490E-07  461923.9 3775679.2   429.0     3.70     1.67
2.89     YES
 L0041202         0   0.63490E-07  461927.5 3775679.1   429.0     3.70     1.67
2.89     YES
 L0041203         0   0.63490E-07  461931.1 3775679.1   429.0     3.70     1.67
2.89     YES
 L0041204         0   0.63490E-07  461934.7 3775679.0   428.9     3.70     1.67
2.89     YES
 L0041205         0   0.63490E-07  461938.3 3775678.9   428.9     3.70     1.67
2.89     YES
 L0041206         0   0.63490E-07  461941.9 3775678.8   428.9     3.70     1.67
2.89     YES
 L0041207         0   0.63490E-07  461945.5 3775678.7   428.9     3.70     1.67
2.89     YES
 L0041208         0   0.63490E-07  461949.1 3775678.7   428.9     3.70     1.67
2.89     YES
 L0041209         0   0.63490E-07  461952.7 3775678.6   428.8     3.70     1.67
2.89     YES
 L0041210         0   0.63490E-07  461956.3 3775678.5   428.8     3.70     1.67
2.89     YES
 L0041211         0   0.63490E-07  461959.8 3775678.4   428.7     3.70     1.67
2.89     YES
 L0041212         0   0.63490E-07  461963.4 3775678.3   428.7     3.70     1.67
2.89     YES
 L0041213         0   0.63490E-07  461967.0 3775678.3   428.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041214	0	0.63490E-07	461970.6	3775678.2	428.6	3.70	1.67	2.89	YES
L0041215	0	0.63490E-07	461974.2	3775678.1	428.6	3.70	1.67	2.89	YES
L0041216	0	0.63490E-07	461977.8	3775678.0	428.6	3.70	1.67	2.89	YES
L0041217	0	0.63490E-07	461981.4	3775677.9	428.5	3.70	1.67	2.89	YES
L0041218	0	0.63490E-07	461985.0	3775677.9	428.5	3.70	1.67	2.89	YES
L0041219	0	0.63490E-07	461988.6	3775677.8	428.5	3.70	1.67	2.89	YES
L0041220	0	0.63490E-07	461992.2	3775677.7	428.4	3.70	1.67	2.89	YES
L0041221	0	0.63490E-07	461995.8	3775677.7	428.4	3.70	1.67	2.89	YES
L0041222	0	0.63490E-07	461999.4	3775677.7	428.4	3.70	1.67	2.89	YES
L0041223	0	0.63490E-07	462003.0	3775677.7	428.4	3.70	1.67	2.89	YES
L0041224	0	0.63490E-07	462006.6	3775677.7	428.4	3.70	1.67	2.89	YES
L0041225	0	0.63490E-07	462010.2	3775677.7	428.4	3.70	1.67	2.89	YES
L0041226	0	0.63490E-07	462013.8	3775677.6	428.4	3.70	1.67	2.89	YES
L0041227	0	0.63490E-07	462017.4	3775677.6	428.3	3.70	1.67	2.89	YES
L0041228	0	0.63490E-07	462021.0	3775677.6	428.3	3.70	1.67	2.89	YES
L0041229	0	0.63490E-07	462024.6	3775677.6	428.3	3.70	1.67	2.89	YES
L0041230	0	0.63490E-07	462028.2	3775677.6	428.3	3.70	1.67	2.89	YES
L0041231	0	0.63490E-07	462031.8	3775677.6	428.3	3.70	1.67	2.89	YES
L0041232	0	0.63490E-07	462035.4	3775677.6	428.3	3.70	1.67	2.89	YES
L0041233	0	0.63490E-07	462039.0	3775677.6	428.3	3.70	1.67	2.89	YES
L0041234	0	0.63490E-07	462042.6	3775677.5	428.3	3.70	1.67	2.89	YES
L0041235	0	0.63490E-07	462046.2	3775677.5	428.3	3.70	1.67	2.89	YES
L0041236	0	0.63490E-07	462049.8	3775677.5	428.3	3.70	1.67	2.89	YES
L0041237	0	0.63490E-07	462053.4	3775677.5	428.3	3.70	1.67	2.89	YES

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 L0041238         0   0.63490E-07  462057.0 3775677.5   428.3     3.70     1.67
2.89     YES
 L0041239         0   0.63490E-07  462060.6 3775677.5   428.2     3.70     1.67
2.89     YES
 L0041240         0   0.63490E-07  462064.2 3775677.5   428.2     3.70     1.67
2.89     YES
 L0041241         0   0.63490E-07  462067.8 3775677.5   428.2     3.70     1.67
2.89     YES
 L0041242         0   0.63490E-07  462071.4 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041243         0   0.63490E-07  462075.0 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041244         0   0.63490E-07  462078.6 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041245         0   0.63490E-07  462082.2 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041246         0   0.63490E-07  462085.8 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041247         0   0.63490E-07  462089.4 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041248         0   0.63490E-07  462093.0 3775677.4   428.2     3.70     1.67
2.89     YES
 L0041249         0   0.63490E-07  462096.6 3775677.3   428.2     3.70     1.67
2.89     YES
 L0041250         0   0.63490E-07  462100.2 3775677.3   428.1     3.70     1.67
2.89     YES
 L0041251         0   0.63490E-07  462103.8 3775677.3   428.1     3.70     1.67
2.89     YES
 L0041252         0   0.63490E-07  462107.4 3775677.3   428.1     3.70     1.67
2.89     YES
 L0041253         0   0.63490E-07  462111.0 3775677.3   428.1     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041254	0	0.63490E-07	462114.6	3775677.3	428.1	3.70	1.67	2.89 YES
L0041255	0	0.63490E-07	462118.2	3775677.3	428.1	3.70	1.67	2.89 YES
L0041256	0	0.63490E-07	462121.8	3775677.3	428.1	3.70	1.67	2.89 YES
L0041257	0	0.63490E-07	462125.4	3775677.2	428.1	3.70	1.67	2.89 YES
L0041258	0	0.63490E-07	462129.0	3775677.2	428.0	3.70	1.67	2.89 YES
L0041259	0	0.63490E-07	462132.6	3775677.2	428.0	3.70	1.67	2.89 YES
L0041260	0	0.63490E-07	462136.2	3775677.2	428.0	3.70	1.67	2.89 YES
L0041261	0	0.63490E-07	462139.8	3775677.2	428.0	3.70	1.67	2.89 YES
L0041262	0	0.63490E-07	462143.4	3775677.2	428.0	3.70	1.67	2.89 YES
L0041263	0	0.63490E-07	462147.0	3775677.2	428.0	3.70	1.67	2.89 YES
L0041264	0	0.63490E-07	462150.6	3775677.2	427.9	3.70	1.67	2.89 YES
L0041265	0	0.63490E-07	462154.2	3775677.1	427.9	3.70	1.67	2.89 YES
L0041266	0	0.63490E-07	462157.8	3775677.1	427.9	3.70	1.67	2.89 YES
L0041267	0	0.63490E-07	462161.4	3775677.1	427.9	3.70	1.67	2.89 YES
L0041268	0	0.63490E-07	462165.0	3775677.1	427.9	3.70	1.67	2.89 YES
L0041269	0	0.63490E-07	462168.6	3775677.1	427.9	3.70	1.67	2.89 YES
L0041270	0	0.63490E-07	462172.2	3775677.1	427.9	3.70	1.67	2.89 YES
L0041271	0	0.63490E-07	462175.8	3775677.1	427.9	3.70	1.67	2.89 YES
L0041272	0	0.63490E-07	462179.4	3775677.1	427.9	3.70	1.67	2.89 YES
L0041273	0	0.63490E-07	462183.0	3775677.0	427.9	3.70	1.67	2.89 YES
L0041274	0	0.63490E-07	462186.6	3775677.0	427.8	3.70	1.67	2.89 YES
L0041275	0	0.63490E-07	462190.2	3775677.0	427.8	3.70	1.67	2.89 YES
L0041276	0	0.63490E-07	462193.8	3775677.0	427.7	3.70	1.67	2.89 YES
L0041277	0	0.63490E-07	462197.4	3775677.0	427.7	3.70	1.67	2.89 YES

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 L0041278         0   0.63490E-07  462201.0 3775677.0   427.7     3.70     1.67
2.89     YES
 L0041279         0   0.63490E-07  462204.6 3775677.0   427.6     3.70     1.67
2.89     YES
 L0041280         0   0.63490E-07  462208.2 3775676.9   427.6     3.70     1.67
2.89     YES
 L0041281         0   0.63490E-07  462211.8 3775676.9   427.6     3.70     1.67
2.89     YES
 L0041282         0   0.63490E-07  462215.4 3775676.9   427.5     3.70     1.67
2.89     YES
 L0041283         0   0.63490E-07  462219.0 3775676.8   427.5     3.70     1.67
2.89     YES
 L0041284         0   0.63490E-07  462222.6 3775676.8   427.5     3.70     1.67
2.89     YES
 L0041285         0   0.63490E-07  462226.2 3775676.8   427.5     3.70     1.67
2.89     YES
 L0041286         0   0.63490E-07  462229.8 3775676.7   427.4     3.70     1.67
2.89     YES
 L0041287         0   0.63490E-07  462233.4 3775676.7   427.4     3.70     1.67
2.89     YES
 L0041288         0   0.63490E-07  462237.0 3775676.7   427.4     3.70     1.67
2.89     YES
 L0041289         0   0.63490E-07  462240.6 3775676.6   427.4     3.70     1.67
2.89     YES
 L0041290         0   0.63490E-07  462244.2 3775676.6   427.4     3.70     1.67
2.89     YES
 L0041291         0   0.63490E-07  462247.8 3775676.6   427.4     3.70     1.67
2.89     YES
 L0041292         0   0.63490E-07  462251.4 3775676.5   427.4     3.70     1.67
2.89     YES
 L0041293         0   0.63490E-07  462255.0 3775676.5   427.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041294	0	0.63490E-07	462258.6	3775676.5	427.4	3.70	1.67	2.89	YES
L0041295	0	0.63490E-07	462262.2	3775676.4	427.4	3.70	1.67	2.89	YES
L0041296	0	0.63490E-07	462265.8	3775676.4	427.3	3.70	1.67	2.89	YES
L0041297	0	0.63490E-07	462269.4	3775676.4	427.3	3.70	1.67	2.89	YES
L0041298	0	0.63490E-07	462273.0	3775676.3	427.3	3.70	1.67	2.89	YES
L0041299	0	0.63490E-07	462276.6	3775676.3	427.3	3.70	1.67	2.89	YES
L0041300	0	0.63490E-07	462280.2	3775676.3	427.3	3.70	1.67	2.89	YES
L0041301	0	0.63490E-07	462283.8	3775676.2	427.3	3.70	1.67	2.89	YES
L0041302	0	0.63490E-07	462287.4	3775676.2	427.3	3.70	1.67	2.89	YES
L0041303	0	0.63490E-07	462291.0	3775676.2	427.3	3.70	1.67	2.89	YES
L0041304	0	0.63490E-07	462294.6	3775676.1	427.3	3.70	1.67	2.89	YES
L0041305	0	0.63490E-07	462298.2	3775676.1	427.3	3.70	1.67	2.89	YES
L0041306	0	0.63490E-07	462301.8	3775676.1	427.2	3.70	1.67	2.89	YES
L0041307	0	0.63490E-07	462305.4	3775676.0	427.2	3.70	1.67	2.89	YES
L0041308	0	0.63490E-07	462309.0	3775676.0	427.2	3.70	1.67	2.89	YES
L0041309	0	0.63490E-07	462312.6	3775676.0	427.2	3.70	1.67	2.89	YES
L0041310	0	0.63490E-07	462316.2	3775675.9	427.2	3.70	1.67	2.89	YES
L0041311	0	0.63490E-07	462319.8	3775675.9	427.2	3.70	1.67	2.89	YES
L0041312	0	0.63490E-07	462323.4	3775675.8	427.2	3.70	1.67	2.89	YES
L0041313	0	0.63490E-07	462327.0	3775675.8	427.2	3.70	1.67	2.89	YES
L0041314	0	0.63490E-07	462330.6	3775675.8	427.2	3.70	1.67	2.89	YES
L0041315	0	0.63490E-07	462334.2	3775675.7	427.1	3.70	1.67	2.89	YES
L0041316	0	0.63490E-07	462337.8	3775675.7	427.1	3.70	1.67	2.89	YES
L0041317	0	0.63490E-07	462341.4	3775675.7	427.1	3.70	1.67	2.89	YES

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 L0041318         0   0.63490E-07  462345.0 3775675.6   427.1     3.70     1.67
2.89     YES
 L0041319         0   0.63490E-07  462348.6 3775675.6   427.1     3.70     1.67
2.89     YES
 L0041320         0   0.63490E-07  462352.2 3775675.6   427.1     3.70     1.67
2.89     YES
 L0041321         0   0.63490E-07  462355.8 3775675.5   427.1     3.70     1.67
2.89     YES
 L0041322         0   0.63490E-07  462359.4 3775675.5   427.1     3.70     1.67
2.89     YES
 L0041323         0   0.63490E-07  462363.0 3775675.5   427.1     3.70     1.67
2.89     YES
 L0041324         0   0.63490E-07  462366.6 3775675.4   427.1     3.70     1.67
2.89     YES
 L0041325         0   0.63490E-07  462370.2 3775675.4   427.0     3.70     1.67
2.89     YES
 L0041326         0   0.63490E-07  462373.8 3775675.4   427.0     3.70     1.67
2.89     YES
 L0041327         0   0.63490E-07  462377.4 3775675.4   427.0     3.70     1.67
2.89     YES
 L0041328         0   0.63490E-07  462381.0 3775675.3   427.0     3.70     1.67
2.89     YES
 L0041329         0   0.63490E-07  462384.6 3775675.3   427.0     3.70     1.67
2.89     YES
 L0041330         0   0.63490E-07  462388.2 3775675.3   427.0     3.70     1.67
2.89     YES
 L0041331         0   0.63490E-07  462391.8 3775675.2   427.0     3.70     1.67
2.89     YES
 L0041332         0   0.63490E-07  462395.4 3775675.2   427.0     3.70     1.67
2.89     YES
 L0041333         0   0.63490E-07  462399.0 3775675.2   426.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041334	0	0.63490E-07	462402.6	3775675.1	426.9	3.70	1.67	2.89	YES
L0041335	0	0.63490E-07	462406.2	3775675.1	426.9	3.70	1.67	2.89	YES
L0041336	0	0.63490E-07	462409.8	3775675.1	426.9	3.70	1.67	2.89	YES
L0041337	0	0.63490E-07	462413.4	3775675.1	426.9	3.70	1.67	2.89	YES
L0041338	0	0.63490E-07	462417.0	3775675.0	426.9	3.70	1.67	2.89	YES
L0041339	0	0.63490E-07	462420.6	3775675.0	426.9	3.70	1.67	2.89	YES
L0041340	0	0.63490E-07	462424.2	3775675.0	426.9	3.70	1.67	2.89	YES
L0041341	0	0.63490E-07	462427.8	3775674.9	426.8	3.70	1.67	2.89	YES
L0041342	0	0.63490E-07	462431.4	3775674.9	426.8	3.70	1.67	2.89	YES
L0041343	0	0.63490E-07	462435.0	3775674.9	426.8	3.70	1.67	2.89	YES
L0041344	0	0.63490E-07	462438.6	3775674.8	426.8	3.70	1.67	2.89	YES
L0041345	0	0.63490E-07	462442.2	3775674.8	426.8	3.70	1.67	2.89	YES
L0041346	0	0.63490E-07	462445.8	3775674.8	426.8	3.70	1.67	2.89	YES
L0041347	0	0.63490E-07	462449.4	3775674.7	426.7	3.70	1.67	2.89	YES
L0041348	0	0.63490E-07	462453.0	3775674.7	426.7	3.70	1.67	2.89	YES
L0041349	0	0.63490E-07	462456.6	3775674.7	426.7	3.70	1.67	2.89	YES
L0041350	0	0.63490E-07	462460.2	3775674.7	426.7	3.70	1.67	2.89	YES
L0041351	0	0.63490E-07	462463.8	3775674.6	426.7	3.70	1.67	2.89	YES
L0041352	0	0.63490E-07	462467.4	3775674.6	426.6	3.70	1.67	2.89	YES
L0041353	0	0.63490E-07	462471.0	3775674.6	426.6	3.70	1.67	2.89	YES
L0041354	0	0.63490E-07	462474.6	3775674.5	426.6	3.70	1.67	2.89	YES
L0041355	0	0.63490E-07	462478.2	3775674.5	426.6	3.70	1.67	2.89	YES
L0041356	0	0.63490E-07	462481.8	3775674.5	426.6	3.70	1.67	2.89	YES
L0041357	0	0.63490E-07	462485.4	3775674.4	426.6	3.70	1.67	2.89	YES

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 L0041358         0   0.63490E-07  462489.0 3775674.4   426.6     3.70     1.67
2.89     YES
 L0041359         0   0.63490E-07  462492.6 3775674.4   426.5     3.70     1.67
2.89     YES
 L0041360         0   0.63490E-07  462496.2 3775674.4   426.5     3.70     1.67
2.89     YES
 L0041361         0   0.63490E-07  462499.8 3775674.3   426.5     3.70     1.67
2.89     YES
 L0041362         0   0.63490E-07  462503.4 3775674.3   426.5     3.70     1.67
2.89     YES
 L0041363         0   0.63490E-07  462507.0 3775674.3   426.5     3.70     1.67
2.89     YES
 L0041364         0   0.63490E-07  462510.6 3775674.2   426.4     3.70     1.67
2.89     YES
 L0041365         0   0.63490E-07  462514.2 3775674.2   426.4     3.70     1.67
2.89     YES
 L0041366         0   0.63490E-07  462517.8 3775674.2   426.4     3.70     1.67
2.89     YES
 L0041367         0   0.63490E-07  462521.4 3775674.1   426.4     3.70     1.67
2.89     YES
 L0041368         0   0.63490E-07  462525.0 3775674.1   426.4     3.70     1.67
2.89     YES
 L0041369         0   0.63490E-07  462528.6 3775674.1   426.4     3.70     1.67
2.89     YES
 L0041370         0   0.63490E-07  462532.2 3775674.0   426.4     3.70     1.67
2.89     YES
 L0041371         0   0.63490E-07  462535.8 3775674.0   426.4     3.70     1.67
2.89     YES
 L0041372         0   0.63490E-07  462539.4 3775674.0   426.3     3.70     1.67
2.89     YES
 L0041373         0   0.63490E-07  462543.0 3775674.0   426.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041374	0	0.63490E-07	462546.6	3775674.0	426.3	3.70	1.67	2.89	YES
L0041375	0	0.63490E-07	462550.2	3775674.0	426.3	3.70	1.67	2.89	YES
L0041376	0	0.63490E-07	462553.8	3775674.0	426.3	3.70	1.67	2.89	YES
L0041377	0	0.63490E-07	462557.4	3775674.0	426.3	3.70	1.67	2.89	YES
L0041378	0	0.63490E-07	462561.0	3775674.0	426.3	3.70	1.67	2.89	YES
L0041379	0	0.63490E-07	462564.6	3775674.0	426.3	3.70	1.67	2.89	YES
L0041380	0	0.63490E-07	462568.2	3775674.1	426.3	3.70	1.67	2.89	YES
L0041381	0	0.63490E-07	462571.8	3775674.1	426.2	3.70	1.67	2.89	YES
L0041382	0	0.63490E-07	462575.4	3775674.1	426.2	3.70	1.67	2.89	YES
L0041383	0	0.63490E-07	462579.0	3775674.1	426.2	3.70	1.67	2.89	YES
L0041384	0	0.63490E-07	462582.6	3775674.1	426.2	3.70	1.67	2.89	YES
L0041385	0	0.63490E-07	462586.2	3775674.1	426.2	3.70	1.67	2.89	YES
L0041386	0	0.63490E-07	462589.8	3775674.1	426.2	3.70	1.67	2.89	YES
L0041387	0	0.63490E-07	462593.4	3775674.1	426.1	3.70	1.67	2.89	YES
L0041388	0	0.63490E-07	462597.0	3775674.1	426.1	3.70	1.67	2.89	YES
L0041389	0	0.63490E-07	462600.6	3775674.1	426.0	3.70	1.67	2.89	YES
L0041390	0	0.63490E-07	462604.2	3775674.1	426.0	3.70	1.67	2.89	YES
L0041391	0	0.63490E-07	462607.8	3775674.1	426.0	3.70	1.67	2.89	YES
L0041392	0	0.63490E-07	462611.4	3775674.1	425.9	3.70	1.67	2.89	YES
L0041393	0	0.63490E-07	462615.0	3775674.1	425.9	3.70	1.67	2.89	YES
L0041394	0	0.63490E-07	462618.6	3775674.2	425.9	3.70	1.67	2.89	YES
L0041395	0	0.63490E-07	462622.2	3775674.2	425.9	3.70	1.67	2.89	YES
L0041396	0	0.63490E-07	462625.8	3775674.2	425.9	3.70	1.67	2.89	YES
L0041397	0	0.63490E-07	462629.4	3775674.2	425.8	3.70	1.67	2.89	YES

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 L0041398         0   0.63490E-07  462633.0 3775674.2   425.8     3.70     1.67
2.89     YES
 L0041399         0   0.63490E-07  462636.6 3775674.2   425.8     3.70     1.67
2.89     YES
 L0041400         0   0.63490E-07  462640.2 3775674.2   425.8     3.70     1.67
2.89     YES
 L0041401         0   0.63490E-07  462643.8 3775674.2   425.8     3.70     1.67
2.89     YES
 L0041402         0   0.63490E-07  462647.4 3775674.2   425.8     3.70     1.67
2.89     YES
 L0041403         0   0.63490E-07  462651.0 3775674.2   425.8     3.70     1.67
2.89     YES
 L0041404         0   0.63490E-07  462654.6 3775674.2   425.7     3.70     1.67
2.89     YES
 L0041405         0   0.63490E-07  462658.2 3775674.2   425.7     3.70     1.67
2.89     YES
 L0041406         0   0.63490E-07  462661.8 3775674.2   425.7     3.70     1.67
2.89     YES
 L0041407         0   0.63490E-07  462665.4 3775674.3   425.7     3.70     1.67
2.89     YES
 L0041408         0   0.63490E-07  462669.0 3775674.3   425.7     3.70     1.67
2.89     YES
 L0041409         0   0.63490E-07  462672.6 3775674.3   425.7     3.70     1.67
2.89     YES
 L0041410         0   0.63490E-07  462676.2 3775674.3   425.6     3.70     1.67
2.89     YES
 L0041411         0   0.63490E-07  462679.8 3775674.3   425.6     3.70     1.67
2.89     YES
 L0041412         0   0.63490E-07  462683.4 3775674.3   425.6     3.70     1.67
2.89     YES
 L0041413         0   0.63490E-07  462687.0 3775674.3   425.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041414	0	0.63490E-07	462690.6	3775674.3	425.5	3.70	1.67	2.89 YES
L0041415	0	0.63490E-07	462694.2	3775674.3	425.5	3.70	1.67	2.89 YES
L0041416	0	0.63490E-07	462697.8	3775674.3	425.5	3.70	1.67	2.89 YES
L0041417	0	0.63490E-07	462701.4	3775674.3	425.4	3.70	1.67	2.89 YES
L0041418	0	0.63490E-07	462705.0	3775674.3	425.4	3.70	1.67	2.89 YES
L0041419	0	0.63490E-07	462708.6	3775674.3	425.4	3.70	1.67	2.89 YES
L0041420	0	0.63490E-07	462712.2	3775674.3	425.3	3.70	1.67	2.89 YES
L0041421	0	0.63490E-07	462715.8	3775674.4	425.3	3.70	1.67	2.89 YES
L0041422	0	0.63490E-07	462719.4	3775674.4	425.3	3.70	1.67	2.89 YES
L0041423	0	0.63490E-07	462723.0	3775674.4	425.3	3.70	1.67	2.89 YES
L0041424	0	0.63490E-07	462726.6	3775674.4	425.3	3.70	1.67	2.89 YES
L0041425	0	0.63490E-07	462730.2	3775674.4	425.2	3.70	1.67	2.89 YES
L0041426	0	0.63490E-07	462733.8	3775674.4	425.2	3.70	1.67	2.89 YES
L0041427	0	0.63490E-07	462737.4	3775674.4	425.2	3.70	1.67	2.89 YES
L0041428	0	0.63490E-07	462741.0	3775674.4	425.2	3.70	1.67	2.89 YES
L0041429	0	0.63490E-07	462744.6	3775674.4	425.2	3.70	1.67	2.89 YES
L0041430	0	0.63490E-07	462748.2	3775674.4	425.2	3.70	1.67	2.89 YES
L0041431	0	0.63490E-07	462751.8	3775674.4	425.1	3.70	1.67	2.89 YES
L0041432	0	0.63490E-07	462755.4	3775674.4	425.1	3.70	1.67	2.89 YES
L0041433	0	0.63490E-07	462759.0	3775674.4	425.1	3.70	1.67	2.89 YES
L0041434	0	0.63490E-07	462762.6	3775674.5	425.1	3.70	1.67	2.89 YES
L0041435	0	0.63490E-07	462766.2	3775674.5	425.1	3.70	1.67	2.89 YES
L0041436	0	0.63490E-07	462769.8	3775674.5	425.0	3.70	1.67	2.89 YES
L0041437	0	0.63490E-07	462773.4	3775674.5	425.0	3.70	1.67	2.89 YES

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 L0041438         0   0.63490E-07  462777.0 3775674.5   425.0     3.70     1.67
2.89     YES
 L0041439         0   0.63490E-07  462780.6 3775674.5   425.0     3.70     1.67
2.89     YES
 L0041440         0   0.63490E-07  462784.2 3775674.5   425.0     3.70     1.67
2.89     YES
 L0041441         0   0.63490E-07  462787.8 3775674.5   424.9     3.70     1.67
2.89     YES
 L0041442         0   0.63490E-07  462791.4 3775674.5   424.9     3.70     1.67
2.89     YES
 L0041443         0   0.63490E-07  462795.0 3775674.5   424.9     3.70     1.67
2.89     YES
 L0041444         0   0.63490E-07  462798.6 3775674.5   424.9     3.70     1.67
2.89     YES
 L0041445         0   0.63490E-07  462802.2 3775674.5   424.9     3.70     1.67
2.89     YES
 L0041446         0   0.63490E-07  462805.8 3775674.5   424.9     3.70     1.67
2.89     YES
 L0041447         0   0.63490E-07  462809.4 3775674.5   424.8     3.70     1.67
2.89     YES
 L0041448         0   0.63490E-07  462813.0 3775674.6   424.8     3.70     1.67
2.89     YES
 L0041449         0   0.63490E-07  462816.6 3775674.6   424.8     3.70     1.67
2.89     YES
 L0041450         0   0.63490E-07  462820.2 3775674.6   424.8     3.70     1.67
2.89     YES
 L0041451         0   0.63490E-07  462823.8 3775674.6   424.7     3.70     1.67
2.89     YES
 L0041452         0   0.63490E-07  462827.4 3775674.6   424.7     3.70     1.67
2.89     YES
 L0041453         0   0.63490E-07  462831.0 3775674.6   424.7     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
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L0041454	0	0.63490E-07	462834.6	3775674.6	424.7	3.70	1.67	2.89	YES
L0041455	0	0.63490E-07	462838.2	3775674.6	424.7	3.70	1.67	2.89	YES
L0041456	0	0.63490E-07	462841.8	3775674.6	424.7	3.70	1.67	2.89	YES
L0041457	0	0.63490E-07	462845.4	3775674.6	424.6	3.70	1.67	2.89	YES
L0041458	0	0.63490E-07	462849.0	3775674.6	424.6	3.70	1.67	2.89	YES
L0041459	0	0.63490E-07	462852.6	3775674.6	424.6	3.70	1.67	2.89	YES
L0041460	0	0.63490E-07	462856.2	3775674.6	424.6	3.70	1.67	2.89	YES
L0041461	0	0.63490E-07	462859.8	3775674.7	424.6	3.70	1.67	2.89	YES
L0041462	0	0.63490E-07	462863.4	3775674.7	424.5	3.70	1.67	2.89	YES
L0041463	0	0.63490E-07	462867.0	3775674.7	424.5	3.70	1.67	2.89	YES
L0041464	0	0.63490E-07	462870.6	3775674.7	424.5	3.70	1.67	2.89	YES
L0041465	0	0.63490E-07	462874.2	3775674.7	424.5	3.70	1.67	2.89	YES
L0041466	0	0.63490E-07	462877.8	3775674.7	424.5	3.70	1.67	2.89	YES
L0041467	0	0.63490E-07	462881.4	3775674.7	424.5	3.70	1.67	2.89	YES
L0041468	0	0.63490E-07	462885.0	3775674.7	424.4	3.70	1.67	2.89	YES
L0041469	0	0.63490E-07	462888.6	3775674.7	424.4	3.70	1.67	2.89	YES
L0041470	0	0.63490E-07	462892.2	3775674.7	424.4	3.70	1.67	2.89	YES
L0041471	0	0.63490E-07	462895.8	3775674.7	424.4	3.70	1.67	2.89	YES
L0041472	0	0.63490E-07	462899.4	3775674.7	424.4	3.70	1.67	2.89	YES
L0041473	0	0.63490E-07	462903.0	3775674.7	424.4	3.70	1.67	2.89	YES
L0041474	0	0.63490E-07	462906.6	3775674.7	424.4	3.70	1.67	2.89	YES
L0041475	0	0.63490E-07	462910.2	3775674.8	424.3	3.70	1.67	2.89	YES
L0041476	0	0.63490E-07	462913.8	3775674.8	424.3	3.70	1.67	2.89	YES
L0041477	0	0.63490E-07	462917.4	3775674.8	424.3	3.70	1.67	2.89	YES

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 L0041478         0   0.63490E-07  462921.0 3775674.8   424.3     3.70     1.67
2.89     YES
 L0041479         0   0.63490E-07  462924.6 3775674.8   424.3     3.70     1.67
2.89     YES
 L0041480         0   0.63490E-07  462928.2 3775674.8   424.3     3.70     1.67
2.89     YES
 L0041481         0   0.63490E-07  462931.8 3775674.8   424.2     3.70     1.67
2.89     YES
 L0041482         0   0.63490E-07  462935.4 3775674.8   424.2     3.70     1.67
2.89     YES
 L0041483         0   0.63490E-07  462939.0 3775674.8   424.2     3.70     1.67
2.89     YES
 L0041484         0   0.63490E-07  462942.6 3775674.8   424.2     3.70     1.67
2.89     YES
 L0041485         0   0.63490E-07  462946.2 3775674.8   424.2     3.70     1.67
2.89     YES
 L0041486         0   0.63490E-07  462949.8 3775674.8   424.2     3.70     1.67
2.89     YES
 L0041487         0   0.63490E-07  462953.4 3775674.8   424.1     3.70     1.67
2.89     YES
 L0041488         0   0.63490E-07  462957.0 3775674.9   424.1     3.70     1.67
2.89     YES
 L0041489         0   0.63490E-07  462960.6 3775674.9   424.1     3.70     1.67
2.89     YES
 L0041490         0   0.63490E-07  462964.2 3775674.9   424.1     3.70     1.67
2.89     YES
 L0041491         0   0.63490E-07  462967.8 3775674.9   424.1     3.70     1.67
2.89     YES
 L0041492         0   0.63490E-07  462971.4 3775674.9   424.0     3.70     1.67
2.89     YES
 L0041493         0   0.63490E-07  462975.0 3775674.9   424.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041494	0	0.63490E-07	462978.6	3775674.9	424.0	3.70	1.67	2.89	YES
L0041495	0	0.63490E-07	462982.2	3775674.9	424.0	3.70	1.67	2.89	YES
L0041496	0	0.63490E-07	462985.8	3775674.9	424.0	3.70	1.67	2.89	YES
L0041497	0	0.63490E-07	462989.4	3775674.9	423.9	3.70	1.67	2.89	YES
L0041498	0	0.63490E-07	462993.0	3775674.9	423.9	3.70	1.67	2.89	YES
L0041499	0	0.63490E-07	462996.6	3775674.9	423.9	3.70	1.67	2.89	YES
L0041500	0	0.63490E-07	463000.2	3775674.9	423.9	3.70	1.67	2.89	YES
L0041501	0	0.63490E-07	463003.8	3775674.9	423.8	3.70	1.67	2.89	YES
L0041502	0	0.63490E-07	463007.4	3775675.0	423.8	3.70	1.67	2.89	YES
L0041503	0	0.63490E-07	463011.0	3775675.0	423.7	3.70	1.67	2.89	YES
L0041504	0	0.63490E-07	463014.6	3775675.0	423.7	3.70	1.67	2.89	YES
L0041505	0	0.63490E-07	463018.2	3775675.0	423.7	3.70	1.67	2.89	YES
L0041506	0	0.63490E-07	463021.8	3775675.0	423.6	3.70	1.67	2.89	YES
L0041507	0	0.63490E-07	463025.4	3775675.0	423.6	3.70	1.67	2.89	YES
L0041508	0	0.63490E-07	463029.0	3775675.0	423.6	3.70	1.67	2.89	YES
L0041509	0	0.63490E-07	463032.6	3775675.0	423.6	3.70	1.67	2.89	YES
L0041510	0	0.63490E-07	463036.2	3775675.0	423.6	3.70	1.67	2.89	YES
L0041511	0	0.63490E-07	463039.8	3775675.0	423.6	3.70	1.67	2.89	YES
L0041512	0	0.63490E-07	463043.4	3775675.0	423.5	3.70	1.67	2.89	YES
L0041513	0	0.63490E-07	463047.0	3775675.0	423.5	3.70	1.67	2.89	YES
L0041514	0	0.63490E-07	463050.6	3775675.0	423.5	3.70	1.67	2.89	YES
L0041515	0	0.63490E-07	463054.2	3775675.0	423.5	3.70	1.67	2.89	YES
L0041516	0	0.63490E-07	463057.8	3775675.0	423.5	3.70	1.67	2.89	YES
L0041517	0	0.63490E-07	463061.4	3775675.0	423.4	3.70	1.67	2.89	YES

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 L0041518         0   0.63490E-07  463065.0 3775675.0   423.4     3.70     1.67
2.89     YES
 L0041519         0   0.63490E-07  463068.6 3775675.0   423.4     3.70     1.67
2.89     YES
 L0041520         0   0.63490E-07  463072.2 3775675.0   423.3     3.70     1.67
2.89     YES
 L0041521         0   0.63490E-07  463075.8 3775675.0   423.3     3.70     1.67
2.89     YES
 L0041522         0   0.63490E-07  463079.4 3775675.0   423.3     3.70     1.67
2.89     YES
 L0041523         0   0.63490E-07  463083.0 3775675.0   423.2     3.70     1.67
2.89     YES
 L0041524         0   0.63490E-07  463086.6 3775675.0   423.2     3.70     1.67
2.89     YES
 L0041525         0   0.63490E-07  463090.2 3775675.0   423.2     3.70     1.67
2.89     YES
 L0041526         0   0.63490E-07  463093.8 3775675.0   423.2     3.70     1.67
2.89     YES
 L0041527         0   0.63490E-07  463097.4 3775675.0   423.1     3.70     1.67
2.89     YES
 L0041528         0   0.63490E-07  463101.0 3775675.0   423.1     3.70     1.67
2.89     YES
 L0041529         0   0.63490E-07  463104.6 3775675.0   423.1     3.70     1.67
2.89     YES
 L0041530         0   0.63490E-07  463108.2 3775675.0   423.1     3.70     1.67
2.89     YES
 L0041531         0   0.63490E-07  463111.8 3775675.0   423.0     3.70     1.67
2.89     YES
 L0041532         0   0.63490E-07  463115.4 3775675.0   423.0     3.70     1.67
2.89     YES
 L0041533         0   0.63490E-07  463119.0 3775675.0   423.0     3.70     1.67
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0041518	0	0.63490E-07	463065.0	3775675.0	423.4	3.70	1.67	2.89	YES	
L0041519	0	0.63490E-07	463068.6	3775675.0	423.4	3.70	1.67	2.89	YES	
L0041520	0	0.63490E-07	463072.2	3775675.0	423.3	3.70	1.67	2.89	YES	
L0041521	0	0.63490E-07	463075.8	3775675.0	423.3	3.70	1.67	2.89	YES	
L0041522	0	0.63490E-07	463079.4	3775675.0	423.3	3.70	1.67	2.89	YES	
L0041523	0	0.63490E-07	463083.0	3775675.0	423.2	3.70	1.67	2.89	YES	
L0041524	0	0.63490E-07	463086.6	3775675.0	423.2	3.70	1.67	2.89	YES	
L0041525	0	0.63490E-07	463090.2	3775675.0	423.2	3.70	1.67	2.89	YES	
L0041526	0	0.63490E-07	463093.8	3775675.0	423.2	3.70	1.67	2.89	YES	
L0041527	0	0.63490E-07	463097.4	3775675.0	423.1	3.70	1.67	2.89	YES	
L0041528	0	0.63490E-07	463101.0	3775675.0	423.1	3.70	1.67	2.89	YES	
L0041529	0	0.63490E-07	463104.6	3775675.0	423.1	3.70	1.67	2.89	YES	
L0041530	0	0.63490E-07	463108.2	3775675.0	423.1	3.70	1.67	2.89	YES	
L0041531	0	0.63490E-07	463111.8	3775675.0	423.0	3.70	1.67	2.89	YES	
L0041532	0	0.63490E-07	463115.4	3775675.0	423.0	3.70	1.67	2.89	YES	
L0041533	0	0.63490E-07	463119.0	3775675.0	423.0	3.70	1.67	2.89	YES	

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L0041534	0	0.63490E-07	463122.6	3775675.0	423.0	3.70	1.67	2.89	YES
L0041535	0	0.63490E-07	463126.2	3775675.0	422.9	3.70	1.67	2.89	YES
L0041536	0	0.63490E-07	463129.8	3775675.0	422.9	3.70	1.67	2.89	YES
L0041537	0	0.63490E-07	463133.4	3775675.0	422.9	3.70	1.67	2.89	YES
L0041538	0	0.63490E-07	463137.0	3775675.0	422.9	3.70	1.67	2.89	YES
L0041539	0	0.63490E-07	463140.6	3775675.0	422.9	3.70	1.67	2.89	YES
L0041540	0	0.63490E-07	463144.2	3775675.0	422.9	3.70	1.67	2.89	YES
L0041541	0	0.63490E-07	463147.8	3775675.0	422.9	3.70	1.67	2.89	YES
L0041542	0	0.63490E-07	463151.4	3775675.0	422.9	3.70	1.67	2.89	YES
L0041543	0	0.63490E-07	463155.0	3775675.0	422.8	3.70	1.67	2.89	YES
L0041544	0	0.63490E-07	463158.6	3775675.0	422.8	3.70	1.67	2.89	YES
L0041545	0	0.63490E-07	463162.2	3775675.0	422.8	3.70	1.67	2.89	YES
L0041546	0	0.63490E-07	463165.8	3775675.0	422.8	3.70	1.67	2.89	YES
L0041547	0	0.63490E-07	463169.4	3775675.0	422.8	3.70	1.67	2.89	YES
L0041548	0	0.63490E-07	463173.0	3775675.0	422.8	3.70	1.67	2.89	YES
L0041549	0	0.63490E-07	463176.6	3775675.0	422.7	3.70	1.67	2.89	YES
L0041550	0	0.63490E-07	463180.2	3775675.0	422.7	3.70	1.67	2.89	YES
L0041551	0	0.63490E-07	463183.8	3775675.0	422.7	3.70	1.67	2.89	YES
L0041552	0	0.63490E-07	463187.4	3775675.0	422.7	3.70	1.67	2.89	YES
L0041553	0	0.63490E-07	463191.0	3775675.0	422.7	3.70	1.67	2.89	YES
L0041554	0	0.63490E-07	463194.6	3775675.0	422.7	3.70	1.67	2.89	YES
L0041555	0	0.63490E-07	463198.2	3775675.0	422.7	3.70	1.67	2.89	YES
L0041556	0	0.63490E-07	463201.8	3775675.0	422.7	3.70	1.67	2.89	YES
L0041557	0	0.63490E-07	463205.4	3775675.0	422.6	3.70	1.67	2.89	YES

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 L0041558         0   0.63490E-07  463209.0 3775675.0   422.6     3.70     1.67
2.89     YES
 L0041559         0   0.63490E-07  463212.6 3775675.0   422.6     3.70     1.67
2.89     YES
 L0041560         0   0.63490E-07  463216.2 3775675.0   422.6     3.70     1.67
2.89     YES
 L0041561         0   0.63490E-07  463219.8 3775675.0   422.6     3.70     1.67
2.89     YES
 L0041562         0   0.63490E-07  463223.4 3775675.0   422.5     3.70     1.67
2.89     YES
 L0041563         0   0.63490E-07  463227.0 3775675.0   422.5     3.70     1.67
2.89     YES
 L0041564         0   0.63490E-07  463230.6 3775675.0   422.5     3.70     1.67
2.89     YES
 L0041565         0   0.63490E-07  463234.2 3775675.0   422.5     3.70     1.67
2.89     YES
 L0041566         0   0.63490E-07  463237.8 3775675.0   422.4     3.70     1.67
2.89     YES
 L0041567         0   0.63490E-07  463241.4 3775675.0   422.4     3.70     1.67
2.89     YES
 L0041568         0   0.63490E-07  463245.0 3775675.0   422.4     3.70     1.67
2.89     YES
 L0041569         0   0.63490E-07  463248.6 3775675.0   422.4     3.70     1.67
2.89     YES
 L0041570         0   0.63490E-07  463252.2 3775674.9   422.3     3.70     1.67
2.89     YES
 L0041571         0   0.63490E-07  463255.8 3775674.9   422.3     3.70     1.67
2.89     YES
 L0041572         0   0.63490E-07  463259.4 3775674.9   422.3     3.70     1.67
2.89     YES
 L0041573         0   0.63490E-07  463263.0 3775674.9   422.2     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041574	0	0.63490E-07	463266.6	3775674.9	422.2	3.70	1.67	2.89 YES
L0041575	0	0.63490E-07	463270.2	3775674.9	422.2	3.70	1.67	2.89 YES
L0041576	0	0.63490E-07	463273.8	3775674.9	422.2	3.70	1.67	2.89 YES
L0041577	0	0.63490E-07	463277.4	3775674.9	422.2	3.70	1.67	2.89 YES
L0041578	0	0.63490E-07	463281.0	3775674.9	422.2	3.70	1.67	2.89 YES
L0041579	0	0.63490E-07	463284.6	3775674.9	422.1	3.70	1.67	2.89 YES
L0041580	0	0.63490E-07	463288.2	3775674.9	422.1	3.70	1.67	2.89 YES
L0041581	0	0.63490E-07	463291.8	3775674.9	422.1	3.70	1.67	2.89 YES
L0041582	0	0.63490E-07	463295.4	3775674.9	422.1	3.70	1.67	2.89 YES
L0041583	0	0.63490E-07	463299.0	3775674.9	422.0	3.70	1.67	2.89 YES
L0041584	0	0.63490E-07	463302.6	3775674.9	422.0	3.70	1.67	2.89 YES
L0041585	0	0.63490E-07	463306.2	3775674.9	422.0	3.70	1.67	2.89 YES
L0041586	0	0.63490E-07	463309.8	3775674.9	422.0	3.70	1.67	2.89 YES
L0041587	0	0.63490E-07	463313.4	3775674.9	421.9	3.70	1.67	2.89 YES
L0041588	0	0.63490E-07	463317.0	3775674.8	421.9	3.70	1.67	2.89 YES
L0041589	0	0.63490E-07	463320.6	3775674.8	421.9	3.70	1.67	2.89 YES
L0041590	0	0.63490E-07	463324.2	3775674.8	421.9	3.70	1.67	2.89 YES
L0041591	0	0.63490E-07	463327.8	3775674.8	421.9	3.70	1.67	2.89 YES
L0041592	0	0.63490E-07	463331.4	3775674.8	421.8	3.70	1.67	2.89 YES
L0041593	0	0.63490E-07	463335.0	3775674.7	421.8	3.70	1.67	2.89 YES
L0041594	0	0.63490E-07	463338.6	3775674.7	421.8	3.70	1.67	2.89 YES
L0041595	0	0.63490E-07	463342.2	3775674.7	421.7	3.70	1.67	2.89 YES
L0041596	0	0.63490E-07	463345.8	3775674.7	421.7	3.70	1.67	2.89 YES
L0041597	0	0.63490E-07	463349.4	3775674.7	421.7	3.70	1.67	2.89 YES

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 L0041598         0   0.63490E-07  463353.0 3775674.6   421.7     3.70     1.67
2.89     YES
 L0041599         0   0.63490E-07  463356.6 3775674.6   421.6     3.70     1.67
2.89     YES
 L0041600         0   0.63490E-07  463360.2 3775674.6   421.6     3.70     1.67
2.89     YES
 L0041601         0   0.63490E-07  463363.8 3775674.6   421.6     3.70     1.67
2.89     YES
 L0041602         0   0.63490E-07  463367.4 3775674.5   421.6     3.70     1.67
2.89     YES
 L0041603         0   0.63490E-07  463371.0 3775674.5   421.6     3.70     1.67
2.89     YES
 L0041604         0   0.63490E-07  463374.6 3775674.5   421.5     3.70     1.67
2.89     YES
 L0041605         0   0.63490E-07  463378.2 3775674.5   421.5     3.70     1.67
2.89     YES
 L0041606         0   0.63490E-07  463381.8 3775674.5   421.5     3.70     1.67
2.89     YES
 L0041607         0   0.63490E-07  463385.4 3775674.4   421.5     3.70     1.67
2.89     YES
 L0041608         0   0.63490E-07  463389.0 3775674.4   421.4     3.70     1.67
2.89     YES
 L0041609         0   0.63490E-07  463392.6 3775674.4   421.4     3.70     1.67
2.89     YES
 L0041610         0   0.63490E-07  463396.2 3775674.4   421.4     3.70     1.67
2.89     YES
 L0041611         0   0.63490E-07  463399.8 3775674.3   421.4     3.70     1.67
2.89     YES
 L0041612         0   0.63490E-07  463403.4 3775674.3   421.3     3.70     1.67
2.89     YES
 L0041613         0   0.63490E-07  463407.0 3775674.3   421.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041614	0	0.63490E-07	463410.6	3775674.3	421.3	3.70	1.67	2.89 YES
L0041615	0	0.63490E-07	463414.2	3775674.3	421.2	3.70	1.67	2.89 YES
L0041616	0	0.63490E-07	463417.8	3775674.2	421.2	3.70	1.67	2.89 YES
L0041617	0	0.63490E-07	463421.4	3775674.2	421.2	3.70	1.67	2.89 YES
L0041618	0	0.63490E-07	463425.0	3775674.2	421.2	3.70	1.67	2.89 YES
L0041619	0	0.63490E-07	463428.6	3775674.2	421.2	3.70	1.67	2.89 YES
L0041620	0	0.63490E-07	463432.2	3775674.1	421.1	3.70	1.67	2.89 YES
L0041621	0	0.63490E-07	463435.8	3775674.1	421.1	3.70	1.67	2.89 YES
L0041622	0	0.63490E-07	463439.4	3775674.1	421.1	3.70	1.67	2.89 YES
L0041623	0	0.63490E-07	463443.0	3775674.1	421.1	3.70	1.67	2.89 YES
L0041624	0	0.63490E-07	463446.6	3775674.1	421.1	3.70	1.67	2.89 YES
L0041625	0	0.63490E-07	463450.2	3775674.0	421.0	3.70	1.67	2.89 YES
L0041626	0	0.63490E-07	463453.8	3775674.0	421.0	3.70	1.67	2.89 YES
L0041627	0	0.63490E-07	463457.4	3775674.0	421.0	3.70	1.67	2.89 YES
L0041628	0	0.63490E-07	463461.0	3775674.0	421.0	3.70	1.67	2.89 YES
L0041629	0	0.63490E-07	463464.6	3775673.9	421.0	3.70	1.67	2.89 YES
L0041630	0	0.63490E-07	463468.2	3775673.9	420.9	3.70	1.67	2.89 YES
L0041631	0	0.63490E-07	463471.8	3775673.9	420.9	3.70	1.67	2.89 YES
L0041632	0	0.63490E-07	463475.4	3775673.9	420.9	3.70	1.67	2.89 YES
L0041633	0	0.63490E-07	463479.0	3775673.9	420.9	3.70	1.67	2.89 YES
L0041634	0	0.63490E-07	463482.6	3775673.8	420.9	3.70	1.67	2.89 YES
L0041635	0	0.63490E-07	463486.2	3775673.8	420.9	3.70	1.67	2.89 YES
L0041636	0	0.63490E-07	463489.8	3775673.8	420.8	3.70	1.67	2.89 YES
L0041637	0	0.63490E-07	463493.4	3775673.8	420.8	3.70	1.67	2.89 YES

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 L0041638         0   0.63490E-07  463497.0 3775673.8   420.8     3.70     1.67
2.89     YES
 L0041639         0   0.63490E-07  463500.6 3775673.7   420.8     3.70     1.67
2.89     YES
 L0041640         0   0.63490E-07  463504.2 3775673.7   420.8     3.70     1.67
2.89     YES
 L0041641         0   0.63490E-07  463507.8 3775673.7   420.8     3.70     1.67
2.89     YES
 L0041642         0   0.63490E-07  463511.4 3775673.7   420.8     3.70     1.67
2.89     YES
 L0041643         0   0.63490E-07  463515.0 3775673.6   420.7     3.70     1.67
2.89     YES
 L0041644         0   0.63490E-07  463518.6 3775673.6   420.7     3.70     1.67
2.89     YES
 L0041645         0   0.63490E-07  463522.2 3775673.6   420.7     3.70     1.67
2.89     YES
 L0041646         0   0.63490E-07  463525.8 3775673.6   420.7     3.70     1.67
2.89     YES
 L0041647         0   0.63490E-07  463529.4 3775673.6   420.6     3.70     1.67
2.89     YES
 L0041648         0   0.63490E-07  463533.0 3775673.5   420.6     3.70     1.67
2.89     YES
 L0041649         0   0.63490E-07  463536.6 3775673.5   420.6     3.70     1.67
2.89     YES
 L0041650         0   0.63490E-07  463540.2 3775673.5   420.6     3.70     1.67
2.89     YES
 L0041651         0   0.63490E-07  463543.8 3775673.5   420.6     3.70     1.67
2.89     YES
 L0041652         0   0.63490E-07  463547.4 3775673.5   420.5     3.70     1.67
2.89     YES
 L0041653         0   0.63490E-07  463551.0 3775673.5   420.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041654	0	0.63490E-07	463554.6	3775673.5	420.5	3.70	1.67	2.89 YES
L0041655	0	0.63490E-07	463558.2	3775673.5	420.5	3.70	1.67	2.89 YES
L0041656	0	0.63490E-07	463561.8	3775673.5	420.5	3.70	1.67	2.89 YES
L0041657	0	0.63490E-07	463565.4	3775673.5	420.4	3.70	1.67	2.89 YES
L0041658	0	0.63490E-07	463569.0	3775673.5	420.4	3.70	1.67	2.89 YES
L0041659	0	0.63490E-07	463572.6	3775673.5	420.4	3.70	1.67	2.89 YES
L0041660	0	0.63490E-07	463576.2	3775673.5	420.4	3.70	1.67	2.89 YES
L0041661	0	0.63490E-07	463579.8	3775673.5	420.4	3.70	1.67	2.89 YES
L0041662	0	0.63490E-07	463583.4	3775673.5	420.4	3.70	1.67	2.89 YES
L0041663	0	0.63490E-07	463587.0	3775673.5	420.3	3.70	1.67	2.89 YES
L0041664	0	0.63490E-07	463590.6	3775673.5	420.3	3.70	1.67	2.89 YES
L0041665	0	0.63490E-07	463594.2	3775673.5	420.3	3.70	1.67	2.89 YES
L0041666	0	0.63490E-07	463597.8	3775673.5	420.3	3.70	1.67	2.89 YES
L0041667	0	0.63490E-07	463601.4	3775673.5	420.2	3.70	1.67	2.89 YES
L0041668	0	0.63490E-07	463605.0	3775673.6	420.2	3.70	1.67	2.89 YES
L0041669	0	0.63490E-07	463608.6	3775673.6	420.2	3.70	1.67	2.89 YES
L0041670	0	0.63490E-07	463612.2	3775673.6	420.2	3.70	1.67	2.89 YES
L0041671	0	0.63490E-07	463615.8	3775673.6	420.2	3.70	1.67	2.89 YES
L0041672	0	0.63490E-07	463619.4	3775673.6	420.1	3.70	1.67	2.89 YES
L0041673	0	0.63490E-07	463623.0	3775673.6	420.1	3.70	1.67	2.89 YES
L0041674	0	0.63490E-07	463626.6	3775673.6	420.0	3.70	1.67	2.89 YES
L0041675	0	0.63490E-07	463630.2	3775673.6	420.0	3.70	1.67	2.89 YES
L0041676	0	0.63490E-07	463633.8	3775673.6	420.0	3.70	1.67	2.89 YES
L0041677	0	0.63490E-07	463637.4	3775673.6	419.9	3.70	1.67	2.89 YES

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 L0041678         0   0.63490E-07  463641.0 3775673.6   419.9     3.70     1.67
2.89     YES
 L0041679         0   0.63490E-07  463644.6 3775673.6   419.9     3.70     1.67
2.89     YES
 L0041680         0   0.63490E-07  463648.2 3775673.6   419.9     3.70     1.67
2.89     YES
 L0041681         0   0.63490E-07  463651.8 3775673.6   419.8     3.70     1.67
2.89     YES
 L0041682         0   0.63490E-07  463655.4 3775673.6   419.8     3.70     1.67
2.89     YES
 L0041683         0   0.63490E-07  463659.0 3775673.6   419.8     3.70     1.67
2.89     YES
 L0041684         0   0.63490E-07  463662.6 3775673.6   419.7     3.70     1.67
2.89     YES
 L0041685         0   0.63490E-07  463666.2 3775673.7   419.7     3.70     1.67
2.89     YES
 L0041686         0   0.63490E-07  463669.8 3775673.7   419.7     3.70     1.67
2.89     YES
 L0041687         0   0.63490E-07  463673.4 3775673.7   419.7     3.70     1.67
2.89     YES
 L0041688         0   0.63490E-07  463677.0 3775673.7   419.6     3.70     1.67
2.89     YES
 L0041689         0   0.63490E-07  463680.6 3775673.7   419.6     3.70     1.67
2.89     YES
 L0041690         0   0.63490E-07  463684.2 3775673.6   419.6     3.70     1.67
2.89     YES
 L0041691         0   0.63490E-07  463687.8 3775673.6   419.5     3.70     1.67
2.89     YES
 L0041692         0   0.63490E-07  463691.4 3775673.6   419.5     3.70     1.67
2.89     YES
 L0041693         0   0.63490E-07  463695.0 3775673.6   419.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041694	0	0.63490E-07	463698.6	3775673.6	419.5	3.70	1.67	2.89	YES
L0041695	0	0.63490E-07	463702.2	3775673.6	419.4	3.70	1.67	2.89	YES
L0041696	0	0.63490E-07	463705.8	3775673.6	419.4	3.70	1.67	2.89	YES
L0041697	0	0.63490E-07	463709.4	3775673.6	419.4	3.70	1.67	2.89	YES
L0041698	0	0.63490E-07	463713.0	3775673.5	419.4	3.70	1.67	2.89	YES
L0041699	0	0.63490E-07	463716.6	3775673.5	419.3	3.70	1.67	2.89	YES
L0041700	0	0.63490E-07	463720.2	3775673.5	419.3	3.70	1.67	2.89	YES
L0041701	0	0.63490E-07	463723.8	3775673.5	419.3	3.70	1.67	2.89	YES
L0041702	0	0.63490E-07	463727.4	3775673.5	419.3	3.70	1.67	2.89	YES
L0041703	0	0.63490E-07	463731.0	3775673.5	419.3	3.70	1.67	2.89	YES
L0041704	0	0.63490E-07	463734.6	3775673.5	419.2	3.70	1.67	2.89	YES
L0041705	0	0.63490E-07	463738.2	3775673.5	419.2	3.70	1.67	2.89	YES
L0041706	0	0.63490E-07	463741.8	3775673.4	419.2	3.70	1.67	2.89	YES
L0041707	0	0.63490E-07	463745.4	3775673.4	419.2	3.70	1.67	2.89	YES
L0041708	0	0.63490E-07	463749.0	3775673.4	419.2	3.70	1.67	2.89	YES
L0041709	0	0.63490E-07	463752.6	3775673.4	419.2	3.70	1.67	2.89	YES
L0041710	0	0.63490E-07	463756.2	3775673.4	419.1	3.70	1.67	2.89	YES
L0041711	0	0.63490E-07	463759.8	3775673.4	419.1	3.70	1.67	2.89	YES
L0041712	0	0.63490E-07	463763.4	3775673.4	419.1	3.70	1.67	2.89	YES
L0041713	0	0.63490E-07	463767.0	3775673.4	419.1	3.70	1.67	2.89	YES
L0041714	0	0.63490E-07	463770.6	3775673.4	419.0	3.70	1.67	2.89	YES
L0041715	0	0.63490E-07	463774.2	3775673.3	419.0	3.70	1.67	2.89	YES
L0041716	0	0.63490E-07	463777.8	3775673.3	419.0	3.70	1.67	2.89	YES
L0041717	0	0.63490E-07	463781.4	3775673.3	419.0	3.70	1.67	2.89	YES

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 L0041718         0   0.63490E-07  463785.0 3775673.3   418.9     3.70     1.67
2.89     YES
 L0041719         0   0.63490E-07  463788.6 3775673.3   418.9     3.70     1.67
2.89     YES
 L0041720         0   0.63490E-07  463792.2 3775673.3   418.9     3.70     1.67
2.89     YES
 L0041721         0   0.63490E-07  463795.8 3775673.3   418.9     3.70     1.67
2.89     YES
 L0041722         0   0.63490E-07  463799.4 3775673.3   418.8     3.70     1.67
2.89     YES
 L0041723         0   0.63490E-07  463803.0 3775673.2   418.8     3.70     1.67
2.89     YES
 L0041724         0   0.63490E-07  463806.6 3775673.2   418.8     3.70     1.67
2.89     YES
 L0041725         0   0.63490E-07  463810.2 3775673.2   418.8     3.70     1.67
2.89     YES
 L0041726         0   0.63490E-07  463813.8 3775673.2   418.8     3.70     1.67
2.89     YES
 L0041727         0   0.63490E-07  463817.4 3775673.2   418.7     3.70     1.67
2.89     YES
 L0041728         0   0.63490E-07  463821.0 3775673.2   418.7     3.70     1.67
2.89     YES
 L0041729         0   0.63490E-07  463824.6 3775673.2   418.7     3.70     1.67
2.89     YES
 L0041730         0   0.63490E-07  463828.2 3775673.2   418.7     3.70     1.67
2.89     YES
 L0041731         0   0.63490E-07  463831.8 3775673.1   418.7     3.70     1.67
2.89     YES
 L0041732         0   0.63490E-07  463835.4 3775673.1   418.7     3.70     1.67
2.89     YES
 L0041733         0   0.63490E-07  463839.0 3775673.1   418.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041734	0	0.63490E-07	463842.6	3775673.1	418.7	3.70	1.67	2.89	YES
L0041735	0	0.63490E-07	463846.2	3775673.1	418.7	3.70	1.67	2.89	YES
L0041736	0	0.63490E-07	463849.8	3775673.1	418.7	3.70	1.67	2.89	YES
L0041737	0	0.63490E-07	463853.4	3775673.1	418.7	3.70	1.67	2.89	YES
L0041738	0	0.63490E-07	463857.0	3775673.1	418.6	3.70	1.67	2.89	YES
L0041739	0	0.63490E-07	463860.6	3775673.1	418.6	3.70	1.67	2.89	YES
L0041740	0	0.63490E-07	463864.2	3775673.0	418.6	3.70	1.67	2.89	YES
L0041741	0	0.63490E-07	463867.8	3775673.0	418.6	3.70	1.67	2.89	YES
L0041742	0	0.63490E-07	463871.4	3775673.0	418.5	3.70	1.67	2.89	YES
L0041743	0	0.63490E-07	463875.0	3775673.0	418.5	3.70	1.67	2.89	YES
L0041744	0	0.63490E-07	463878.6	3775673.0	418.5	3.70	1.67	2.89	YES
L0041745	0	0.63490E-07	463882.2	3775673.0	418.5	3.70	1.67	2.89	YES
L0041746	0	0.63490E-07	463885.8	3775673.0	418.5	3.70	1.67	2.89	YES
L0041747	0	0.63490E-07	463889.4	3775673.0	418.4	3.70	1.67	2.89	YES
L0041748	0	0.63490E-07	463893.0	3775672.9	418.4	3.70	1.67	2.89	YES
L0041749	0	0.63490E-07	463896.6	3775672.9	418.4	3.70	1.67	2.89	YES
L0041750	0	0.63490E-07	463900.2	3775672.9	418.4	3.70	1.67	2.89	YES
L0041751	0	0.63490E-07	463903.8	3775672.9	418.3	3.70	1.67	2.89	YES
L0041752	0	0.63490E-07	463907.4	3775672.9	418.3	3.70	1.67	2.89	YES
L0041753	0	0.63490E-07	463911.0	3775672.9	418.2	3.70	1.67	2.89	YES
L0041754	0	0.63490E-07	463914.6	3775672.9	418.2	3.70	1.67	2.89	YES
L0041755	0	0.63490E-07	463918.2	3775672.9	418.2	3.70	1.67	2.89	YES
L0041756	0	0.63490E-07	463921.8	3775672.8	418.1	3.70	1.67	2.89	YES
L0041757	0	0.63490E-07	463925.4	3775672.8	418.1	3.70	1.67	2.89	YES

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 L0041758         0   0.63490E-07  463929.0 3775672.8   418.1     3.70     1.67
2.89     YES
 L0041759         0   0.63490E-07  463932.6 3775672.8   418.0     3.70     1.67
2.89     YES
 L0041760         0   0.63490E-07  463936.2 3775672.8   418.0     3.70     1.67
2.89     YES
 L0041761         0   0.63490E-07  463939.8 3775672.8   417.9     3.70     1.67
2.89     YES
 L0041762         0   0.63490E-07  463943.4 3775672.8   417.9     3.70     1.67
2.89     YES
 L0041763         0   0.63490E-07  463947.0 3775672.8   417.9     3.70     1.67
2.89     YES
 L0041764         0   0.63490E-07  463950.6 3775672.8   417.8     3.70     1.67
2.89     YES
 L0041765         0   0.63490E-07  463954.2 3775672.7   417.8     3.70     1.67
2.89     YES
 L0041766         0   0.63490E-07  463957.8 3775672.7   417.8     3.70     1.67
2.89     YES
 L0041767         0   0.63490E-07  463961.4 3775672.7   417.8     3.70     1.67
2.89     YES
 L0041768         0   0.63490E-07  463965.0 3775672.7   417.8     3.70     1.67
2.89     YES
 L0041769         0   0.63490E-07  463968.6 3775672.7   417.8     3.70     1.67
2.89     YES
 L0041770         0   0.63490E-07  463972.2 3775672.7   417.7     3.70     1.67
2.89     YES
 L0041771         0   0.63490E-07  463975.8 3775672.7   417.7     3.70     1.67
2.89     YES
 L0041772         0   0.63490E-07  463979.4 3775672.7   417.7     3.70     1.67
2.89     YES
 L0041773         0   0.63490E-07  463983.0 3775672.6   417.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041774	0	0.63490E-07	463986.6	3775672.6	417.7	3.70	1.67	2.89 YES
L0041775	0	0.63490E-07	463990.2	3775672.6	417.7	3.70	1.67	2.89 YES
L0041776	0	0.63490E-07	463993.8	3775672.6	417.7	3.70	1.67	2.89 YES
L0041777	0	0.63490E-07	463997.4	3775672.6	417.7	3.70	1.67	2.89 YES
L0041778	0	0.63490E-07	464001.0	3775672.6	417.6	3.70	1.67	2.89 YES
L0041779	0	0.63490E-07	464004.6	3775672.6	417.6	3.70	1.67	2.89 YES
L0041780	0	0.63490E-07	464008.2	3775672.6	417.6	3.70	1.67	2.89 YES
L0041781	0	0.63490E-07	464011.8	3775672.5	417.6	3.70	1.67	2.89 YES
L0041782	0	0.63490E-07	464015.4	3775672.5	417.6	3.70	1.67	2.89 YES
L0041783	0	0.63490E-07	464019.0	3775672.5	417.6	3.70	1.67	2.89 YES
L0041784	0	0.63490E-07	464022.6	3775672.5	417.6	3.70	1.67	2.89 YES
L0041785	0	0.63490E-07	464026.2	3775672.5	417.5	3.70	1.67	2.89 YES
L0041786	0	0.63490E-07	464029.8	3775672.5	417.5	3.70	1.67	2.89 YES
L0041787	0	0.63490E-07	464033.4	3775672.5	417.5	3.70	1.67	2.89 YES
L0041788	0	0.63490E-07	464037.0	3775672.5	417.5	3.70	1.67	2.89 YES
L0041789	0	0.63490E-07	464040.6	3775672.5	417.5	3.70	1.67	2.89 YES
L0041790	0	0.63490E-07	464042.8	3775673.9	417.5	3.70	1.67	2.89 YES
L0041791	0	0.63490E-07	464042.9	3775677.5	417.6	3.70	1.67	2.89 YES
L0041792	0	0.63490E-07	464043.0	3775681.1	417.7	3.70	1.67	2.89 YES
L0041793	0	0.63550E-07	464038.8	3775681.0	417.8	3.70	1.67	2.89 YES
L0041794	0	0.63550E-07	464035.2	3775681.0	417.8	3.70	1.67	2.89 YES
L0041795	0	0.63550E-07	464031.6	3775681.0	417.8	3.70	1.67	2.89 YES
L0041796	0	0.63550E-07	464028.0	3775681.0	417.8	3.70	1.67	2.89 YES
L0041797	0	0.63550E-07	464024.4	3775681.1	417.8	3.70	1.67	2.89 YES

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 L0041798         0   0.63550E-07  464020.8 3775681.1   417.8     3.70     1.67
2.89     YES
 L0041799         0   0.63550E-07  464017.2 3775681.1   417.8     3.70     1.67
2.89     YES
 L0041800         0   0.63550E-07  464013.6 3775681.2   417.8     3.70     1.67
2.89     YES
 L0041801         0   0.63550E-07  464010.0 3775681.2   417.8     3.70     1.67
2.89     YES
 L0041802         0   0.63550E-07  464006.4 3775681.2   417.8     3.70     1.67
2.89     YES
 L0041803         0   0.63550E-07  464002.8 3775681.2   417.8     3.70     1.67
2.89     YES
 L0041804         0   0.63550E-07  463999.2 3775681.3   417.9     3.70     1.67
2.89     YES
 L0041805         0   0.63550E-07  463995.6 3775681.3   417.9     3.70     1.67
2.89     YES
 L0041806         0   0.63550E-07  463992.0 3775681.3   417.9     3.70     1.67
2.89     YES
 L0041807         0   0.63550E-07  463988.4 3775681.3   417.9     3.70     1.67
2.89     YES
 L0041808         0   0.63550E-07  463984.8 3775681.4   417.9     3.70     1.67
2.89     YES
 L0041809         0   0.63550E-07  463981.2 3775681.4   417.9     3.70     1.67
2.89     YES
 L0041810         0   0.63550E-07  463977.6 3775681.4   417.9     3.70     1.67
2.89     YES
 L0041811         0   0.63550E-07  463974.0 3775681.4   417.9     3.70     1.67
2.89     YES
 L0041812         0   0.63550E-07  463970.4 3775681.5   417.9     3.70     1.67
2.89     YES
 L0041813         0   0.63550E-07  463966.8 3775681.5   417.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041814	0	0.63550E-07	463963.2	3775681.5	417.9	3.70	1.67	2.89 YES
L0041815	0	0.63550E-07	463959.6	3775681.6	417.9	3.70	1.67	2.89 YES
L0041816	0	0.63550E-07	463956.0	3775681.6	417.9	3.70	1.67	2.89 YES
L0041817	0	0.63550E-07	463952.4	3775681.6	417.9	3.70	1.67	2.89 YES
L0041818	0	0.63550E-07	463948.8	3775681.6	417.9	3.70	1.67	2.89 YES
L0041819	0	0.63550E-07	463945.2	3775681.7	417.9	3.70	1.67	2.89 YES
L0041820	0	0.63550E-07	463941.6	3775681.7	418.0	3.70	1.67	2.89 YES
L0041821	0	0.63550E-07	463938.0	3775681.7	418.0	3.70	1.67	2.89 YES
L0041822	0	0.63550E-07	463934.4	3775681.7	418.1	3.70	1.67	2.89 YES
L0041823	0	0.63550E-07	463930.8	3775681.8	418.1	3.70	1.67	2.89 YES
L0041824	0	0.63550E-07	463927.2	3775681.8	418.1	3.70	1.67	2.89 YES
L0041825	0	0.63550E-07	463923.6	3775681.8	418.2	3.70	1.67	2.89 YES
L0041826	0	0.63550E-07	463920.0	3775681.8	418.2	3.70	1.67	2.89 YES
L0041827	0	0.63550E-07	463916.4	3775681.9	418.3	3.70	1.67	2.89 YES
L0041828	0	0.63550E-07	463912.8	3775681.9	418.3	3.70	1.67	2.89 YES
L0041829	0	0.63550E-07	463909.2	3775681.9	418.4	3.70	1.67	2.89 YES
L0041830	0	0.63550E-07	463905.6	3775682.0	418.4	3.70	1.67	2.89 YES
L0041831	0	0.63550E-07	463902.0	3775682.0	418.4	3.70	1.67	2.89 YES
L0041832	0	0.63550E-07	463898.4	3775682.0	418.5	3.70	1.67	2.89 YES
L0041833	0	0.63550E-07	463894.8	3775682.1	418.6	3.70	1.67	2.89 YES
L0041834	0	0.63550E-07	463891.2	3775682.1	418.6	3.70	1.67	2.89 YES
L0041835	0	0.63550E-07	463887.6	3775682.1	418.6	3.70	1.67	2.89 YES
L0041836	0	0.63550E-07	463884.0	3775682.2	418.6	3.70	1.67	2.89 YES
L0041837	0	0.63550E-07	463880.4	3775682.2	418.7	3.70	1.67	2.89 YES

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 L0041838         0   0.63550E-07  463876.8 3775682.2   418.7     3.70     1.67
2.89     YES
 L0041839         0   0.63550E-07  463873.2 3775682.3   418.7     3.70     1.67
2.89     YES
 L0041840         0   0.63550E-07  463869.6 3775682.3   418.7     3.70     1.67
2.89     YES
 L0041841         0   0.63550E-07  463866.0 3775682.4   418.7     3.70     1.67
2.89     YES
 L0041842         0   0.63550E-07  463862.4 3775682.4   418.8     3.70     1.67
2.89     YES
 L0041843         0   0.63550E-07  463858.8 3775682.4   418.8     3.70     1.67
2.89     YES
 L0041844         0   0.63550E-07  463855.2 3775682.5   418.8     3.70     1.67
2.89     YES
 L0041845         0   0.63550E-07  463851.6 3775682.5   418.8     3.70     1.67
2.89     YES
 L0041846         0   0.63550E-07  463848.0 3775682.5   418.9     3.70     1.67
2.89     YES
 L0041847         0   0.63550E-07  463844.4 3775682.6   418.9     3.70     1.67
2.89     YES
 L0041848         0   0.63550E-07  463840.8 3775682.6   418.9     3.70     1.67
2.89     YES
 L0041849         0   0.63550E-07  463837.2 3775682.6   418.9     3.70     1.67
2.89     YES
 L0041850         0   0.63550E-07  463833.6 3775682.7   418.9     3.70     1.67
2.89     YES
 L0041851         0   0.63550E-07  463830.0 3775682.7   418.9     3.70     1.67
2.89     YES
 L0041852         0   0.63550E-07  463826.4 3775682.7   418.9     3.70     1.67
2.89     YES
 L0041853         0   0.63550E-07  463822.8 3775682.8   418.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041854	0	0.63550E-07	463819.2	3775682.8	418.9	3.70	1.67	2.89 YES
L0041855	0	0.63550E-07	463815.6	3775682.9	418.9	3.70	1.67	2.89 YES
L0041856	0	0.63550E-07	463812.0	3775682.9	418.9	3.70	1.67	2.89 YES
L0041857	0	0.63550E-07	463808.4	3775682.9	418.9	3.70	1.67	2.89 YES
L0041858	0	0.63550E-07	463804.8	3775683.0	419.0	3.70	1.67	2.89 YES
L0041859	0	0.63550E-07	463801.2	3775683.0	419.0	3.70	1.67	2.89 YES
L0041860	0	0.63550E-07	463797.6	3775683.0	419.0	3.70	1.67	2.89 YES
L0041861	0	0.63550E-07	463794.0	3775683.1	419.0	3.70	1.67	2.89 YES
L0041862	0	0.63550E-07	463790.4	3775683.1	419.1	3.70	1.67	2.89 YES
L0041863	0	0.63550E-07	463786.8	3775683.1	419.1	3.70	1.67	2.89 YES
L0041864	0	0.63550E-07	463783.2	3775683.2	419.1	3.70	1.67	2.89 YES
L0041865	0	0.63550E-07	463779.6	3775683.2	419.2	3.70	1.67	2.89 YES
L0041866	0	0.63550E-07	463776.0	3775683.2	419.2	3.70	1.67	2.89 YES
L0041867	0	0.63550E-07	463772.4	3775683.3	419.2	3.70	1.67	2.89 YES
L0041868	0	0.63550E-07	463768.8	3775683.3	419.3	3.70	1.67	2.89 YES
L0041869	0	0.63550E-07	463765.2	3775683.3	419.3	3.70	1.67	2.89 YES
L0041870	0	0.63550E-07	463761.6	3775683.4	419.3	3.70	1.67	2.89 YES
L0041871	0	0.63550E-07	463758.0	3775683.4	419.3	3.70	1.67	2.89 YES
L0041872	0	0.63550E-07	463754.4	3775683.5	419.4	3.70	1.67	2.89 YES
L0041873	0	0.63550E-07	463750.8	3775683.5	419.4	3.70	1.67	2.89 YES
L0041874	0	0.63550E-07	463747.2	3775683.5	419.4	3.70	1.67	2.89 YES
L0041875	0	0.63550E-07	463743.6	3775683.6	419.4	3.70	1.67	2.89 YES
L0041876	0	0.63550E-07	463740.0	3775683.6	419.4	3.70	1.67	2.89 YES
L0041877	0	0.63550E-07	463736.4	3775683.6	419.4	3.70	1.67	2.89 YES

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 L0041878         0   0.63550E-07  463732.8 3775683.7   419.4     3.70     1.67
2.89     YES
 L0041879         0   0.63550E-07  463729.2 3775683.7   419.4     3.70     1.67
2.89     YES
 L0041880         0   0.63550E-07  463725.6 3775683.7   419.5     3.70     1.67
2.89     YES
 L0041881         0   0.63550E-07  463722.0 3775683.8   419.5     3.70     1.67
2.89     YES
 L0041882         0   0.63550E-07  463718.4 3775683.8   419.5     3.70     1.67
2.89     YES
 L0041883         0   0.63550E-07  463714.8 3775683.8   419.5     3.70     1.67
2.89     YES
 L0041884         0   0.63550E-07  463711.2 3775683.9   419.5     3.70     1.67
2.89     YES
 L0041885         0   0.63550E-07  463707.6 3775683.9   419.5     3.70     1.67
2.89     YES
 L0041886         0   0.63550E-07  463704.0 3775684.0   419.6     3.70     1.67
2.89     YES
 L0041887         0   0.63550E-07  463700.4 3775684.0   419.6     3.70     1.67
2.89     YES
 L0041888         0   0.63550E-07  463696.8 3775684.0   419.6     3.70     1.67
2.89     YES
 L0041889         0   0.63550E-07  463693.2 3775684.1   419.6     3.70     1.67
2.89     YES
 L0041890         0   0.63550E-07  463689.6 3775684.1   419.6     3.70     1.67
2.89     YES
 L0041891         0   0.63550E-07  463686.0 3775684.1   419.7     3.70     1.67
2.89     YES
 L0041892         0   0.63550E-07  463682.4 3775684.2   419.7     3.70     1.67
2.89     YES
 L0041893         0   0.63550E-07  463678.8 3775684.2   419.7     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041894	0	0.63550E-07	463675.2	3775684.2	419.7	3.70	1.67	2.89 YES
L0041895	0	0.63550E-07	463671.6	3775684.2	419.7	3.70	1.67	2.89 YES
L0041896	0	0.63550E-07	463668.0	3775684.3	419.8	3.70	1.67	2.89 YES
L0041897	0	0.63550E-07	463664.4	3775684.3	419.8	3.70	1.67	2.89 YES
L0041898	0	0.63550E-07	463660.8	3775684.3	419.8	3.70	1.67	2.89 YES
L0041899	0	0.63550E-07	463657.2	3775684.3	419.9	3.70	1.67	2.89 YES
L0041900	0	0.63550E-07	463653.6	3775684.3	419.9	3.70	1.67	2.89 YES
L0041901	0	0.63550E-07	463650.0	3775684.3	419.9	3.70	1.67	2.89 YES
L0041902	0	0.63550E-07	463646.4	3775684.4	419.9	3.70	1.67	2.89 YES
L0041903	0	0.63550E-07	463642.8	3775684.4	420.0	3.70	1.67	2.89 YES
L0041904	0	0.63550E-07	463639.2	3775684.4	420.0	3.70	1.67	2.89 YES
L0041905	0	0.63550E-07	463635.6	3775684.4	420.1	3.70	1.67	2.89 YES
L0041906	0	0.63550E-07	463632.0	3775684.4	420.1	3.70	1.67	2.89 YES
L0041907	0	0.63550E-07	463628.4	3775684.5	420.2	3.70	1.67	2.89 YES
L0041908	0	0.63550E-07	463624.8	3775684.5	420.2	3.70	1.67	2.89 YES
L0041909	0	0.63550E-07	463621.2	3775684.5	420.2	3.70	1.67	2.89 YES
L0041910	0	0.63550E-07	463617.6	3775684.5	420.3	3.70	1.67	2.89 YES
L0041911	0	0.63550E-07	463614.0	3775684.5	420.3	3.70	1.67	2.89 YES
L0041912	0	0.63550E-07	463610.4	3775684.5	420.4	3.70	1.67	2.89 YES
L0041913	0	0.63550E-07	463606.8	3775684.6	420.4	3.70	1.67	2.89 YES
L0041914	0	0.63550E-07	463603.2	3775684.6	420.4	3.70	1.67	2.89 YES
L0041915	0	0.63550E-07	463599.6	3775684.6	420.4	3.70	1.67	2.89 YES
L0041916	0	0.63550E-07	463596.0	3775684.6	420.4	3.70	1.67	2.89 YES
L0041917	0	0.63550E-07	463592.4	3775684.6	420.4	3.70	1.67	2.89 YES

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 L0041918         0   0.63550E-07  463588.8 3775684.6   420.5     3.70     1.67
2.89     YES
 L0041919         0   0.63550E-07  463585.2 3775684.7   420.5     3.70     1.67
2.89     YES
 L0041920         0   0.63550E-07  463581.6 3775684.7   420.5     3.70     1.67
2.89     YES
 L0041921         0   0.63550E-07  463578.0 3775684.7   420.5     3.70     1.67
2.89     YES
 L0041922         0   0.63550E-07  463574.4 3775684.7   420.5     3.70     1.67
2.89     YES
 L0041923         0   0.63550E-07  463570.8 3775684.7   420.6     3.70     1.67
2.89     YES
 L0041924         0   0.63550E-07  463567.2 3775684.8   420.6     3.70     1.67
2.89     YES
 L0041925         0   0.63550E-07  463563.6 3775684.8   420.6     3.70     1.67
2.89     YES
 L0041926         0   0.63550E-07  463560.0 3775684.8   420.6     3.70     1.67
2.89     YES
 L0041927         0   0.63550E-07  463556.4 3775684.8   420.7     3.70     1.67
2.89     YES
 L0041928         0   0.63550E-07  463552.8 3775684.8   420.7     3.70     1.67
2.89     YES
 L0041929         0   0.63550E-07  463549.2 3775684.8   420.7     3.70     1.67
2.89     YES
 L0041930         0   0.63550E-07  463545.6 3775684.9   420.7     3.70     1.67
2.89     YES
 L0041931         0   0.63550E-07  463542.0 3775684.9   420.8     3.70     1.67
2.89     YES
 L0041932         0   0.63550E-07  463538.4 3775684.9   420.8     3.70     1.67
2.89     YES
 L0041933         0   0.63550E-07  463534.8 3775684.9   420.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041934	0	0.63550E-07	463531.2	3775684.9	420.8	3.70	1.67	2.89 YES
L0041935	0	0.63550E-07	463527.6	3775684.9	420.9	3.70	1.67	2.89 YES
L0041936	0	0.63550E-07	463524.0	3775685.0	420.9	3.70	1.67	2.89 YES
L0041937	0	0.63550E-07	463520.4	3775685.0	420.9	3.70	1.67	2.89 YES
L0041938	0	0.63550E-07	463516.8	3775685.0	420.9	3.70	1.67	2.89 YES
L0041939	0	0.63550E-07	463513.2	3775685.0	421.0	3.70	1.67	2.89 YES
L0041940	0	0.63550E-07	463509.6	3775685.0	421.0	3.70	1.67	2.89 YES
L0041941	0	0.63550E-07	463506.0	3775685.1	421.0	3.70	1.67	2.89 YES
L0041942	0	0.63550E-07	463502.4	3775685.1	421.0	3.70	1.67	2.89 YES
L0041943	0	0.63550E-07	463498.8	3775685.1	421.0	3.70	1.67	2.89 YES
L0041944	0	0.63550E-07	463495.2	3775685.1	421.0	3.70	1.67	2.89 YES
L0041945	0	0.63550E-07	463491.6	3775685.1	421.0	3.70	1.67	2.89 YES
L0041946	0	0.63550E-07	463488.0	3775685.1	421.0	3.70	1.67	2.89 YES
L0041947	0	0.63550E-07	463484.4	3775685.2	421.0	3.70	1.67	2.89 YES
L0041948	0	0.63550E-07	463480.8	3775685.2	421.1	3.70	1.67	2.89 YES
L0041949	0	0.63550E-07	463477.2	3775685.2	421.1	3.70	1.67	2.89 YES
L0041950	0	0.63550E-07	463473.6	3775685.2	421.1	3.70	1.67	2.89 YES
L0041951	0	0.63550E-07	463470.0	3775685.2	421.1	3.70	1.67	2.89 YES
L0041952	0	0.63550E-07	463466.4	3775685.3	421.1	3.70	1.67	2.89 YES
L0041953	0	0.63550E-07	463462.8	3775685.3	421.1	3.70	1.67	2.89 YES
L0041954	0	0.63550E-07	463459.2	3775685.3	421.1	3.70	1.67	2.89 YES
L0041955	0	0.63550E-07	463455.6	3775685.3	421.2	3.70	1.67	2.89 YES
L0041956	0	0.63550E-07	463452.0	3775685.3	421.2	3.70	1.67	2.89 YES
L0041957	0	0.63550E-07	463448.4	3775685.3	421.2	3.70	1.67	2.89 YES

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 L0041958         0   0.63550E-07  463444.8 3775685.4   421.2     3.70     1.67
2.89     YES
 L0041959         0   0.63550E-07  463441.2 3775685.4   421.2     3.70     1.67
2.89     YES
 L0041960         0   0.63550E-07  463437.6 3775685.4   421.2     3.70     1.67
2.89     YES
 L0041961         0   0.63550E-07  463434.0 3775685.4   421.2     3.70     1.67
2.89     YES
 L0041962         0   0.63550E-07  463430.4 3775685.4   421.2     3.70     1.67
2.89     YES
 L0041963         0   0.63550E-07  463426.8 3775685.4   421.2     3.70     1.67
2.89     YES
 L0041964         0   0.63550E-07  463423.2 3775685.5   421.3     3.70     1.67
2.89     YES
 L0041965         0   0.63550E-07  463419.6 3775685.5   421.3     3.70     1.67
2.89     YES
 L0041966         0   0.63550E-07  463416.0 3775685.5   421.3     3.70     1.67
2.89     YES
 L0041967         0   0.63550E-07  463412.4 3775685.5   421.3     3.70     1.67
2.89     YES
 L0041968         0   0.63550E-07  463408.8 3775685.5   421.4     3.70     1.67
2.89     YES
 L0041969         0   0.63550E-07  463405.2 3775685.6   421.4     3.70     1.67
2.89     YES
 L0041970         0   0.63550E-07  463401.6 3775685.6   421.5     3.70     1.67
2.89     YES
 L0041971         0   0.63550E-07  463398.0 3775685.6   421.5     3.70     1.67
2.89     YES
 L0041972         0   0.63550E-07  463394.4 3775685.6   421.6     3.70     1.67
2.89     YES
 L0041973         0   0.63550E-07  463390.8 3775685.6   421.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0041974	0	0.63550E-07	463387.2	3775685.6	421.6	3.70	1.67	2.89 YES
L0041975	0	0.63550E-07	463383.6	3775685.7	421.7	3.70	1.67	2.89 YES
L0041976	0	0.63550E-07	463380.0	3775685.7	421.7	3.70	1.67	2.89 YES
L0041977	0	0.63550E-07	463376.4	3775685.7	421.7	3.70	1.67	2.89 YES
L0041978	0	0.63550E-07	463372.8	3775685.7	421.7	3.70	1.67	2.89 YES
L0041979	0	0.63550E-07	463369.2	3775685.7	421.8	3.70	1.67	2.89 YES
L0041980	0	0.63550E-07	463365.6	3775685.7	421.8	3.70	1.67	2.89 YES
L0041981	0	0.63550E-07	463362.0	3775685.8	421.8	3.70	1.67	2.89 YES
L0041982	0	0.63550E-07	463358.4	3775685.8	421.8	3.70	1.67	2.89 YES
L0041983	0	0.63550E-07	463354.8	3775685.8	421.8	3.70	1.67	2.89 YES
L0041984	0	0.63550E-07	463351.2	3775685.8	421.9	3.70	1.67	2.89 YES
L0041985	0	0.63550E-07	463347.6	3775685.8	421.9	3.70	1.67	2.89 YES
L0041986	0	0.63550E-07	463344.0	3775685.8	421.9	3.70	1.67	2.89 YES
L0041987	0	0.63550E-07	463340.4	3775685.8	422.0	3.70	1.67	2.89 YES
L0041988	0	0.63550E-07	463336.8	3775685.9	422.0	3.70	1.67	2.89 YES
L0041989	0	0.63550E-07	463333.2	3775685.9	422.0	3.70	1.67	2.89 YES
L0041990	0	0.63550E-07	463329.6	3775685.9	422.1	3.70	1.67	2.89 YES
L0041991	0	0.63550E-07	463326.0	3775685.9	422.1	3.70	1.67	2.89 YES
L0041992	0	0.63550E-07	463322.4	3775685.9	422.1	3.70	1.67	2.89 YES
L0041993	0	0.63550E-07	463318.8	3775685.9	422.1	3.70	1.67	2.89 YES
L0041994	0	0.63550E-07	463315.2	3775685.9	422.2	3.70	1.67	2.89 YES
L0041995	0	0.63550E-07	463311.6	3775686.0	422.2	3.70	1.67	2.89 YES
L0041996	0	0.63550E-07	463308.0	3775686.0	422.2	3.70	1.67	2.89 YES
L0041997	0	0.63550E-07	463304.4	3775686.0	422.2	3.70	1.67	2.89 YES

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 L0041998         0   0.63550E-07  463300.8 3775686.0   422.2     3.70     1.67
2.89     YES
 L0041999         0   0.63550E-07  463297.2 3775686.0   422.3     3.70     1.67
2.89     YES
 L0042000         0   0.63550E-07  463293.6 3775686.0   422.3     3.70     1.67
2.89     YES
 L0042001         0   0.63550E-07  463290.0 3775686.0   422.3     3.70     1.67
2.89     YES
 L0042002         0   0.63550E-07  463286.4 3775686.1   422.4     3.70     1.67
2.89     YES
 L0042003         0   0.63550E-07  463282.8 3775686.1   422.4     3.70     1.67
2.89     YES
 L0042004         0   0.63550E-07  463279.2 3775686.1   422.4     3.70     1.67
2.89     YES
 L0042005         0   0.63550E-07  463275.6 3775686.1   422.4     3.70     1.67
2.89     YES
 L0042006         0   0.63550E-07  463272.0 3775686.1   422.5     3.70     1.67
2.89     YES
 L0042007         0   0.63550E-07  463268.4 3775686.1   422.5     3.70     1.67
2.89     YES
 L0042008         0   0.63550E-07  463264.8 3775686.1   422.5     3.70     1.67
2.89     YES
 L0042009         0   0.63550E-07  463261.2 3775686.2   422.5     3.70     1.67
2.89     YES
 L0042010         0   0.63550E-07  463257.6 3775686.2   422.6     3.70     1.67
2.89     YES
 L0042011         0   0.63550E-07  463254.0 3775686.2   422.6     3.70     1.67
2.89     YES
 L0042012         0   0.63550E-07  463250.4 3775686.2   422.6     3.70     1.67
2.89     YES
 L0042013         0   0.63550E-07  463246.8 3775686.2   422.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042014	0	0.63550E-07	463243.2	3775686.2	422.7	3.70	1.67	2.89	YES
L0042015	0	0.63550E-07	463239.6	3775686.2	422.7	3.70	1.67	2.89	YES
L0042016	0	0.63550E-07	463236.0	3775686.3	422.7	3.70	1.67	2.89	YES
L0042017	0	0.63550E-07	463232.4	3775686.3	422.8	3.70	1.67	2.89	YES
L0042018	0	0.63550E-07	463228.8	3775686.3	422.8	3.70	1.67	2.89	YES
L0042019	0	0.63550E-07	463225.2	3775686.3	422.8	3.70	1.67	2.89	YES
L0042020	0	0.63550E-07	463221.6	3775686.3	422.8	3.70	1.67	2.89	YES
L0042021	0	0.63550E-07	463218.0	3775686.3	422.9	3.70	1.67	2.89	YES
L0042022	0	0.63550E-07	463214.4	3775686.3	422.9	3.70	1.67	2.89	YES
L0042023	0	0.63550E-07	463210.8	3775686.4	422.9	3.70	1.67	2.89	YES
L0042024	0	0.63550E-07	463207.2	3775686.4	422.9	3.70	1.67	2.89	YES
L0042025	0	0.63550E-07	463203.6	3775686.4	422.9	3.70	1.67	2.89	YES
L0042026	0	0.63550E-07	463200.0	3775686.4	422.9	3.70	1.67	2.89	YES
L0042027	0	0.63550E-07	463196.4	3775686.4	422.9	3.70	1.67	2.89	YES
L0042028	0	0.63550E-07	463192.8	3775686.4	422.9	3.70	1.67	2.89	YES
L0042029	0	0.63550E-07	463189.2	3775686.4	423.0	3.70	1.67	2.89	YES
L0042030	0	0.63550E-07	463185.6	3775686.5	423.0	3.70	1.67	2.89	YES
L0042031	0	0.63550E-07	463182.0	3775686.5	423.0	3.70	1.67	2.89	YES
L0042032	0	0.63550E-07	463178.4	3775686.5	423.0	3.70	1.67	2.89	YES
L0042033	0	0.63550E-07	463174.8	3775686.5	423.0	3.70	1.67	2.89	YES
L0042034	0	0.63550E-07	463171.2	3775686.5	423.0	3.70	1.67	2.89	YES
L0042035	0	0.63550E-07	463167.6	3775686.5	423.0	3.70	1.67	2.89	YES
L0042036	0	0.63550E-07	463164.0	3775686.5	423.0	3.70	1.67	2.89	YES
L0042037	0	0.63550E-07	463160.4	3775686.6	423.0	3.70	1.67	2.89	YES

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 L0042038         0   0.63550E-07  463156.8 3775686.6   423.0     3.70     1.67
2.89     YES
 L0042039         0   0.63550E-07  463153.2 3775686.6   423.0     3.70     1.67
2.89     YES
 L0042040         0   0.63550E-07  463149.6 3775686.6   423.0     3.70     1.67
2.89     YES
 L0042041         0   0.63550E-07  463146.0 3775686.6   423.0     3.70     1.67
2.89     YES
 L0042042         0   0.63550E-07  463142.4 3775686.6   423.0     3.70     1.67
2.89     YES
 L0042043         0   0.63550E-07  463138.8 3775686.6   423.1     3.70     1.67
2.89     YES
 L0042044         0   0.63550E-07  463135.2 3775686.7   423.1     3.70     1.67
2.89     YES
 L0042045         0   0.63550E-07  463131.6 3775686.7   423.1     3.70     1.67
2.89     YES
 L0042046         0   0.63550E-07  463128.0 3775686.7   423.1     3.70     1.67
2.89     YES
 L0042047         0   0.63550E-07  463124.4 3775686.7   423.1     3.70     1.67
2.89     YES
 L0042048         0   0.63550E-07  463120.8 3775686.7   423.1     3.70     1.67
2.89     YES
 L0042049         0   0.63550E-07  463117.2 3775686.7   423.1     3.70     1.67
2.89     YES
 L0042050         0   0.63550E-07  463113.6 3775686.7   423.2     3.70     1.67
2.89     YES
 L0042051         0   0.63550E-07  463110.0 3775686.8   423.2     3.70     1.67
2.89     YES
 L0042052         0   0.63550E-07  463106.4 3775686.8   423.2     3.70     1.67
2.89     YES
 L0042053         0   0.63550E-07  463102.8 3775686.8   423.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042054	0	0.63550E-07	463099.2	3775686.8	423.3	3.70	1.67	2.89 YES
L0042055	0	0.63550E-07	463095.6	3775686.8	423.3	3.70	1.67	2.89 YES
L0042056	0	0.63550E-07	463092.0	3775686.8	423.3	3.70	1.67	2.89 YES
L0042057	0	0.63550E-07	463088.4	3775686.8	423.4	3.70	1.67	2.89 YES
L0042058	0	0.63550E-07	463084.8	3775686.9	423.4	3.70	1.67	2.89 YES
L0042059	0	0.63550E-07	463081.2	3775686.9	423.4	3.70	1.67	2.89 YES
L0042060	0	0.63550E-07	463077.6	3775686.9	423.4	3.70	1.67	2.89 YES
L0042061	0	0.63550E-07	463074.0	3775686.9	423.5	3.70	1.67	2.89 YES
L0042062	0	0.63550E-07	463070.4	3775686.9	423.5	3.70	1.67	2.89 YES
L0042063	0	0.63550E-07	463066.8	3775686.9	423.5	3.70	1.67	2.89 YES
L0042064	0	0.63550E-07	463063.2	3775686.9	423.6	3.70	1.67	2.89 YES
L0042065	0	0.63550E-07	463059.6	3775687.0	423.6	3.70	1.67	2.89 YES
L0042066	0	0.63550E-07	463056.0	3775687.0	423.6	3.70	1.67	2.89 YES
L0042067	0	0.63550E-07	463052.4	3775687.0	423.6	3.70	1.67	2.89 YES
L0042068	0	0.63550E-07	463048.8	3775687.0	423.7	3.70	1.67	2.89 YES
L0042069	0	0.63550E-07	463045.2	3775687.0	423.7	3.70	1.67	2.89 YES
L0042070	0	0.63550E-07	463041.6	3775687.0	423.7	3.70	1.67	2.89 YES
L0042071	0	0.63550E-07	463038.0	3775687.0	423.7	3.70	1.67	2.89 YES
L0042072	0	0.63550E-07	463034.4	3775687.1	423.7	3.70	1.67	2.89 YES
L0042073	0	0.63550E-07	463030.8	3775687.1	423.7	3.70	1.67	2.89 YES
L0042074	0	0.63550E-07	463027.2	3775687.1	423.7	3.70	1.67	2.89 YES
L0042075	0	0.63550E-07	463023.6	3775687.1	423.7	3.70	1.67	2.89 YES
L0042076	0	0.63550E-07	463020.0	3775687.2	423.8	3.70	1.67	2.89 YES
L0042077	0	0.63550E-07	463016.4	3775687.2	423.8	3.70	1.67	2.89 YES

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 L0042078         0   0.63550E-07  463012.8 3775687.3   423.9     3.70     1.67
2.89     YES
 L0042079         0   0.63550E-07  463009.2 3775687.3   423.9     3.70     1.67
2.89     YES
 L0042080         0   0.63550E-07  463005.6 3775687.3   424.0     3.70     1.67
2.89     YES
 L0042081         0   0.63550E-07  463002.0 3775687.4   424.0     3.70     1.67
2.89     YES
 L0042082         0   0.63550E-07  462998.4 3775687.4   424.1     3.70     1.67
2.89     YES
 L0042083         0   0.63550E-07  462994.8 3775687.4   424.1     3.70     1.67
2.89     YES
 L0042084         0   0.63550E-07  462991.2 3775687.5   424.1     3.70     1.67
2.89     YES
 L0042085         0   0.63550E-07  462987.6 3775687.5   424.1     3.70     1.67
2.89     YES
 L0042086         0   0.63550E-07  462984.0 3775687.6   424.1     3.70     1.67
2.89     YES
 L0042087         0   0.63550E-07  462980.4 3775687.6   424.1     3.70     1.67
2.89     YES
 L0042088         0   0.63550E-07  462976.8 3775687.6   424.1     3.70     1.67
2.89     YES
 L0042089         0   0.63550E-07  462973.2 3775687.7   424.1     3.70     1.67
2.89     YES
 L0042090         0   0.63550E-07  462969.6 3775687.7   424.2     3.70     1.67
2.89     YES
 L0042091         0   0.63550E-07  462966.0 3775687.7   424.2     3.70     1.67
2.89     YES
 L0042092         0   0.63550E-07  462962.4 3775687.8   424.3     3.70     1.67
2.89     YES
 L0042093         0   0.63550E-07  462958.8 3775687.8   424.3     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042094	0	0.63550E-07	462955.2	3775687.8	424.4	3.70	1.67	2.89 YES
L0042095	0	0.63550E-07	462951.6	3775687.9	424.4	3.70	1.67	2.89 YES
L0042096	0	0.63550E-07	462948.0	3775687.9	424.4	3.70	1.67	2.89 YES
L0042097	0	0.63550E-07	462944.4	3775688.0	424.5	3.70	1.67	2.89 YES
L0042098	0	0.63550E-07	462940.8	3775688.0	424.5	3.70	1.67	2.89 YES
L0042099	0	0.63550E-07	462937.2	3775688.0	424.6	3.70	1.67	2.89 YES
L0042100	0	0.63550E-07	462933.6	3775688.1	424.6	3.70	1.67	2.89 YES
L0042101	0	0.63550E-07	462930.0	3775688.1	424.6	3.70	1.67	2.89 YES
L0042102	0	0.63550E-07	462926.4	3775688.1	424.7	3.70	1.67	2.89 YES
L0042103	0	0.63550E-07	462922.8	3775688.2	424.7	3.70	1.67	2.89 YES
L0042104	0	0.63550E-07	462919.2	3775688.2	424.7	3.70	1.67	2.89 YES
L0042105	0	0.63550E-07	462915.6	3775688.2	424.7	3.70	1.67	2.89 YES
L0042106	0	0.63550E-07	462912.0	3775688.3	424.8	3.70	1.67	2.89 YES
L0042107	0	0.63550E-07	462908.4	3775688.3	424.8	3.70	1.67	2.89 YES
L0042108	0	0.63550E-07	462904.8	3775688.4	424.8	3.70	1.67	2.89 YES
L0042109	0	0.63550E-07	462901.2	3775688.4	424.8	3.70	1.67	2.89 YES
L0042110	0	0.63550E-07	462897.6	3775688.4	424.8	3.70	1.67	2.89 YES
L0042111	0	0.63550E-07	462894.0	3775688.5	424.8	3.70	1.67	2.89 YES
L0042112	0	0.63550E-07	462890.4	3775688.5	424.8	3.70	1.67	2.89 YES
L0042113	0	0.63550E-07	462886.8	3775688.5	424.8	3.70	1.67	2.89 YES
L0042114	0	0.63550E-07	462883.2	3775688.6	424.8	3.70	1.67	2.89 YES
L0042115	0	0.63550E-07	462879.6	3775688.6	424.8	3.70	1.67	2.89 YES
L0042116	0	0.63550E-07	462876.0	3775688.6	424.9	3.70	1.67	2.89 YES
L0042117	0	0.63550E-07	462872.4	3775688.7	424.9	3.70	1.67	2.89 YES

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 L0042118         0   0.63550E-07  462868.8 3775688.7   424.9     3.70     1.67
2.89     YES
 L0042119         0   0.63550E-07  462865.2 3775688.8   424.9     3.70     1.67
2.89     YES
 L0042120         0   0.63550E-07  462861.6 3775688.8   424.9     3.70     1.67
2.89     YES
 L0042121         0   0.63550E-07  462858.0 3775688.8   424.9     3.70     1.67
2.89     YES
 L0042122         0   0.63550E-07  462854.4 3775688.9   424.9     3.70     1.67
2.89     YES
 L0042123         0   0.63550E-07  462850.8 3775688.9   424.9     3.70     1.67
2.89     YES
 L0042124         0   0.63550E-07  462847.2 3775688.9   424.9     3.70     1.67
2.89     YES
 L0042125         0   0.63550E-07  462843.6 3775689.0   424.9     3.70     1.67
2.89     YES
 L0042126         0   0.63550E-07  462840.0 3775689.0   424.9     3.70     1.67
2.89     YES
 L0042127         0   0.63550E-07  462836.4 3775689.0   425.0     3.70     1.67
2.89     YES
 L0042128         0   0.63550E-07  462832.8 3775689.1   425.0     3.70     1.67
2.89     YES
 L0042129         0   0.63550E-07  462829.2 3775689.1   425.0     3.70     1.67
2.89     YES
 L0042130         0   0.63550E-07  462825.6 3775689.1   425.0     3.70     1.67
2.89     YES
 L0042131         0   0.63550E-07  462822.0 3775689.1   425.0     3.70     1.67
2.89     YES
 L0042132         0   0.63550E-07  462818.4 3775689.0   425.0     3.70     1.67
2.89     YES
 L0042133         0   0.63550E-07  462814.8 3775689.0   425.0     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042134	0	0.63550E-07	462811.2	3775689.0	425.0	3.70	1.67	2.89	YES
L0042135	0	0.63550E-07	462807.6	3775689.0	425.1	3.70	1.67	2.89	YES
L0042136	0	0.63550E-07	462804.0	3775689.0	425.1	3.70	1.67	2.89	YES
L0042137	0	0.63550E-07	462800.4	3775689.0	425.1	3.70	1.67	2.89	YES
L0042138	0	0.63550E-07	462796.8	3775689.0	425.1	3.70	1.67	2.89	YES
L0042139	0	0.63550E-07	462793.2	3775689.0	425.1	3.70	1.67	2.89	YES
L0042140	0	0.63550E-07	462789.6	3775688.9	425.1	3.70	1.67	2.89	YES
L0042141	0	0.63550E-07	462786.0	3775688.9	425.1	3.70	1.67	2.89	YES
L0042142	0	0.63550E-07	462782.4	3775688.9	425.1	3.70	1.67	2.89	YES
L0042143	0	0.63550E-07	462778.8	3775688.9	425.1	3.70	1.67	2.89	YES
L0042144	0	0.63550E-07	462775.2	3775688.9	425.2	3.70	1.67	2.89	YES
L0042145	0	0.63550E-07	462771.6	3775688.9	425.2	3.70	1.67	2.89	YES
L0042146	0	0.63550E-07	462768.0	3775688.9	425.2	3.70	1.67	2.89	YES
L0042147	0	0.63550E-07	462764.4	3775688.9	425.2	3.70	1.67	2.89	YES
L0042148	0	0.63550E-07	462760.8	3775688.9	425.2	3.70	1.67	2.89	YES
L0042149	0	0.63550E-07	462757.2	3775688.8	425.2	3.70	1.67	2.89	YES
L0042150	0	0.63550E-07	462753.6	3775688.8	425.2	3.70	1.67	2.89	YES
L0042151	0	0.63550E-07	462750.0	3775688.8	425.2	3.70	1.67	2.89	YES
L0042152	0	0.63550E-07	462746.4	3775688.8	425.2	3.70	1.67	2.89	YES
L0042153	0	0.63550E-07	462742.8	3775688.8	425.2	3.70	1.67	2.89	YES
L0042154	0	0.63550E-07	462739.2	3775688.8	425.2	3.70	1.67	2.89	YES
L0042155	0	0.63550E-07	462735.6	3775688.8	425.3	3.70	1.67	2.89	YES
L0042156	0	0.63550E-07	462732.0	3775688.8	425.3	3.70	1.67	2.89	YES
L0042157	0	0.63550E-07	462728.4	3775688.7	425.3	3.70	1.67	2.89	YES

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 L0042158         0   0.63550E-07  462724.8 3775688.7   425.3     3.70     1.67
2.89     YES
 L0042159         0   0.63550E-07  462721.2 3775688.7   425.4     3.70     1.67
2.89     YES
 L0042160         0   0.63550E-07  462717.6 3775688.7   425.4     3.70     1.67
2.89     YES
 L0042161         0   0.63550E-07  462714.0 3775688.7   425.4     3.70     1.67
2.89     YES
 L0042162         0   0.63550E-07  462710.4 3775688.7   425.4     3.70     1.67
2.89     YES
 L0042163         0   0.63550E-07  462706.8 3775688.7   425.5     3.70     1.67
2.89     YES
 L0042164         0   0.63550E-07  462703.2 3775688.7   425.5     3.70     1.67
2.89     YES
 L0042165         0   0.63550E-07  462699.6 3775688.6   425.6     3.70     1.67
2.89     YES
 L0042166         0   0.63550E-07  462696.0 3775688.6   425.6     3.70     1.67
2.89     YES
 L0042167         0   0.63550E-07  462692.4 3775688.6   425.7     3.70     1.67
2.89     YES
 L0042168         0   0.63550E-07  462688.8 3775688.6   425.7     3.70     1.67
2.89     YES
 L0042169         0   0.63550E-07  462685.2 3775688.6   425.8     3.70     1.67
2.89     YES
 L0042170         0   0.63550E-07  462681.6 3775688.6   425.8     3.70     1.67
2.89     YES
 L0042171         0   0.63550E-07  462678.0 3775688.6   425.8     3.70     1.67
2.89     YES
 L0042172         0   0.63550E-07  462674.4 3775688.6   425.9     3.70     1.67
2.89     YES
 L0042173         0   0.63550E-07  462670.8 3775688.5   425.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042174	0	0.63550E-07	462667.2	3775688.5	425.9	3.70	1.67	2.89	YES
L0042175	0	0.63550E-07	462663.6	3775688.5	426.0	3.70	1.67	2.89	YES
L0042176	0	0.63550E-07	462660.0	3775688.5	426.0	3.70	1.67	2.89	YES
L0042177	0	0.63550E-07	462656.4	3775688.5	426.0	3.70	1.67	2.89	YES
L0042178	0	0.63550E-07	462652.8	3775688.5	426.1	3.70	1.67	2.89	YES
L0042179	0	0.63550E-07	462649.2	3775688.5	426.1	3.70	1.67	2.89	YES
L0042180	0	0.63550E-07	462645.6	3775688.5	426.1	3.70	1.67	2.89	YES
L0042181	0	0.63550E-07	462642.0	3775688.4	426.1	3.70	1.67	2.89	YES
L0042182	0	0.63550E-07	462638.4	3775688.4	426.1	3.70	1.67	2.89	YES
L0042183	0	0.63550E-07	462634.8	3775688.4	426.2	3.70	1.67	2.89	YES
L0042184	0	0.63550E-07	462631.2	3775688.4	426.2	3.70	1.67	2.89	YES
L0042185	0	0.63550E-07	462627.6	3775688.4	426.2	3.70	1.67	2.89	YES
L0042186	0	0.63550E-07	462624.0	3775688.5	426.2	3.70	1.67	2.89	YES
L0042187	0	0.63550E-07	462620.4	3775688.5	426.2	3.70	1.67	2.89	YES
L0042188	0	0.63550E-07	462616.8	3775688.5	426.2	3.70	1.67	2.89	YES
L0042189	0	0.63550E-07	462613.2	3775688.5	426.2	3.70	1.67	2.89	YES
L0042190	0	0.63550E-07	462609.6	3775688.5	426.2	3.70	1.67	2.89	YES
L0042191	0	0.63550E-07	462606.0	3775688.5	426.3	3.70	1.67	2.89	YES
L0042192	0	0.63550E-07	462602.4	3775688.6	426.4	3.70	1.67	2.89	YES
L0042193	0	0.63550E-07	462598.8	3775688.6	426.4	3.70	1.67	2.89	YES
L0042194	0	0.63550E-07	462595.2	3775688.6	426.5	3.70	1.67	2.89	YES
L0042195	0	0.63550E-07	462591.6	3775688.6	426.5	3.70	1.67	2.89	YES
L0042196	0	0.63550E-07	462588.0	3775688.6	426.6	3.70	1.67	2.89	YES
L0042197	0	0.63550E-07	462584.4	3775688.7	426.6	3.70	1.67	2.89	YES

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 L0042198         0   0.63550E-07  462580.8 3775688.7   426.7     3.70     1.67
2.89     YES
 L0042199         0   0.63550E-07  462577.2 3775688.7   426.7     3.70     1.67
2.89     YES
 L0042200         0   0.63550E-07  462573.6 3775688.7   426.7     3.70     1.67
2.89     YES
 L0042201         0   0.63550E-07  462570.0 3775688.7   426.8     3.70     1.67
2.89     YES
 L0042202         0   0.63550E-07  462566.4 3775688.8   426.8     3.70     1.67
2.89     YES
 L0042203         0   0.63550E-07  462562.8 3775688.8   426.8     3.70     1.67
2.89     YES
 L0042204         0   0.63550E-07  462559.2 3775688.8   426.9     3.70     1.67
2.89     YES
 L0042205         0   0.63550E-07  462555.6 3775688.8   426.9     3.70     1.67
2.89     YES
 L0042206         0   0.63550E-07  462552.0 3775688.8   426.9     3.70     1.67
2.89     YES
 L0042207         0   0.63550E-07  462548.4 3775688.8   426.9     3.70     1.67
2.89     YES
 L0042208         0   0.63550E-07  462544.8 3775688.9   426.9     3.70     1.67
2.89     YES
 L0042209         0   0.63550E-07  462541.2 3775688.9   426.9     3.70     1.67
2.89     YES
 L0042210         0   0.63550E-07  462537.6 3775688.9   426.9     3.70     1.67
2.89     YES
 L0042211         0   0.63550E-07  462534.0 3775688.9   426.9     3.70     1.67
2.89     YES
 L0042212         0   0.63550E-07  462530.4 3775688.9   427.0     3.70     1.67
2.89     YES
 L0042213         0   0.63550E-07  462526.8 3775689.0   427.0     3.70     1.67
2.89     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042214	0	0.63550E-07	462523.2	3775689.0	427.0	3.70	1.67	2.89	YES
L0042215	0	0.63550E-07	462519.6	3775689.0	427.0	3.70	1.67	2.89	YES
L0042216	0	0.63550E-07	462516.0	3775689.0	427.0	3.70	1.67	2.89	YES
L0042217	0	0.63550E-07	462512.4	3775689.0	427.0	3.70	1.67	2.89	YES
L0042218	0	0.63550E-07	462508.8	3775689.1	427.0	3.70	1.67	2.89	YES
L0042219	0	0.63550E-07	462505.2	3775689.1	427.0	3.70	1.67	2.89	YES
L0042220	0	0.63550E-07	462501.6	3775689.1	427.1	3.70	1.67	2.89	YES
L0042221	0	0.63550E-07	462498.0	3775689.1	427.1	3.70	1.67	2.89	YES
L0042222	0	0.63550E-07	462494.4	3775689.1	427.1	3.70	1.67	2.89	YES
L0042223	0	0.63550E-07	462490.8	3775689.2	427.1	3.70	1.67	2.89	YES
L0042224	0	0.63550E-07	462487.2	3775689.2	427.1	3.70	1.67	2.89	YES
L0042225	0	0.63550E-07	462483.6	3775689.2	427.1	3.70	1.67	2.89	YES
L0042226	0	0.63550E-07	462480.0	3775689.2	427.1	3.70	1.67	2.89	YES
L0042227	0	0.63550E-07	462476.4	3775689.2	427.1	3.70	1.67	2.89	YES
L0042228	0	0.63550E-07	462472.8	3775689.2	427.2	3.70	1.67	2.89	YES
L0042229	0	0.63550E-07	462469.2	3775689.3	427.2	3.70	1.67	2.89	YES
L0042230	0	0.63550E-07	462465.6	3775689.3	427.2	3.70	1.67	2.89	YES
L0042231	0	0.63550E-07	462462.0	3775689.3	427.2	3.70	1.67	2.89	YES
L0042232	0	0.63550E-07	462458.4	3775689.3	427.2	3.70	1.67	2.89	YES
L0042233	0	0.63550E-07	462454.8	3775689.3	427.2	3.70	1.67	2.89	YES
L0042234	0	0.63550E-07	462451.2	3775689.4	427.2	3.70	1.67	2.89	YES
L0042235	0	0.63550E-07	462447.6	3775689.4	427.3	3.70	1.67	2.89	YES
L0042236	0	0.63550E-07	462444.0	3775689.4	427.3	3.70	1.67	2.89	YES
L0042237	0	0.63550E-07	462440.4	3775689.4	427.3	3.70	1.67	2.89	YES

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 L0042238         0   0.63550E-07  462436.8 3775689.4   427.3     3.70     1.67
2.89     YES
 L0042239         0   0.63550E-07  462433.2 3775689.5   427.3     3.70     1.67
2.89     YES
 L0042240         0   0.63550E-07  462429.6 3775689.5   427.3     3.70     1.67
2.89     YES
 L0042241         0   0.63550E-07  462426.0 3775689.5   427.4     3.70     1.67
2.89     YES
 L0042242         0   0.63550E-07  462422.4 3775689.5   427.4     3.70     1.67
2.89     YES
 L0042243         0   0.63550E-07  462418.8 3775689.5   427.4     3.70     1.67
2.89     YES
 L0042244         0   0.63550E-07  462415.2 3775689.5   427.4     3.70     1.67
2.89     YES
 L0042245         0   0.63550E-07  462411.6 3775689.6   427.4     3.70     1.67
2.89     YES
 L0042246         0   0.63550E-07  462408.0 3775689.6   427.4     3.70     1.67
2.89     YES
 L0042247         0   0.63550E-07  462404.4 3775689.6   427.4     3.70     1.67
2.89     YES
 L0042248         0   0.63550E-07  462400.8 3775689.6   427.4     3.70     1.67
2.89     YES
 L0042249         0   0.63550E-07  462397.2 3775689.6   427.4     3.70     1.67
2.89     YES
 L0042250         0   0.63550E-07  462393.6 3775689.7   427.4     3.70     1.67
2.89     YES
 L0042251         0   0.63550E-07  462390.0 3775689.7   427.4     3.70     1.67
2.89     YES
 L0042252         0   0.63550E-07  462386.4 3775689.7   427.4     3.70     1.67
2.89     YES
 L0042253         0   0.63550E-07  462382.8 3775689.7   427.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042254	0	0.63550E-07	462379.2	3775689.7	427.4	3.70	1.67	2.89 YES
L0042255	0	0.63550E-07	462375.6	3775689.8	427.4	3.70	1.67	2.89 YES
L0042256	0	0.63550E-07	462372.0	3775689.8	427.4	3.70	1.67	2.89 YES
L0042257	0	0.63550E-07	462368.4	3775689.8	427.4	3.70	1.67	2.89 YES
L0042258	0	0.63550E-07	462364.8	3775689.8	427.4	3.70	1.67	2.89 YES
L0042259	0	0.63550E-07	462361.2	3775689.8	427.4	3.70	1.67	2.89 YES
L0042260	0	0.63550E-07	462357.6	3775689.9	427.4	3.70	1.67	2.89 YES
L0042261	0	0.63550E-07	462354.0	3775689.9	427.4	3.70	1.67	2.89 YES
L0042262	0	0.63550E-07	462350.4	3775689.9	427.4	3.70	1.67	2.89 YES
L0042263	0	0.63550E-07	462346.8	3775689.9	427.4	3.70	1.67	2.89 YES
L0042264	0	0.63550E-07	462343.2	3775689.9	427.4	3.70	1.67	2.89 YES
L0042265	0	0.63550E-07	462339.6	3775689.9	427.4	3.70	1.67	2.89 YES
L0042266	0	0.63550E-07	462336.0	3775690.0	427.4	3.70	1.67	2.89 YES
L0042267	0	0.63550E-07	462332.4	3775690.0	427.4	3.70	1.67	2.89 YES
L0042268	0	0.63550E-07	462328.8	3775690.0	427.4	3.70	1.67	2.89 YES
L0042269	0	0.63550E-07	462325.2	3775690.0	427.4	3.70	1.67	2.89 YES
L0042270	0	0.63550E-07	462321.6	3775690.0	427.4	3.70	1.67	2.89 YES
L0042271	0	0.63550E-07	462318.0	3775690.1	427.5	3.70	1.67	2.89 YES
L0042272	0	0.63550E-07	462314.4	3775690.1	427.5	3.70	1.67	2.89 YES
L0042273	0	0.63550E-07	462310.8	3775690.1	427.5	3.70	1.67	2.89 YES
L0042274	0	0.63550E-07	462307.2	3775690.1	427.5	3.70	1.67	2.89 YES
L0042275	0	0.63550E-07	462303.6	3775690.1	427.5	3.70	1.67	2.89 YES
L0042276	0	0.63550E-07	462300.0	3775690.2	427.4	3.70	1.67	2.89 YES
L0042277	0	0.63550E-07	462296.4	3775690.2	427.4	3.70	1.67	2.89 YES

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 L0042278         0   0.63550E-07  462292.8 3775690.2   427.4     3.70     1.67
2.89     YES
 L0042279         0   0.63550E-07  462289.2 3775690.2   427.4     3.70     1.67
2.89     YES
 L0042280         0   0.63550E-07  462285.6 3775690.2   427.4     3.70     1.67
2.89     YES
 L0042281         0   0.63550E-07  462282.0 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042282         0   0.63550E-07  462278.4 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042283         0   0.63550E-07  462274.8 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042284         0   0.63550E-07  462271.2 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042285         0   0.63550E-07  462267.6 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042286         0   0.63550E-07  462264.0 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042287         0   0.63550E-07  462260.4 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042288         0   0.63550E-07  462256.8 3775690.1   427.3     3.70     1.67
2.89     YES
 L0042289         0   0.63550E-07  462253.2 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042290         0   0.63550E-07  462249.6 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042291         0   0.63550E-07  462246.0 3775690.1   427.4     3.70     1.67
2.89     YES
 L0042292         0   0.63550E-07  462242.4 3775690.0   427.4     3.70     1.67
2.89     YES
 L0042293         0   0.63550E-07  462238.8 3775690.0   427.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042294	0	0.63550E-07	462235.2	3775690.0	427.5	3.70	1.67	2.89	YES
L0042295	0	0.63550E-07	462231.6	3775690.0	427.5	3.70	1.67	2.89	YES
L0042296	0	0.63550E-07	462228.0	3775690.0	427.6	3.70	1.67	2.89	YES
L0042297	0	0.63550E-07	462224.4	3775690.0	427.7	3.70	1.67	2.89	YES
L0042298	0	0.63550E-07	462220.8	3775690.0	427.7	3.70	1.67	2.89	YES
L0042299	0	0.63550E-07	462217.2	3775690.0	427.8	3.70	1.67	2.89	YES
L0042300	0	0.63550E-07	462213.6	3775690.0	427.9	3.70	1.67	2.89	YES
L0042301	0	0.63550E-07	462210.0	3775690.0	428.0	3.70	1.67	2.89	YES
L0042302	0	0.63550E-07	462206.4	3775690.0	428.0	3.70	1.67	2.89	YES
L0042303	0	0.63550E-07	462202.8	3775689.9	428.1	3.70	1.67	2.89	YES
L0042304	0	0.63550E-07	462199.2	3775689.9	428.2	3.70	1.67	2.89	YES
L0042305	0	0.63550E-07	462195.6	3775689.9	428.3	3.70	1.67	2.89	YES
L0042306	0	0.63550E-07	462192.0	3775689.9	428.3	3.70	1.67	2.89	YES
L0042307	0	0.63550E-07	462188.4	3775689.9	428.4	3.70	1.67	2.89	YES
L0042308	0	0.63550E-07	462184.8	3775689.9	428.5	3.70	1.67	2.89	YES
L0042309	0	0.63550E-07	462181.2	3775689.9	428.6	3.70	1.67	2.89	YES
L0042310	0	0.63550E-07	462177.6	3775689.9	428.6	3.70	1.67	2.89	YES
L0042311	0	0.63550E-07	462174.0	3775689.9	428.6	3.70	1.67	2.89	YES
L0042312	0	0.63550E-07	462170.4	3775689.9	428.6	3.70	1.67	2.89	YES
L0042313	0	0.63550E-07	462166.8	3775689.9	428.5	3.70	1.67	2.89	YES
L0042314	0	0.63550E-07	462163.2	3775689.9	428.5	3.70	1.67	2.89	YES
L0042315	0	0.63550E-07	462159.6	3775689.8	428.5	3.70	1.67	2.89	YES
L0042316	0	0.63550E-07	462156.0	3775689.8	428.5	3.70	1.67	2.89	YES
L0042317	0	0.63550E-07	462152.4	3775689.8	428.4	3.70	1.67	2.89	YES

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 L0042318         0   0.63550E-07  462148.8 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042319         0   0.63550E-07  462145.2 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042320         0   0.63550E-07  462141.6 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042321         0   0.63550E-07  462138.0 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042322         0   0.63550E-07  462134.4 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042323         0   0.63550E-07  462130.8 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042324         0   0.63550E-07  462127.2 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042325         0   0.63550E-07  462123.6 3775689.8   428.5     3.70     1.67
2.89     YES
 L0042326         0   0.63550E-07  462120.0 3775689.7   428.5     3.70     1.67
2.89     YES
 L0042327         0   0.63550E-07  462116.4 3775689.7   428.5     3.70     1.67
2.89     YES
 L0042328         0   0.63550E-07  462112.8 3775689.7   428.5     3.70     1.67
2.89     YES
 L0042329         0   0.63550E-07  462109.2 3775689.7   428.5     3.70     1.67
2.89     YES
 L0042330         0   0.63550E-07  462105.6 3775689.7   428.5     3.70     1.67
2.89     YES
 L0042331         0   0.63550E-07  462102.0 3775689.7   428.6     3.70     1.67
2.89     YES
 L0042332         0   0.63550E-07  462098.4 3775689.7   428.6     3.70     1.67
2.89     YES
 L0042333         0   0.63550E-07  462094.8 3775689.7   428.6     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042334	0	0.63550E-07	462091.2	3775689.7	428.6	3.70	1.67	2.89	YES
L0042335	0	0.63550E-07	462087.6	3775689.7	428.6	3.70	1.67	2.89	YES
L0042336	0	0.63550E-07	462084.0	3775689.7	428.6	3.70	1.67	2.89	YES
L0042337	0	0.63550E-07	462080.4	3775689.7	428.6	3.70	1.67	2.89	YES
L0042338	0	0.63550E-07	462076.8	3775689.6	428.6	3.70	1.67	2.89	YES
L0042339	0	0.63550E-07	462073.2	3775689.6	428.6	3.70	1.67	2.89	YES
L0042340	0	0.63550E-07	462069.6	3775689.6	428.6	3.70	1.67	2.89	YES
L0042341	0	0.63550E-07	462066.0	3775689.6	428.6	3.70	1.67	2.89	YES
L0042342	0	0.63550E-07	462062.4	3775689.6	428.7	3.70	1.67	2.89	YES
L0042343	0	0.63550E-07	462058.8	3775689.6	428.7	3.70	1.67	2.89	YES
L0042344	0	0.63550E-07	462055.2	3775689.6	428.7	3.70	1.67	2.89	YES
L0042345	0	0.63550E-07	462051.6	3775689.6	428.7	3.70	1.67	2.89	YES
L0042346	0	0.63550E-07	462048.0	3775689.6	428.7	3.70	1.67	2.89	YES
L0042347	0	0.63550E-07	462044.4	3775689.6	428.7	3.70	1.67	2.89	YES
L0042348	0	0.63550E-07	462040.8	3775689.6	428.7	3.70	1.67	2.89	YES
L0042349	0	0.63550E-07	462037.2	3775689.5	428.7	3.70	1.67	2.89	YES
L0042350	0	0.63550E-07	462033.6	3775689.5	428.7	3.70	1.67	2.89	YES
L0042351	0	0.63550E-07	462030.0	3775689.5	428.7	3.70	1.67	2.89	YES
L0042352	0	0.63550E-07	462026.4	3775689.5	428.7	3.70	1.67	2.89	YES
L0042353	0	0.63550E-07	462022.8	3775689.5	428.7	3.70	1.67	2.89	YES
L0042354	0	0.63550E-07	462019.2	3775689.5	428.7	3.70	1.67	2.89	YES
L0042355	0	0.63550E-07	462015.6	3775689.5	428.7	3.70	1.67	2.89	YES
L0042356	0	0.63550E-07	462012.0	3775689.5	428.7	3.70	1.67	2.89	YES
L0042357	0	0.63550E-07	462008.4	3775689.5	428.7	3.70	1.67	2.89	YES

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 L0042358         0   0.63550E-07  462004.8 3775689.5   428.7     3.70     1.67
2.89     YES
 L0042359         0   0.63550E-07  462001.2 3775689.5   428.7     3.70     1.67
2.89     YES
 L0042360         0   0.63550E-07  461997.6 3775689.4   428.8     3.70     1.67
2.89     YES
 L0042361         0   0.63550E-07  461994.0 3775689.4   428.8     3.70     1.67
2.89     YES
 L0042362         0   0.63550E-07  461990.4 3775689.4   428.9     3.70     1.67
2.89     YES
 L0042363         0   0.63550E-07  461986.8 3775689.3   428.9     3.70     1.67
2.89     YES
 L0042364         0   0.63550E-07  461983.2 3775689.3   429.0     3.70     1.67
2.89     YES
 L0042365         0   0.63550E-07  461979.6 3775689.3   429.1     3.70     1.67
2.89     YES
 L0042366         0   0.63550E-07  461976.0 3775689.2   429.1     3.70     1.67
2.89     YES
 L0042367         0   0.63550E-07  461972.4 3775689.2   429.2     3.70     1.67
2.89     YES
 L0042368         0   0.63550E-07  461968.8 3775689.2   429.2     3.70     1.67
2.89     YES
 L0042369         0   0.63550E-07  461965.2 3775689.1   429.3     3.70     1.67
2.89     YES
 L0042370         0   0.63550E-07  461961.6 3775689.1   429.3     3.70     1.67
2.89     YES
 L0042371         0   0.63550E-07  461958.0 3775689.1   429.4     3.70     1.67
2.89     YES
 L0042372         0   0.63550E-07  461954.4 3775689.0   429.4     3.70     1.67
2.89     YES
 L0042373         0   0.63550E-07  461950.8 3775689.0   429.5     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042374	0	0.63550E-07	461947.2	3775689.0	429.5	3.70	1.67	2.89	YES
L0042375	0	0.63550E-07	461943.6	3775688.9	429.6	3.70	1.67	2.89	YES
L0042376	0	0.63550E-07	461940.0	3775688.9	429.6	3.70	1.67	2.89	YES
L0042377	0	0.63550E-07	461936.4	3775688.8	429.6	3.70	1.67	2.89	YES
L0042378	0	0.63550E-07	461932.8	3775688.8	429.6	3.70	1.67	2.89	YES
L0042379	0	0.63550E-07	461929.2	3775688.8	429.6	3.70	1.67	2.89	YES
L0042380	0	0.63550E-07	461925.6	3775688.7	429.6	3.70	1.67	2.89	YES
L0042381	0	0.63550E-07	461922.0	3775688.7	429.6	3.70	1.67	2.89	YES
L0042382	0	0.63550E-07	461918.4	3775688.7	429.6	3.70	1.67	2.89	YES
L0042383	0	0.63550E-07	461914.8	3775688.6	429.6	3.70	1.67	2.89	YES
L0042384	0	0.63550E-07	461911.2	3775688.6	429.6	3.70	1.67	2.89	YES
L0042385	0	0.63550E-07	461907.6	3775688.6	429.6	3.70	1.67	2.89	YES
L0042386	0	0.63550E-07	461904.0	3775688.5	429.6	3.70	1.67	2.89	YES
L0042387	0	0.63550E-07	461900.4	3775688.5	429.6	3.70	1.67	2.89	YES
L0042388	0	0.63550E-07	461896.8	3775688.5	429.6	3.70	1.67	2.89	YES
L0042389	0	0.63550E-07	461893.2	3775688.4	429.6	3.70	1.67	2.89	YES
L0042390	0	0.63550E-07	461889.6	3775688.4	429.6	3.70	1.67	2.89	YES
L0042391	0	0.63550E-07	461886.0	3775688.4	429.7	3.70	1.67	2.89	YES
L0042392	0	0.63550E-07	461882.4	3775688.5	429.7	3.70	1.67	2.89	YES
L0042393	0	0.63550E-07	461878.8	3775688.5	429.7	3.70	1.67	2.89	YES
L0042394	0	0.63550E-07	461875.2	3775688.5	429.7	3.70	1.67	2.89	YES
L0042395	0	0.63550E-07	461871.6	3775688.5	429.7	3.70	1.67	2.89	YES
L0042396	0	0.63550E-07	461868.0	3775688.5	429.7	3.70	1.67	2.89	YES
L0042397	0	0.63550E-07	461864.4	3775688.5	429.7	3.70	1.67	2.89	YES

```
 L0042398         0   0.63550E-07  461860.8 3775688.6   429.7     3.70     1.67
2.89     YES
 L0042399         0   0.63550E-07  461857.2 3775688.6   429.6     3.70     1.67
2.89     YES
 L0042400         0   0.63550E-07  461853.6 3775688.6   429.6     3.70     1.67
2.89     YES
 L0042401         0   0.63550E-07  461850.0 3775688.6   429.6     3.70     1.67
2.89     YES
 L0042402         0   0.63550E-07  461846.4 3775688.6   429.6     3.70     1.67
2.89     YES
 L0042403         0   0.63550E-07  461842.8 3775688.6   429.6     3.70     1.67
2.89     YES
 L0042404         0   0.63550E-07  461839.2 3775688.7   429.5     3.70     1.67
2.89     YES
 L0042405         0   0.63550E-07  461835.6 3775688.7   429.5     3.70     1.67
2.89     YES
 L0042406         0   0.63550E-07  461832.0 3775688.7   429.5     3.70     1.67
2.89     YES
 L0042407         0   0.63550E-07  461828.4 3775688.7   429.4     3.70     1.67
2.89     YES
 L0042408         0   0.63550E-07  461824.8 3775688.7   429.4     3.70     1.67
2.89     YES
 L0042409         0   0.63550E-07  461821.2 3775688.7   429.3     3.70     1.67
2.89     YES
 L0042410         0   0.63550E-07  461817.6 3775688.8   429.3     3.70     1.67
2.89     YES
 L0042411         0   0.63550E-07  461814.0 3775688.8   429.3     3.70     1.67
2.89     YES
 L0042412         0   0.63550E-07  461810.4 3775688.8   429.4     3.70     1.67
2.89     YES
 L0042413         0   0.63550E-07  461806.8 3775688.8   429.4     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042414	0	0.63550E-07	461803.2	3775688.8	429.4	3.70	1.67	2.89 YES
L0042415	0	0.63550E-07	461799.6	3775688.8	429.4	3.70	1.67	2.89 YES
L0042416	0	0.63550E-07	461796.0	3775688.9	429.4	3.70	1.67	2.89 YES
L0042417	0	0.63550E-07	461792.4	3775688.9	429.4	3.70	1.67	2.89 YES
L0042418	0	0.63550E-07	461788.8	3775688.9	429.4	3.70	1.67	2.89 YES
L0042419	0	0.63550E-07	461785.2	3775688.9	429.4	3.70	1.67	2.89 YES
L0042420	0	0.63550E-07	461781.6	3775688.9	429.5	3.70	1.67	2.89 YES
L0042421	0	0.63550E-07	461778.0	3775688.9	429.5	3.70	1.67	2.89 YES
L0042422	0	0.63550E-07	461774.4	3775689.0	429.5	3.70	1.67	2.89 YES
L0042423	0	0.63550E-07	461770.8	3775689.0	429.5	3.70	1.67	2.89 YES
L0042424	0	0.63550E-07	461767.2	3775689.0	429.5	3.70	1.67	2.89 YES
L0042425	0	0.63550E-07	461763.6	3775689.0	429.5	3.70	1.67	2.89 YES
L0042426	0	0.63550E-07	461760.0	3775689.0	429.5	3.70	1.67	2.89 YES
L0042427	0	0.63550E-07	461756.4	3775689.1	429.5	3.70	1.67	2.89 YES
L0042428	0	0.63550E-07	461752.8	3775689.1	429.5	3.70	1.67	2.89 YES
L0042429	0	0.63550E-07	461749.2	3775689.1	429.5	3.70	1.67	2.89 YES
L0042430	0	0.63550E-07	461745.6	3775689.1	429.5	3.70	1.67	2.89 YES
L0042431	0	0.63550E-07	461742.0	3775689.1	429.5	3.70	1.67	2.89 YES
L0042432	0	0.63550E-07	461738.4	3775689.1	429.5	3.70	1.67	2.89 YES
L0042433	0	0.63550E-07	461734.8	3775689.2	429.5	3.70	1.67	2.89 YES
L0042434	0	0.63550E-07	461731.2	3775689.2	429.5	3.70	1.67	2.89 YES
L0042435	0	0.63550E-07	461727.6	3775689.2	429.5	3.70	1.67	2.89 YES
L0042436	0	0.63550E-07	461724.0	3775689.2	429.5	3.70	1.67	2.89 YES
L0042437	0	0.63550E-07	461720.4	3775689.2	429.5	3.70	1.67	2.89 YES

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 L0042438         0   0.63550E-07  461716.8 3775689.2   429.5     3.70     1.67
2.89     YES
 L0042439         0   0.63550E-07  461713.2 3775689.3   429.5     3.70     1.67
2.89     YES
 L0042440         0   0.63550E-07  461709.6 3775689.3   429.5     3.70     1.67
2.89     YES
 L0042441         0   0.63550E-07  461706.0 3775689.3   429.5     3.70     1.67
2.89     YES
 L0042442         0   0.63550E-07  461702.4 3775689.3   429.6     3.70     1.67
2.89     YES
 L0042443         0   0.63550E-07  461698.8 3775689.3   429.6     3.70     1.67
2.89     YES
 L0042444         0   0.63550E-07  461695.2 3775689.3   429.6     3.70     1.67
2.89     YES
 L0042445         0   0.63550E-07  461691.6 3775689.4   429.6     3.70     1.67
2.89     YES
 L0042446         0   0.63550E-07  461688.0 3775689.4   429.6     3.70     1.67
2.89     YES
 L0042447         0   0.63550E-07  461684.4 3775689.4   429.7     3.70     1.67
2.89     YES
 L0042448         0   0.63550E-07  461680.8 3775689.4   429.7     3.70     1.67
2.89     YES
 L0042449         0   0.63550E-07  461677.2 3775689.4   429.7     3.70     1.67
2.89     YES
 L0042450         0   0.63550E-07  461673.6 3775689.4   429.8     3.70     1.67
2.89     YES
 L0042451         0   0.63550E-07  461670.0 3775689.5   429.8     3.70     1.67
2.89     YES
 L0042452         0   0.63550E-07  461666.4 3775689.5   429.8     3.70     1.67
2.89     YES
 L0042453         0   0.63550E-07  461662.8 3775689.5   429.8     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042454	0	0.63550E-07	461659.2	3775689.5	429.8	3.70	1.67	2.89 YES
L0042455	0	0.63550E-07	461655.6	3775689.5	429.9	3.70	1.67	2.89 YES
L0042456	0	0.63550E-07	461652.0	3775689.5	429.9	3.70	1.67	2.89 YES
L0042457	0	0.63550E-07	461648.4	3775689.6	429.9	3.70	1.67	2.89 YES
L0042458	0	0.63550E-07	461644.8	3775689.6	429.9	3.70	1.67	2.89 YES
L0042459	0	0.63550E-07	461641.2	3775689.6	429.9	3.70	1.67	2.89 YES
L0042460	0	0.63550E-07	461637.6	3775689.6	429.9	3.70	1.67	2.89 YES
L0042461	0	0.63550E-07	461634.0	3775689.6	429.9	3.70	1.67	2.89 YES
L0042462	0	0.63550E-07	461630.4	3775689.6	429.9	3.70	1.67	2.89 YES
L0042463	0	0.63550E-07	461626.8	3775689.7	429.9	3.70	1.67	2.89 YES
L0042464	0	0.63550E-07	461623.2	3775689.7	429.9	3.70	1.67	2.89 YES
L0042465	0	0.63550E-07	461619.6	3775689.7	429.9	3.70	1.67	2.89 YES
L0042466	0	0.63550E-07	461616.0	3775689.7	430.0	3.70	1.67	2.89 YES
L0042467	0	0.63550E-07	461612.4	3775689.7	429.9	3.70	1.67	2.89 YES
L0042468	0	0.63550E-07	461608.8	3775689.8	429.9	3.70	1.67	2.89 YES
L0042469	0	0.63550E-07	461605.2	3775689.8	429.9	3.70	1.67	2.89 YES
L0042470	0	0.63550E-07	461601.6	3775689.8	429.9	3.70	1.67	2.89 YES
L0042471	0	0.63550E-07	461598.0	3775689.8	429.9	3.70	1.67	2.89 YES
L0042472	0	0.63550E-07	461594.4	3775689.8	429.9	3.70	1.67	2.89 YES
L0042473	0	0.63550E-07	461590.8	3775689.8	429.9	3.70	1.67	2.89 YES
L0042474	0	0.63550E-07	461587.2	3775689.9	429.9	3.70	1.67	2.89 YES
L0042475	0	0.63550E-07	461583.6	3775689.9	429.9	3.70	1.67	2.89 YES
L0042476	0	0.63550E-07	461580.0	3775689.9	429.9	3.70	1.67	2.89 YES
L0042477	0	0.63550E-07	461576.4	3775689.9	429.9	3.70	1.67	2.89 YES

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 L0042478         0   0.63550E-07  461572.8 3775689.9   429.9     3.70     1.67
2.89     YES
 L0042479         0   0.63550E-07  461569.2 3775689.9   429.9     3.70     1.67
2.89     YES
 L0042480         0   0.63550E-07  461565.6 3775690.0   429.9     3.70     1.67
2.89     YES
 L0042481         0   0.63550E-07  461562.0 3775690.0   429.9     3.70     1.67
2.89     YES
 L0042482         0   0.63550E-07  461558.4 3775690.0   429.9     3.70     1.67
2.89     YES
 L0042483         0   0.63550E-07  461554.8 3775690.0   429.9     3.70     1.67
2.89     YES
 L0042484         0   0.63550E-07  461551.2 3775690.0   429.9     3.70     1.67
2.89     YES
 L0042485         0   0.63550E-07  461547.6 3775690.0   429.9     3.70     1.67
2.89     YES
 L0042486         0   0.63550E-07  461544.0 3775690.1   429.9     3.70     1.67
2.89     YES
 L0042487         0   0.63550E-07  461540.4 3775690.1   429.9     3.70     1.67
2.89     YES
 L0042488         0   0.63550E-07  461536.8 3775690.1   429.9     3.70     1.67
2.89     YES
 L0042489         0   0.63550E-07  461533.2 3775690.1   429.9     3.70     1.67
2.89     YES
 L0042490         0   0.63550E-07  461529.6 3775690.1   429.9     3.70     1.67
2.89     YES
 L0042491         0   0.63550E-07  461526.0 3775690.1   429.9     3.70     1.67
2.89     YES
 L0042492         0   0.63550E-07  461522.4 3775690.2   429.9     3.70     1.67
2.89     YES
 L0042493         0   0.63550E-07  461518.8 3775690.2   429.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0042494	0	0.63550E-07	461515.2	3775690.2	430.0	3.70	1.67	2.89	YES
L0042495	0	0.63550E-07	461511.6	3775690.2	430.0	3.70	1.67	2.89	YES
L0042496	0	0.63550E-07	461508.0	3775690.2	430.0	3.70	1.67	2.89	YES
L0042497	0	0.63550E-07	461504.4	3775690.2	430.0	3.70	1.67	2.89	YES
L0042498	0	0.63550E-07	461500.8	3775690.3	430.0	3.70	1.67	2.89	YES
L0042499	0	0.63550E-07	461497.2	3775690.3	430.0	3.70	1.67	2.89	YES
L0042500	0	0.63550E-07	461493.6	3775690.3	430.0	3.70	1.67	2.89	YES
L0042501	0	0.63550E-07	461490.0	3775690.3	430.0	3.70	1.67	2.89	YES
L0042502	0	0.63550E-07	461486.5	3775690.3	430.0	3.70	1.67	2.89	YES
L0042503	0	0.63550E-07	461482.8	3775690.3	430.0	3.70	1.67	2.89	YES
L0042504	0	0.63550E-07	461479.2	3775690.4	430.0	3.70	1.67	2.89	YES
L0042505	0	0.63550E-07	461475.6	3775690.4	430.0	3.70	1.67	2.89	YES
L0042506	0	0.63550E-07	461472.0	3775690.4	430.0	3.70	1.67	2.89	YES
L0042507	0	0.63550E-07	461468.5	3775690.4	430.1	3.70	1.67	2.89	YES
L0042508	0	0.63550E-07	461464.8	3775690.4	430.1	3.70	1.67	2.89	YES
L0042509	0	0.63550E-07	461461.2	3775690.5	430.1	3.70	1.67	2.89	YES
L0042510	0	0.63550E-07	461457.6	3775690.5	430.1	3.70	1.67	2.89	YES
L0042511	0	0.63550E-07	461454.0	3775690.5	430.1	3.70	1.67	2.89	YES
L0042512	0	0.63550E-07	461450.5	3775690.5	430.1	3.70	1.67	2.89	YES
L0042513	0	0.63550E-07	461446.8	3775690.5	430.2	3.70	1.67	2.89	YES
L0042514	0	0.63550E-07	461443.2	3775690.5	430.2	3.70	1.67	2.89	YES
L0042515	0	0.63550E-07	461439.6	3775690.6	430.2	3.70	1.67	2.89	YES
L0042516	0	0.63550E-07	461436.0	3775690.6	430.2	3.70	1.67	2.89	YES
L0042517	0	0.63550E-07	461432.5	3775690.6	430.2	3.70	1.67	2.89	YES

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 L0042518         0   0.63550E-07  461428.8 3775690.6   430.2     3.70     1.67
2.89     YES
 L0042519         0   0.63550E-07  461425.2 3775690.6   430.2     3.70     1.67
2.89     YES
 L0034389         0   0.17610E-06  463834.6 3776077.7   425.5     3.66     2.33
2.89     YES
 L0034390         0   0.17610E-06  463839.6 3776077.6   425.5     3.66     2.33
2.89     YES
 L0034391         0   0.17610E-06  463844.6 3776077.5   425.6     3.66     2.33
2.89     YES
 L0034392         0   0.17610E-06  463849.6 3776077.4   425.5     3.66     2.33
2.89     YES
 L0034393         0   0.17610E-06  463854.6 3776077.4   425.5     3.66     2.33
2.89     YES
 L0034394         0   0.17610E-06  463859.6 3776077.3   425.4     3.66     2.33
2.89     YES
 L0034395         0   0.17610E-06  463864.6 3776077.2   425.4     3.66     2.33
2.89     YES
 L0034396         0   0.17610E-06  463869.6 3776077.1   425.4     3.66     2.33
2.89     YES
 L0034397         0   0.17610E-06  463874.6 3776077.1   425.3     3.66     2.33
2.89     YES
 L0034398         0   0.17610E-06  463879.6 3776077.0   425.3     3.66     2.33
2.89     YES
 L0034399         0   0.17610E-06  463884.6 3776076.9   425.2     3.66     2.33
2.89     YES
 L0034400         0   0.17610E-06  463889.6 3776076.8   425.2     3.66     2.33
2.89     YES
 L0034401         0   0.17610E-06  463894.6 3776076.7   425.1     3.66     2.33
2.89     YES
 L0034402         0   0.17610E-06  463899.6 3776076.7   425.1     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034403	0	0.17610E-06	463904.6	3776076.6	425.0	3.66	2.33	2.89	YES
L0034404	0	0.17610E-06	463907.2	3776076.3	425.0	3.66	2.33	2.89	YES
L0034405	0	0.17610E-06	463902.3	3776075.3	425.0	3.66	2.33	2.89	YES
L0034406	0	0.17610E-06	463897.4	3776074.4	425.1	3.66	2.33	2.89	YES
L0034407	0	0.17610E-06	463892.4	3776073.4	425.1	3.66	2.33	2.89	YES
L0034408	0	0.17610E-06	463887.5	3776072.5	425.1	3.66	2.33	2.89	YES
L0034409	0	0.17610E-06	463882.6	3776071.5	425.1	3.66	2.33	2.89	YES
L0034410	0	0.17610E-06	463877.7	3776070.6	425.1	3.66	2.33	2.89	YES
L0034411	0	0.17610E-06	463872.8	3776069.6	425.1	3.66	2.33	2.89	YES
L0034412	0	0.17610E-06	463867.9	3776068.7	425.2	3.66	2.33	2.89	YES
L0034413	0	0.17610E-06	463863.0	3776067.7	425.2	3.66	2.33	2.89	YES
L0034414	0	0.17610E-06	463858.1	3776066.8	425.2	3.66	2.33	2.89	YES
L0034415	0	0.17610E-06	463853.2	3776065.8	425.2	3.66	2.33	2.89	YES
L0034416	0	0.17610E-06	463848.3	3776064.9	425.2	3.66	2.33	2.89	YES
L0034417	0	0.17610E-06	463843.4	3776063.9	425.2	3.66	2.33	2.89	YES
L0034418	0	0.17610E-06	463838.5	3776063.0	425.2	3.66	2.33	2.89	YES
L0034419	0	0.17610E-06	463835.5	3776062.2	425.1	3.66	2.33	2.89	YES
L0034420	0	0.17610E-06	463840.5	3776062.0	425.1	3.66	2.33	2.89	YES
L0034421	0	0.17610E-06	463845.5	3776061.8	425.2	3.66	2.33	2.89	YES
L0034422	0	0.17610E-06	463850.4	3776061.6	425.1	3.66	2.33	2.89	YES
L0034423	0	0.17610E-06	463855.4	3776061.4	425.1	3.66	2.33	2.89	YES
L0034424	0	0.17610E-06	463860.4	3776061.2	425.1	3.66	2.33	2.89	YES
L0034425	0	0.17610E-06	463865.4	3776061.0	425.0	3.66	2.33	2.89	YES
L0034426	0	0.17610E-06	463870.4	3776060.8	425.0	3.66	2.33	2.89	YES

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 L0034427         0   0.17610E-06  463875.4 3776060.6   424.9     3.66     2.33
2.89     YES
 L0034428         0   0.17610E-06  463880.4 3776060.5   424.9     3.66     2.33
2.89     YES
 L0034429         0   0.17610E-06  463885.4 3776060.3   424.8     3.66     2.33
2.89     YES
 L0034430         0   0.17610E-06  463890.4 3776060.1   424.8     3.66     2.33
2.89     YES
 L0034431         0   0.17610E-06  463895.4 3776059.9   424.7     3.66     2.33
2.89     YES
 L0034432         0   0.17610E-06  463900.4 3776059.7   424.7     3.66     2.33
2.89     YES
 L0034433         0   0.17610E-06  463905.4 3776059.5   424.7     3.66     2.33
2.89     YES
 L0034434         0   0.17610E-06  463910.4 3776059.3   424.6     3.66     2.33
2.89     YES
 L0034435         0   0.17610E-06  463915.4 3776059.1   424.6     3.66     2.33
2.89     YES
 L0034436         0   0.17610E-06  463920.4 3776058.9   424.5     3.66     2.33
2.89     YES
 L0034437         0   0.17610E-06  463925.4 3776058.7   424.5     3.66     2.33
2.89     YES
 L0034438         0   0.17610E-06  463924.6 3776058.1   424.5     3.66     2.33
2.89     YES
 L0034439         0   0.17610E-06  463919.7 3776057.1   424.5     3.66     2.33
2.89     YES
 L0034440         0   0.17610E-06  463914.8 3776056.0   424.5     3.66     2.33
2.89     YES
 L0034441         0   0.17610E-06  463909.9 3776055.0   424.5     3.66     2.33
2.89     YES
 L0034442         0   0.17610E-06  463905.0 3776054.0   424.6     3.66     2.33
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034427	0	0.17610E-06	463875.4	3776060.6	424.9	3.66	2.33	2.89	YES	
L0034428	0	0.17610E-06	463880.4	3776060.5	424.9	3.66	2.33	2.89	YES	
L0034429	0	0.17610E-06	463885.4	3776060.3	424.8	3.66	2.33	2.89	YES	
L0034430	0	0.17610E-06	463890.4	3776060.1	424.8	3.66	2.33	2.89	YES	
L0034431	0	0.17610E-06	463895.4	3776059.9	424.7	3.66	2.33	2.89	YES	
L0034432	0	0.17610E-06	463900.4	3776059.7	424.7	3.66	2.33	2.89	YES	
L0034433	0	0.17610E-06	463905.4	3776059.5	424.7	3.66	2.33	2.89	YES	
L0034434	0	0.17610E-06	463910.4	3776059.3	424.6	3.66	2.33	2.89	YES	
L0034435	0	0.17610E-06	463915.4	3776059.1	424.6	3.66	2.33	2.89	YES	
L0034436	0	0.17610E-06	463920.4	3776058.9	424.5	3.66	2.33	2.89	YES	
L0034437	0	0.17610E-06	463925.4	3776058.7	424.5	3.66	2.33	2.89	YES	
L0034438	0	0.17610E-06	463924.6	3776058.1	424.5	3.66	2.33	2.89	YES	
L0034439	0	0.17610E-06	463919.7	3776057.1	424.5	3.66	2.33	2.89	YES	
L0034440	0	0.17610E-06	463914.8	3776056.0	424.5	3.66	2.33	2.89	YES	
L0034441	0	0.17610E-06	463909.9	3776055.0	424.5	3.66	2.33	2.89	YES	
L0034442	0	0.17610E-06	463905.0	3776054.0	424.6	3.66	2.33	2.89	YES	

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L0034443	0	0.17610E-06	463900.1	3776053.0	424.6	3.66	2.33	2.89	YES
L0034444	0	0.17610E-06	463895.2	3776052.0	424.6	3.66	2.33	2.89	YES
L0034445	0	0.17610E-06	463890.3	3776051.0	424.6	3.66	2.33	2.89	YES
L0034446	0	0.17610E-06	463885.4	3776050.0	424.6	3.66	2.33	2.89	YES
L0034447	0	0.17610E-06	463880.5	3776049.0	424.7	3.66	2.33	2.89	YES
L0034448	0	0.17610E-06	463875.6	3776048.0	424.7	3.66	2.33	2.89	YES
L0034449	0	0.17610E-06	463870.7	3776047.0	424.7	3.66	2.33	2.89	YES
L0034450	0	0.17610E-06	463865.8	3776046.0	424.7	3.66	2.33	2.89	YES
L0034451	0	0.17610E-06	463860.9	3776045.0	424.7	3.66	2.33	2.89	YES
L0034452	0	0.17610E-06	463856.0	3776044.0	424.7	3.66	2.33	2.89	YES
L0034453	0	0.17610E-06	463851.1	3776043.0	424.7	3.66	2.33	2.89	YES
L0034454	0	0.17610E-06	463846.2	3776042.0	424.7	3.66	2.33	2.89	YES
L0034455	0	0.17610E-06	463841.3	3776041.0	424.7	3.66	2.33	2.89	YES
L0034456	0	0.17610E-06	463836.4	3776040.0	424.6	3.66	2.33	2.89	YES
L0034457	0	0.17610E-06	463837.6	3776039.6	424.6	3.66	2.33	2.89	YES
L0034458	0	0.17610E-06	463842.6	3776039.7	424.7	3.66	2.33	2.89	YES
L0034459	0	0.17610E-06	463847.6	3776039.7	424.7	3.66	2.33	2.89	YES
L0034460	0	0.17610E-06	463852.6	3776039.8	424.7	3.66	2.33	2.89	YES
L0034461	0	0.17610E-06	463857.6	3776039.8	424.7	3.66	2.33	2.89	YES
L0034462	0	0.17610E-06	463862.6	3776039.9	424.6	3.66	2.33	2.89	YES
L0034463	0	0.17610E-06	463867.6	3776039.9	424.6	3.66	2.33	2.89	YES
L0034464	0	0.17610E-06	463872.6	3776040.0	424.6	3.66	2.33	2.89	YES
L0034465	0	0.17610E-06	463877.6	3776040.0	424.5	3.66	2.33	2.89	YES
L0034466	0	0.17610E-06	463882.6	3776040.1	424.5	3.66	2.33	2.89	YES

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 L0034467         0   0.17610E-06  463887.6 3776040.1   424.4     3.66     2.33
2.89     YES
 L0034468         0   0.17610E-06  463892.6 3776040.2   424.3     3.66     2.33
2.89     YES
 L0034469         0   0.17610E-06  463897.6 3776040.2   424.3     3.66     2.33
2.89     YES
 L0034470         0   0.17610E-06  463902.6 3776040.3   424.3     3.66     2.33
2.89     YES
 L0034471         0   0.17610E-06  463907.5 3776040.3   424.2     3.66     2.33
2.89     YES
 L0034472         0   0.17610E-06  463912.5 3776040.4   424.2     3.66     2.33
2.89     YES
 L0034473         0   0.17610E-06  463917.5 3776040.4   424.2     3.66     2.33
2.89     YES
 L0034474         0   0.17610E-06  463922.5 3776040.5   424.2     3.66     2.33
2.89     YES
 L0034475         0   0.17610E-06  463927.5 3776040.5   424.2     3.66     2.33
2.89     YES
 L0034476         0   0.17610E-06  463932.5 3776040.6   424.1     3.66     2.33
2.89     YES
 L0034477         0   0.17610E-06  463937.5 3776040.6   424.1     3.66     2.33
2.89     YES
 L0034478         0   0.17610E-06  463942.5 3776040.7   424.1     3.66     2.33
2.89     YES
 L0034479         0   0.17610E-06  463947.5 3776040.7   424.1     3.66     2.33
2.89     YES
 L0034480         0   0.17610E-06  463952.4 3776040.8   424.1     3.66     2.33
2.89     YES
 L0034481         0   0.17610E-06  463947.5 3776039.8   424.1     3.66     2.33
2.89     YES
 L0034482         0   0.17610E-06  463942.6 3776038.9   424.1     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034483	0	0.17610E-06	463937.6	3776038.0	424.1	3.66	2.33	2.89 YES
L0034484	0	0.17610E-06	463932.7	3776037.1	424.1	3.66	2.33	2.89 YES
L0034485	0	0.17610E-06	463927.8	3776036.2	424.1	3.66	2.33	2.89 YES
L0034486	0	0.17610E-06	463922.9	3776035.3	424.1	3.66	2.33	2.89 YES
L0034487	0	0.17610E-06	463918.0	3776034.4	424.1	3.66	2.33	2.89 YES
L0034488	0	0.17610E-06	463913.1	3776033.5	424.1	3.66	2.33	2.89 YES
L0034489	0	0.17610E-06	463908.1	3776032.5	424.1	3.66	2.33	2.89 YES
L0034490	0	0.17610E-06	463903.2	3776031.6	424.1	3.66	2.33	2.89 YES
L0034491	0	0.17610E-06	463898.3	3776030.7	424.1	3.66	2.33	2.89 YES
L0034492	0	0.17610E-06	463893.4	3776029.8	424.2	3.66	2.33	2.89 YES
L0034493	0	0.17610E-06	463888.5	3776028.9	424.2	3.66	2.33	2.89 YES
L0034494	0	0.17610E-06	463883.6	3776028.0	424.3	3.66	2.33	2.89 YES
L0034495	0	0.17610E-06	463878.6	3776027.1	424.3	3.66	2.33	2.89 YES
L0034496	0	0.17610E-06	463873.7	3776026.2	424.4	3.66	2.33	2.89 YES
L0034497	0	0.17610E-06	463868.8	3776025.2	424.4	3.66	2.33	2.89 YES
L0034498	0	0.17610E-06	463863.9	3776024.3	424.4	3.66	2.33	2.89 YES
L0034499	0	0.17610E-06	463859.0	3776023.4	424.4	3.66	2.33	2.89 YES
L0034500	0	0.17610E-06	463854.1	3776022.5	424.4	3.66	2.33	2.89 YES
L0034501	0	0.17610E-06	463849.2	3776021.6	424.4	3.66	2.33	2.89 YES
L0034502	0	0.17610E-06	463844.2	3776020.7	424.4	3.66	2.33	2.89 YES
L0034503	0	0.17610E-06	463839.3	3776019.8	424.3	3.66	2.33	2.89 YES
L0034504	0	0.17610E-06	463839.4	3776019.4	424.3	3.66	2.33	2.89 YES
L0034505	0	0.17610E-06	463844.4	3776019.6	424.4	3.66	2.33	2.89 YES
L0034506	0	0.17610E-06	463849.4	3776019.8	424.4	3.66	2.33	2.89 YES

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 L0034507         0   0.17610E-06  463854.4 3776019.9   424.4     3.66     2.33
2.89     YES
 L0034508         0   0.17610E-06  463859.4 3776020.1   424.4     3.66     2.33
2.89     YES
 L0034509         0   0.17610E-06  463864.4 3776020.3   424.4     3.66     2.33
2.89     YES
 L0034510         0   0.17610E-06  463869.4 3776020.4   424.4     3.66     2.33
2.89     YES
 L0034511         0   0.17610E-06  463874.4 3776020.6   424.3     3.66     2.33
2.89     YES
 L0034512         0   0.17610E-06  463879.4 3776020.8   424.2     3.66     2.33
2.89     YES
 L0034513         0   0.17610E-06  463884.4 3776021.0   424.2     3.66     2.33
2.89     YES
 L0034514         0   0.17610E-06  463889.4 3776021.1   424.1     3.66     2.33
2.89     YES
 L0034515         0   0.17610E-06  463894.4 3776021.3   424.1     3.66     2.33
2.89     YES
 L0034516         0   0.17610E-06  463899.4 3776021.5   424.0     3.66     2.33
2.89     YES
 L0034517         0   0.17610E-06  463904.3 3776021.6   423.9     3.66     2.33
2.89     YES
 L0034518         0   0.17610E-06  463909.3 3776021.8   423.9     3.66     2.33
2.89     YES
 L0034519         0   0.17610E-06  463914.3 3776022.0   423.9     3.66     2.33
2.89     YES
 L0034520         0   0.17610E-06  463919.3 3776022.2   423.8     3.66     2.33
2.89     YES
 L0034521         0   0.17610E-06  463924.3 3776022.3   423.8     3.66     2.33
2.89     YES
 L0034522         0   0.17610E-06  463929.3 3776022.5   423.8     3.66     2.33
2.89     YES
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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0034523	0	0.17610E-06	463934.3	3776022.7	423.8	3.66	2.33	2.89	YES
L0034524	0	0.17610E-06	463939.3	3776022.9	423.7	3.66	2.33	2.89	YES
L0034525	0	0.17610E-06	463944.3	3776023.0	423.7	3.66	2.33	2.89	YES
L0034526	0	0.17610E-06	463949.3	3776023.2	423.7	3.66	2.33	2.89	YES
L0034527	0	0.17610E-06	463954.3	3776023.4	423.7	3.66	2.33	2.89	YES
L0034528	0	0.17610E-06	463959.3	3776023.5	423.7	3.66	2.33	2.89	YES
L0034529	0	0.17610E-06	463964.3	3776023.7	423.7	3.66	2.33	2.89	YES
L0034530	0	0.17610E-06	463969.3	3776023.9	423.7	3.66	2.33	2.89	YES
L0034531	0	0.17610E-06	463974.3	3776024.1	423.7	3.66	2.33	2.89	YES
L0034532	0	0.17610E-06	463971.0	3776023.2	423.7	3.66	2.33	2.89	YES
L0034533	0	0.17610E-06	463966.1	3776022.2	423.7	3.66	2.33	2.89	YES
L0034534	0	0.17610E-06	463961.2	3776021.2	423.7	3.66	2.33	2.89	YES
L0034535	0	0.17610E-06	463956.3	3776020.2	423.6	3.66	2.33	2.89	YES
L0034536	0	0.17610E-06	463951.4	3776019.2	423.6	3.66	2.33	2.89	YES
L0034537	0	0.17610E-06	463946.5	3776018.2	423.6	3.66	2.33	2.89	YES
L0034538	0	0.17610E-06	463941.6	3776017.2	423.6	3.66	2.33	2.89	YES
L0034539	0	0.17610E-06	463936.7	3776016.2	423.6	3.66	2.33	2.89	YES
L0034540	0	0.17610E-06	463931.8	3776015.2	423.6	3.66	2.33	2.89	YES
L0034541	0	0.17610E-06	463926.9	3776014.2	423.6	3.66	2.33	2.89	YES
L0034542	0	0.17610E-06	463922.0	3776013.2	423.6	3.66	2.33	2.89	YES
L0034543	0	0.17610E-06	463917.1	3776012.2	423.6	3.66	2.33	2.89	YES
L0034544	0	0.17610E-06	463912.2	3776011.2	423.7	3.66	2.33	2.89	YES
L0034545	0	0.17610E-06	463907.3	3776010.2	423.7	3.66	2.33	2.89	YES
L0034546	0	0.17610E-06	463902.4	3776009.2	423.8	3.66	2.33	2.89	YES

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 L0034547         0   0.17610E-06  463897.5 3776008.2   423.8     3.66     2.33
2.89     YES
 L0034548         0   0.17610E-06  463892.6 3776007.2   423.9     3.66     2.33
2.89     YES
 L0034549         0   0.17610E-06  463887.7 3776006.2   423.9     3.66     2.33
2.89     YES
 L0034550         0   0.17610E-06  463882.8 3776005.2   424.0     3.66     2.33
2.89     YES
 L0034551         0   0.17610E-06  463877.9 3776004.2   424.0     3.66     2.33
2.89     YES
 L0034552         0   0.17610E-06  463873.0 3776003.2   424.1     3.66     2.33
2.89     YES
 L0034553         0   0.17610E-06  463868.1 3776002.1   424.1     3.66     2.33
2.89     YES
 L0034554         0   0.17610E-06  463863.2 3776001.1   424.1     3.66     2.33
2.89     YES
 L0034555         0   0.17610E-06  463858.3 3776000.1   424.1     3.66     2.33
2.89     YES
 L0034556         0   0.17610E-06  463853.4 3775999.1   424.1     3.66     2.33
2.89     YES
 L0034557         0   0.17610E-06  463848.5 3775998.1   424.1     3.66     2.33
2.89     YES
 L0034558         0   0.17610E-06  463843.7 3775997.1   424.0     3.66     2.33
2.89     YES
 L0034559         0   0.17610E-06  463838.8 3775996.1   423.9     3.66     2.33
2.89     YES
 L0034560         0   0.17610E-06  463837.5 3775995.6   423.9     3.66     2.33
2.89     YES
 L0034561         0   0.17610E-06  463842.5 3775995.8   424.0     3.66     2.33
2.89     YES
 L0034562         0   0.17610E-06  463847.5 3775996.0   424.0     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034563	0	0.17610E-06	463852.5	3775996.2	424.0	3.66	2.33	2.89	YES
L0034564	0	0.17610E-06	463857.5	3775996.4	424.0	3.66	2.33	2.89	YES
L0034565	0	0.17610E-06	463862.5	3775996.6	424.0	3.66	2.33	2.89	YES
L0034566	0	0.17610E-06	463867.5	3775996.8	424.0	3.66	2.33	2.89	YES
L0034567	0	0.17610E-06	463872.5	3775997.0	424.0	3.66	2.33	2.89	YES
L0034568	0	0.17610E-06	463877.5	3775997.2	423.9	3.66	2.33	2.89	YES
L0034569	0	0.17610E-06	463882.5	3775997.4	423.9	3.66	2.33	2.89	YES
L0034570	0	0.17610E-06	463887.5	3775997.6	423.8	3.66	2.33	2.89	YES
L0034571	0	0.17610E-06	463892.5	3775997.8	423.8	3.66	2.33	2.89	YES
L0034572	0	0.17610E-06	463897.5	3775998.0	423.7	3.66	2.33	2.89	YES
L0034573	0	0.17610E-06	463902.5	3775998.2	423.6	3.66	2.33	2.89	YES
L0034574	0	0.17610E-06	463907.5	3775998.4	423.6	3.66	2.33	2.89	YES
L0034575	0	0.17610E-06	463912.5	3775998.6	423.5	3.66	2.33	2.89	YES
L0034576	0	0.17610E-06	463917.5	3775998.8	423.4	3.66	2.33	2.89	YES
L0034577	0	0.17610E-06	463922.5	3775999.0	423.4	3.66	2.33	2.89	YES
L0034578	0	0.17610E-06	463927.5	3775999.2	423.4	3.66	2.33	2.89	YES
L0034579	0	0.17610E-06	463932.5	3775999.4	423.3	3.66	2.33	2.89	YES
L0034580	0	0.17610E-06	463937.5	3775999.6	423.3	3.66	2.33	2.89	YES
L0034581	0	0.17610E-06	463942.5	3775999.8	423.2	3.66	2.33	2.89	YES
L0034582	0	0.17610E-06	463947.5	3776000.0	423.2	3.66	2.33	2.89	YES
L0034583	0	0.17610E-06	463952.5	3776000.2	423.2	3.66	2.33	2.89	YES
L0034584	0	0.17610E-06	463957.5	3776000.4	423.2	3.66	2.33	2.89	YES
L0034585	0	0.17610E-06	463962.4	3776000.6	423.2	3.66	2.33	2.89	YES
L0034586	0	0.17610E-06	463967.4	3776000.8	423.2	3.66	2.33	2.89	YES

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 L0034587         0   0.17610E-06  463972.4 3776001.0   423.2     3.66     2.33
2.89     YES
 L0034588         0   0.17610E-06  463977.4 3776001.2   423.2     3.66     2.33
2.89     YES
 L0034589         0   0.17610E-06  463982.4 3776001.4   423.2     3.66     2.33
2.89     YES
 L0034590         0   0.17610E-06  463987.4 3776001.6   423.2     3.66     2.33
2.89     YES
 L0034591         0   0.17610E-06  463992.4 3776001.8   423.2     3.66     2.33
2.89     YES
 L0034592         0   0.17610E-06  463997.4 3776002.0   423.2     3.66     2.33
2.89     YES
 L0034593         0   0.17610E-06  464002.4 3776002.2   423.2     3.66     2.33
2.89     YES
 L0034594         0   0.17610E-06  464007.4 3776002.5   423.2     3.66     2.33
2.89     YES
 L0034595         0   0.17610E-06  464011.7 3776002.6   423.1     3.66     2.33
2.89     YES
 L0034596         0   0.17610E-06  464006.8 3776001.5   423.2     3.66     2.33
2.89     YES
 L0034597         0   0.17610E-06  464001.9 3776000.4   423.2     3.66     2.33
2.89     YES
 L0034598         0   0.17610E-06  463997.1 3775999.3   423.2     3.66     2.33
2.89     YES
 L0034599         0   0.17610E-06  463992.2 3775998.2   423.2     3.66     2.33
2.89     YES
 L0034600         0   0.17610E-06  463987.3 3775997.2   423.2     3.66     2.33
2.89     YES
 L0034601         0   0.17610E-06  463982.4 3775996.1   423.1     3.66     2.33
2.89     YES
 L0034602         0   0.17610E-06  463977.5 3775995.0   423.1     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034603	0	0.17610E-06	463972.7	3775993.9	423.1	3.66	2.33	2.89 YES
L0034604	0	0.17610E-06	463967.8	3775992.8	423.1	3.66	2.33	2.89 YES
L0034605	0	0.17610E-06	463962.9	3775991.8	423.1	3.66	2.33	2.89 YES
L0034606	0	0.17610E-06	463958.0	3775990.7	423.1	3.66	2.33	2.89 YES
L0034607	0	0.17610E-06	463953.1	3775989.6	423.1	3.66	2.33	2.89 YES
L0034608	0	0.17610E-06	463948.2	3775988.5	423.1	3.66	2.33	2.89 YES
L0034609	0	0.17610E-06	463943.4	3775987.4	423.1	3.66	2.33	2.89 YES
L0034610	0	0.17610E-06	463938.5	3775986.3	423.1	3.66	2.33	2.89 YES
L0034611	0	0.17610E-06	463933.6	3775985.3	423.1	3.66	2.33	2.89 YES
L0034612	0	0.17610E-06	463928.7	3775984.2	423.2	3.66	2.33	2.89 YES
L0034613	0	0.17610E-06	463923.8	3775983.1	423.2	3.66	2.33	2.89 YES
L0034614	0	0.17610E-06	463919.0	3775982.0	423.2	3.66	2.33	2.89 YES
L0034615	0	0.17610E-06	463914.1	3775980.9	423.3	3.66	2.33	2.89 YES
L0034616	0	0.17610E-06	463909.2	3775979.9	423.3	3.66	2.33	2.89 YES
L0034617	0	0.17610E-06	463904.3	3775978.8	423.4	3.66	2.33	2.89 YES
L0034618	0	0.17610E-06	463899.4	3775977.7	423.5	3.66	2.33	2.89 YES
L0034619	0	0.17610E-06	463894.5	3775976.6	423.5	3.66	2.33	2.89 YES
L0034620	0	0.17610E-06	463889.7	3775975.5	423.5	3.66	2.33	2.89 YES
L0034621	0	0.17610E-06	463884.8	3775974.5	423.5	3.66	2.33	2.89 YES
L0034622	0	0.17610E-06	463879.9	3775973.4	423.5	3.66	2.33	2.89 YES
L0034623	0	0.17610E-06	463875.0	3775972.3	423.5	3.66	2.33	2.89 YES
L0034624	0	0.17610E-06	463870.1	3775971.2	423.6	3.66	2.33	2.89 YES
L0034625	0	0.17610E-06	463865.3	3775970.1	423.5	3.66	2.33	2.89 YES
L0034626	0	0.17610E-06	463860.4	3775969.0	423.5	3.66	2.33	2.89 YES

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 L0034627         0   0.17610E-06  463855.5 3775968.0   423.5     3.66     2.33
2.89     YES
 L0034628         0   0.17610E-06  463850.6 3775966.9   423.5     3.66     2.33
2.89     YES
 L0034629         0   0.17610E-06  463845.7 3775965.8   423.5     3.66     2.33
2.89     YES
 L0034630         0   0.17610E-06  463840.8 3775964.7   423.5     3.66     2.33
2.89     YES
 L0034631         0   0.17610E-06  463836.0 3775963.6   423.4     3.66     2.33
2.89     YES
 L0034632         0   0.17610E-06  463838.0 3775963.7   423.4     3.66     2.33
2.89     YES
 L0034633         0   0.17610E-06  463842.9 3775964.3   423.5     3.66     2.33
2.89     YES
 L0034634         0   0.17610E-06  463847.9 3775964.9   423.5     3.66     2.33
2.89     YES
 L0034635         0   0.17610E-06  463852.9 3775965.5   423.5     3.66     2.33
2.89     YES
 L0034636         0   0.17610E-06  463857.8 3775966.1   423.5     3.66     2.33
2.89     YES
 L0034637         0   0.17610E-06  463862.8 3775966.7   423.5     3.66     2.33
2.89     YES
 L0034638         0   0.17610E-06  463867.7 3775967.3   423.5     3.66     2.33
2.89     YES
 L0034639         0   0.17610E-06  463872.7 3775967.9   423.4     3.66     2.33
2.89     YES
 L0034640         0   0.17610E-06  463877.7 3775968.5   423.4     3.66     2.33
2.89     YES
 L0034641         0   0.17610E-06  463882.6 3775969.1   423.4     3.66     2.33
2.89     YES
 L0034642         0   0.17610E-06  463887.6 3775969.7   423.4     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034643	0	0.17610E-06	463892.6	3775970.2	423.4	3.66	2.33	2.89 YES
L0034644	0	0.17610E-06	463897.5	3775970.8	423.4	3.66	2.33	2.89 YES
L0034645	0	0.17610E-06	463902.5	3775971.4	423.3	3.66	2.33	2.89 YES
L0034646	0	0.17610E-06	463907.5	3775972.0	423.2	3.66	2.33	2.89 YES
L0034647	0	0.17610E-06	463912.4	3775972.6	423.2	3.66	2.33	2.89 YES
L0034648	0	0.17610E-06	463917.4	3775973.2	423.1	3.66	2.33	2.89 YES
L0034649	0	0.17610E-06	463922.4	3775973.8	423.1	3.66	2.33	2.89 YES
L0034650	0	0.17610E-06	463927.3	3775974.4	423.0	3.66	2.33	2.89 YES
L0034651	0	0.17610E-06	463932.3	3775975.0	423.0	3.66	2.33	2.89 YES
L0034652	0	0.17610E-06	463937.3	3775975.6	422.9	3.66	2.33	2.89 YES
L0034653	0	0.17610E-06	463942.2	3775976.2	422.9	3.66	2.33	2.89 YES
L0034654	0	0.17610E-06	463947.2	3775976.8	422.9	3.66	2.33	2.89 YES
L0034655	0	0.17610E-06	463952.1	3775977.4	422.9	3.66	2.33	2.89 YES
L0034656	0	0.17610E-06	463957.1	3775977.9	422.9	3.66	2.33	2.89 YES
L0034657	0	0.17610E-06	463962.1	3775978.5	422.9	3.66	2.33	2.89 YES
L0034658	0	0.17610E-06	463967.0	3775979.1	422.9	3.66	2.33	2.89 YES
L0034659	0	0.17610E-06	463972.0	3775979.7	422.9	3.66	2.33	2.89 YES
L0034660	0	0.17610E-06	463977.0	3775980.3	422.9	3.66	2.33	2.89 YES
L0034661	0	0.17610E-06	463981.9	3775980.9	422.9	3.66	2.33	2.89 YES
L0034662	0	0.17610E-06	463986.9	3775981.5	423.0	3.66	2.33	2.89 YES
L0034663	0	0.17610E-06	463991.9	3775982.1	423.0	3.66	2.33	2.89 YES
L0034664	0	0.17610E-06	463996.8	3775982.7	423.1	3.66	2.33	2.89 YES
L0034665	0	0.17610E-06	464001.8	3775983.3	423.1	3.66	2.33	2.89 YES
L0034666	0	0.17610E-06	464006.8	3775983.9	423.0	3.66	2.33	2.89 YES

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 L0034667         0   0.17610E-06  464011.7 3775984.5   423.0     3.66     2.33
2.89     YES
 L0034668         0   0.17610E-06  464016.7 3775985.1   423.0     3.66     2.33
2.89     YES
 L0034669         0   0.17610E-06  464021.7 3775985.6   423.0     3.66     2.33
2.89     YES
 L0034670         0   0.17610E-06  464026.6 3775986.2   422.9     3.66     2.33
2.89     YES
 L0034671         0   0.17610E-06  464031.6 3775986.8   422.9     3.66     2.33
2.89     YES
 L0034672         0   0.17610E-06  464036.5 3775987.4   422.8     3.66     2.33
2.89     YES
 L0034673         0   0.17610E-06  464041.5 3775988.0   422.8     3.66     2.33
2.89     YES
 L0034674         0   0.17610E-06  464042.0 3775987.8   422.8     3.66     2.33
2.89     YES
 L0034675         0   0.17610E-06  464037.2 3775986.5   422.8     3.66     2.33
2.89     YES
 L0034676         0   0.17610E-06  464032.3 3775985.3   422.9     3.66     2.33
2.89     YES
 L0034677         0   0.17610E-06  464027.5 3775984.1   422.9     3.66     2.33
2.89     YES
 L0034678         0   0.17610E-06  464022.7 3775982.8   422.9     3.66     2.33
2.89     YES
 L0034679         0   0.17610E-06  464017.8 3775981.6   423.0     3.66     2.33
2.89     YES
 L0034680         0   0.17610E-06  464013.0 3775980.3   423.0     3.66     2.33
2.89     YES
 L0034681         0   0.17610E-06  464008.1 3775979.1   423.0     3.66     2.33
2.89     YES
 L0034682         0   0.17610E-06  464003.3 3775977.9   423.0     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034683	0	0.17610E-06	463998.4	3775976.6	423.0	3.66	2.33	2.89 YES
L0034684	0	0.17610E-06	463993.6	3775975.4	422.9	3.66	2.33	2.89 YES
L0034685	0	0.17610E-06	463988.7	3775974.2	422.9	3.66	2.33	2.89 YES
L0034686	0	0.17610E-06	463983.9	3775972.9	422.8	3.66	2.33	2.89 YES
L0034687	0	0.17610E-06	463979.1	3775971.7	422.8	3.66	2.33	2.89 YES
L0034688	0	0.17610E-06	463974.2	3775970.4	422.7	3.66	2.33	2.89 YES
L0034689	0	0.17610E-06	463969.4	3775969.2	422.7	3.66	2.33	2.89 YES
L0034690	0	0.17610E-06	463964.5	3775968.0	422.7	3.66	2.33	2.89 YES
L0034691	0	0.17610E-06	463959.7	3775966.7	422.7	3.66	2.33	2.89 YES
L0034692	0	0.17610E-06	463954.8	3775965.5	422.7	3.66	2.33	2.89 YES
L0034693	0	0.17610E-06	463950.0	3775964.2	422.7	3.66	2.33	2.89 YES
L0034694	0	0.17610E-06	463945.1	3775963.0	422.7	3.66	2.33	2.89 YES
L0034695	0	0.17610E-06	463940.3	3775961.8	422.7	3.66	2.33	2.89 YES
L0034696	0	0.17610E-06	463935.5	3775960.5	422.8	3.66	2.33	2.89 YES
L0034697	0	0.17610E-06	463930.6	3775959.3	422.8	3.66	2.33	2.89 YES
L0034698	0	0.17610E-06	463925.8	3775958.1	422.8	3.66	2.33	2.89 YES
L0034699	0	0.17610E-06	463920.9	3775956.8	422.9	3.66	2.33	2.89 YES
L0034700	0	0.17610E-06	463916.1	3775955.6	422.9	3.66	2.33	2.89 YES
L0034701	0	0.17610E-06	463911.2	3775954.3	422.9	3.66	2.33	2.89 YES
L0034702	0	0.17610E-06	463906.4	3775953.1	422.9	3.66	2.33	2.89 YES
L0034703	0	0.17610E-06	463901.5	3775951.9	422.9	3.66	2.33	2.89 YES
L0034704	0	0.17610E-06	463896.7	3775950.6	422.9	3.66	2.33	2.89 YES
L0034705	0	0.17610E-06	463891.9	3775949.4	422.9	3.66	2.33	2.89 YES
L0034706	0	0.17610E-06	463887.0	3775948.1	422.9	3.66	2.33	2.89 YES

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 L0034707         0   0.17610E-06  463882.2 3775946.9   422.9     3.66     2.33
2.89     YES
 L0034708         0   0.17610E-06  463877.3 3775945.7   422.9     3.66     2.33
2.89     YES
 L0034709         0   0.17610E-06  463872.5 3775944.4   422.9     3.66     2.33
2.89     YES
 L0034710         0   0.17610E-06  463867.6 3775943.2   422.9     3.66     2.33
2.89     YES
 L0034711         0   0.17610E-06  463862.8 3775941.9   422.9     3.66     2.33
2.89     YES
 L0034712         0   0.17610E-06  463858.0 3775940.7   423.0     3.66     2.33
2.89     YES
 L0034713         0   0.17610E-06  463853.1 3775939.5   423.0     3.66     2.33
2.89     YES
 L0034714         0   0.17610E-06  463848.3 3775938.2   423.0     3.66     2.33
2.89     YES
 L0034715         0   0.17610E-06  463843.4 3775937.0   423.1     3.66     2.33
2.89     YES
 L0034716         0   0.17610E-06  463838.6 3775935.8   423.0     3.66     2.33
2.89     YES
 L0034717         0   0.17610E-06  463835.3 3775934.8   423.0     3.66     2.33
2.89     YES
 L0034718         0   0.17610E-06  463840.2 3775935.6   423.0     3.66     2.33
2.89     YES
 L0034719         0   0.17610E-06  463845.2 3775936.3   423.0     3.66     2.33
2.89     YES
 L0034720         0   0.17610E-06  463850.1 3775937.1   423.0     3.66     2.33
2.89     YES
 L0034721         0   0.17610E-06  463855.0 3775937.8   422.9     3.66     2.33
2.89     YES
 L0034722         0   0.17610E-06  463860.0 3775938.6   422.9     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034723	0	0.17610E-06	463864.9	3775939.3	422.9	3.66	2.33	2.89	YES
L0034724	0	0.17610E-06	463869.9	3775940.1	422.8	3.66	2.33	2.89	YES
L0034725	0	0.17610E-06	463874.8	3775940.8	422.8	3.66	2.33	2.89	YES
L0034726	0	0.17610E-06	463879.8	3775941.6	422.8	3.66	2.33	2.89	YES
L0034727	0	0.17610E-06	463884.7	3775942.3	422.8	3.66	2.33	2.89	YES
L0034728	0	0.17610E-06	463889.6	3775943.1	422.8	3.66	2.33	2.89	YES
L0034729	0	0.17610E-06	463894.6	3775943.8	422.8	3.66	2.33	2.89	YES
L0034730	0	0.17610E-06	463899.5	3775944.6	422.8	3.66	2.33	2.89	YES
L0034731	0	0.17610E-06	463904.5	3775945.3	422.8	3.66	2.33	2.89	YES
L0034732	0	0.17610E-06	463909.4	3775946.1	422.8	3.66	2.33	2.89	YES
L0034733	0	0.17610E-06	463914.4	3775946.8	422.8	3.66	2.33	2.89	YES
L0034734	0	0.17610E-06	463919.3	3775947.6	422.7	3.66	2.33	2.89	YES
L0034735	0	0.17610E-06	463924.3	3775948.3	422.7	3.66	2.33	2.89	YES
L0034736	0	0.17610E-06	463929.2	3775949.1	422.7	3.66	2.33	2.89	YES
L0034737	0	0.17610E-06	463934.1	3775949.8	422.6	3.66	2.33	2.89	YES
L0034738	0	0.17610E-06	463939.1	3775950.6	422.6	3.66	2.33	2.89	YES
L0034739	0	0.17610E-06	463944.0	3775951.3	422.6	3.66	2.33	2.89	YES
L0034740	0	0.17610E-06	463949.0	3775952.1	422.5	3.66	2.33	2.89	YES
L0034741	0	0.17610E-06	463953.9	3775952.8	422.5	3.66	2.33	2.89	YES
L0034742	0	0.17610E-06	463958.9	3775953.6	422.5	3.66	2.33	2.89	YES
L0034743	0	0.17610E-06	463963.8	3775954.3	422.5	3.66	2.33	2.89	YES
L0034744	0	0.17610E-06	463968.7	3775955.1	422.4	3.66	2.33	2.89	YES
L0034745	0	0.17610E-06	463973.7	3775955.8	422.4	3.66	2.33	2.89	YES
L0034746	0	0.17610E-06	463978.6	3775956.6	422.5	3.66	2.33	2.89	YES

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 L0034747         0   0.17610E-06  463983.6 3775957.3   422.5     3.66     2.33
2.89     YES
 L0034748         0   0.17610E-06  463988.5 3775958.1   422.6     3.66     2.33
2.89     YES
 L0034749         0   0.17610E-06  463993.5 3775958.8   422.6     3.66     2.33
2.89     YES
 L0034750         0   0.17610E-06  463998.4 3775959.6   422.7     3.66     2.33
2.89     YES
 L0034751         0   0.17610E-06  464003.3 3775960.3   422.7     3.66     2.33
2.89     YES
 L0034752         0   0.17610E-06  464008.3 3775961.1   422.7     3.66     2.33
2.89     YES
 L0034753         0   0.17610E-06  464013.2 3775961.8   422.6     3.66     2.33
2.89     YES
 L0034754         0   0.17610E-06  464018.2 3775962.6   422.6     3.66     2.33
2.89     YES
 L0034755         0   0.17610E-06  464023.1 3775963.3   422.6     3.66     2.33
2.89     YES
 L0034756         0   0.17610E-06  464028.1 3775964.1   422.6     3.66     2.33
2.89     YES
 L0034757         0   0.17610E-06  464033.0 3775964.8   422.6     3.66     2.33
2.89     YES
 L0034758         0   0.17610E-06  464038.0 3775965.6   422.5     3.66     2.33
2.89     YES
 L0034759         0   0.17610E-06  464042.9 3775966.3   422.5     3.66     2.33
2.89     YES
 L0034760         0   0.17610E-06  464047.8 3775967.1   422.5     3.66     2.33
2.89     YES
 L0034761         0   0.17610E-06  464052.8 3775967.8   422.4     3.66     2.33
2.89     YES
 L0034762         0   0.17610E-06  464057.7 3775968.6   422.4     3.66     2.33
2.89     YES
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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034763	0	0.17610E-06	464062.7	3775969.3	422.4	3.66	2.33	2.89 YES
L0034764	0	0.17610E-06	464067.6	3775970.1	422.4	3.66	2.33	2.89 YES
L0034765	0	0.17610E-06	464072.6	3775970.8	422.4	3.66	2.33	2.89 YES
L0034766	0	0.17610E-06	464077.5	3775971.6	422.3	3.66	2.33	2.89 YES
L0034767	0	0.17610E-06	464082.4	3775972.3	422.3	3.66	2.33	2.89 YES
L0034768	0	0.17610E-06	464084.5	3775972.5	422.3	3.66	2.33	2.89 YES
L0034769	0	0.17610E-06	464079.7	3775971.2	422.3	3.66	2.33	2.89 YES
L0034770	0	0.17610E-06	464074.8	3775970.0	422.3	3.66	2.33	2.89 YES
L0034771	0	0.17610E-06	464070.0	3775968.7	422.3	3.66	2.33	2.89 YES
L0034772	0	0.17610E-06	464065.1	3775967.5	422.4	3.66	2.33	2.89 YES
L0034773	0	0.17610E-06	464060.3	3775966.3	422.4	3.66	2.33	2.89 YES
L0034774	0	0.17610E-06	464055.5	3775965.0	422.4	3.66	2.33	2.89 YES
L0034775	0	0.17610E-06	464050.6	3775963.8	422.4	3.66	2.33	2.89 YES
L0034776	0	0.17610E-06	464045.8	3775962.5	422.4	3.66	2.33	2.89 YES
L0034777	0	0.17610E-06	464040.9	3775961.3	422.4	3.66	2.33	2.89 YES
L0034778	0	0.17610E-06	464036.1	3775960.0	422.4	3.66	2.33	2.89 YES
L0034779	0	0.17610E-06	464031.2	3775958.8	422.5	3.66	2.33	2.89 YES
L0034780	0	0.17610E-06	464026.4	3775957.5	422.5	3.66	2.33	2.89 YES
L0034781	0	0.17610E-06	464021.6	3775956.3	422.5	3.66	2.33	2.89 YES
L0034782	0	0.17610E-06	464016.7	3775955.1	422.5	3.66	2.33	2.89 YES
L0034783	0	0.17610E-06	464011.9	3775953.8	422.5	3.66	2.33	2.89 YES
L0034784	0	0.17610E-06	464007.0	3775952.6	422.5	3.66	2.33	2.89 YES
L0034785	0	0.17610E-06	464002.2	3775951.3	422.5	3.66	2.33	2.89 YES
L0034786	0	0.17610E-06	463997.3	3775950.1	422.4	3.66	2.33	2.89 YES

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 L0034787         0   0.17610E-06  463992.5 3775948.8   422.4     3.66     2.33
2.89     YES
 L0034788         0   0.17610E-06  463987.7 3775947.6   422.4     3.66     2.33
2.89     YES
 L0034789         0   0.17610E-06  463982.8 3775946.3   422.3     3.66     2.33
2.89     YES
 L0034790         0   0.17610E-06  463978.0 3775945.1   422.3     3.66     2.33
2.89     YES
 L0034791         0   0.17610E-06  463973.1 3775943.9   422.2     3.66     2.33
2.89     YES
 L0034792         0   0.17610E-06  463968.3 3775942.6   422.2     3.66     2.33
2.89     YES
 L0034793         0   0.17610E-06  463963.5 3775941.4   422.2     3.66     2.33
2.89     YES
 L0034794         0   0.17610E-06  463958.6 3775940.1   422.3     3.66     2.33
2.89     YES
 L0034795         0   0.17610E-06  463953.8 3775938.9   422.3     3.66     2.33
2.89     YES
 L0034796         0   0.17610E-06  463948.9 3775937.6   422.3     3.66     2.33
2.89     YES
 L0034797         0   0.17610E-06  463944.1 3775936.4   422.3     3.66     2.33
2.89     YES
 L0034798         0   0.17610E-06  463939.2 3775935.1   422.4     3.66     2.33
2.89     YES
 L0034799         0   0.17610E-06  463934.4 3775933.9   422.4     3.66     2.33
2.89     YES
 L0034800         0   0.17610E-06  463929.6 3775932.7   422.4     3.66     2.33
2.89     YES
 L0034801         0   0.17610E-06  463924.7 3775931.4   422.4     3.66     2.33
2.89     YES
 L0034802         0   0.17610E-06  463919.9 3775930.2   422.4     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034787	0	0.17610E-06	463992.5	3775948.8	422.4	3.66	2.33	2.89	YES	
L0034788	0	0.17610E-06	463987.7	3775947.6	422.4	3.66	2.33	2.89	YES	
L0034789	0	0.17610E-06	463982.8	3775946.3	422.3	3.66	2.33	2.89	YES	
L0034790	0	0.17610E-06	463978.0	3775945.1	422.3	3.66	2.33	2.89	YES	
L0034791	0	0.17610E-06	463973.1	3775943.9	422.2	3.66	2.33	2.89	YES	
L0034792	0	0.17610E-06	463968.3	3775942.6	422.2	3.66	2.33	2.89	YES	
L0034793	0	0.17610E-06	463963.5	3775941.4	422.2	3.66	2.33	2.89	YES	
L0034794	0	0.17610E-06	463958.6	3775940.1	422.3	3.66	2.33	2.89	YES	
L0034795	0	0.17610E-06	463953.8	3775938.9	422.3	3.66	2.33	2.89	YES	
L0034796	0	0.17610E-06	463948.9	3775937.6	422.3	3.66	2.33	2.89	YES	
L0034797	0	0.17610E-06	463944.1	3775936.4	422.3	3.66	2.33	2.89	YES	
L0034798	0	0.17610E-06	463939.2	3775935.1	422.4	3.66	2.33	2.89	YES	
L0034799	0	0.17610E-06	463934.4	3775933.9	422.4	3.66	2.33	2.89	YES	
L0034800	0	0.17610E-06	463929.6	3775932.7	422.4	3.66	2.33	2.89	YES	
L0034801	0	0.17610E-06	463924.7	3775931.4	422.4	3.66	2.33	2.89	YES	
L0034802	0	0.17610E-06	463919.9	3775930.2	422.4	3.66	2.33	2.89	YES	

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L0034803	0	0.17610E-06	463915.0	3775928.9	422.4	3.66	2.33	2.89	YES
L0034804	0	0.17610E-06	463910.2	3775927.7	422.4	3.66	2.33	2.89	YES
L0034805	0	0.17610E-06	463905.3	3775926.4	422.4	3.66	2.33	2.89	YES
L0034806	0	0.17610E-06	463900.5	3775925.2	422.4	3.66	2.33	2.89	YES
L0034807	0	0.17610E-06	463895.7	3775923.9	422.4	3.66	2.33	2.89	YES
L0034808	0	0.17610E-06	463890.8	3775922.7	422.4	3.66	2.33	2.89	YES
L0034809	0	0.17610E-06	463886.0	3775921.5	422.4	3.66	2.33	2.89	YES
L0034810	0	0.17610E-06	463881.1	3775920.2	422.4	3.66	2.33	2.89	YES
L0034811	0	0.17610E-06	463876.3	3775919.0	422.4	3.66	2.33	2.89	YES
L0034812	0	0.17610E-06	463871.4	3775917.7	422.4	3.66	2.33	2.89	YES
L0034813	0	0.17610E-06	463866.6	3775916.5	422.4	3.66	2.33	2.89	YES
L0034814	0	0.17610E-06	463861.8	3775915.2	422.4	3.66	2.33	2.89	YES
L0034815	0	0.17610E-06	463856.9	3775914.0	422.5	3.66	2.33	2.89	YES
L0034816	0	0.17610E-06	463852.1	3775912.7	422.6	3.66	2.33	2.89	YES
L0034817	0	0.17610E-06	463847.2	3775911.5	422.6	3.66	2.33	2.89	YES
L0034818	0	0.17610E-06	463842.4	3775910.3	422.6	3.66	2.33	2.89	YES
L0034819	0	0.17610E-06	463837.5	3775909.0	422.6	3.66	2.33	2.89	YES
L0034820	0	0.17610E-06	463832.7	3775907.8	422.6	3.66	2.33	2.89	YES
L0034821	0	0.17610E-06	463834.0	3775907.8	422.6	3.66	2.33	2.89	YES
L0034822	0	0.17610E-06	463839.0	3775908.7	422.6	3.66	2.33	2.89	YES
L0034823	0	0.17610E-06	463843.9	3775909.5	422.6	3.66	2.33	2.89	YES
L0034824	0	0.17610E-06	463848.8	3775910.3	422.6	3.66	2.33	2.89	YES
L0034825	0	0.17610E-06	463853.8	3775911.2	422.5	3.66	2.33	2.89	YES
L0034826	0	0.17610E-06	463858.7	3775912.0	422.4	3.66	2.33	2.89	YES

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 L0034827         0   0.17610E-06  463863.6 3775912.8   422.4     3.66     2.33
2.89     YES
 L0034828         0   0.17610E-06  463868.5 3775913.7   422.3     3.66     2.33
2.89     YES
 L0034829         0   0.17610E-06  463873.5 3775914.5   422.3     3.66     2.33
2.89     YES
 L0034830         0   0.17610E-06  463878.4 3775915.3   422.3     3.66     2.33
2.89     YES
 L0034831         0   0.17610E-06  463883.3 3775916.2   422.3     3.66     2.33
2.89     YES
 L0034832         0   0.17610E-06  463888.3 3775917.0   422.3     3.66     2.33
2.89     YES
 L0034833         0   0.17610E-06  463893.2 3775917.9   422.3     3.66     2.33
2.89     YES
 L0034834         0   0.17610E-06  463898.1 3775918.7   422.3     3.66     2.33
2.89     YES
 L0034835         0   0.17610E-06  463903.0 3775919.5   422.3     3.66     2.33
2.89     YES
 L0034836         0   0.17610E-06  463908.0 3775920.4   422.3     3.66     2.33
2.89     YES
 L0034837         0   0.17610E-06  463912.9 3775921.2   422.3     3.66     2.33
2.89     YES
 L0034838         0   0.17610E-06  463917.8 3775922.0   422.3     3.66     2.33
2.89     YES
 L0034839         0   0.17610E-06  463922.8 3775922.9   422.3     3.66     2.33
2.89     YES
 L0034840         0   0.17610E-06  463927.7 3775923.7   422.2     3.66     2.33
2.89     YES
 L0034841         0   0.17610E-06  463932.6 3775924.5   422.2     3.66     2.33
2.89     YES
 L0034842         0   0.17610E-06  463937.6 3775925.4   422.2     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034843	0	0.17610E-06	463942.5	3775926.2	422.2	3.66	2.33	2.89 YES
L0034844	0	0.17610E-06	463947.4	3775927.0	422.2	3.66	2.33	2.89 YES
L0034845	0	0.17610E-06	463952.3	3775927.9	422.1	3.66	2.33	2.89 YES
L0034846	0	0.17610E-06	463957.3	3775928.7	422.1	3.66	2.33	2.89 YES
L0034847	0	0.17610E-06	463962.2	3775929.5	422.1	3.66	2.33	2.89 YES
L0034848	0	0.17610E-06	463967.1	3775930.4	422.0	3.66	2.33	2.89 YES
L0034849	0	0.17610E-06	463972.1	3775931.2	422.0	3.66	2.33	2.89 YES
L0034850	0	0.17610E-06	463977.0	3775932.1	422.0	3.66	2.33	2.89 YES
L0034851	0	0.17610E-06	463981.9	3775932.9	422.1	3.66	2.33	2.89 YES
L0034852	0	0.17610E-06	463986.9	3775933.7	422.1	3.66	2.33	2.89 YES
L0034853	0	0.17610E-06	463991.8	3775934.6	422.1	3.66	2.33	2.89 YES
L0034854	0	0.17610E-06	463996.7	3775935.4	422.2	3.66	2.33	2.89 YES
L0034855	0	0.17610E-06	464001.6	3775936.2	422.2	3.66	2.33	2.89 YES
L0034856	0	0.17610E-06	464006.6	3775937.1	422.2	3.66	2.33	2.89 YES
L0034857	0	0.17610E-06	464011.5	3775937.9	422.2	3.66	2.33	2.89 YES
L0034858	0	0.17610E-06	464016.4	3775938.7	422.2	3.66	2.33	2.89 YES
L0034859	0	0.17610E-06	464021.4	3775939.6	422.1	3.66	2.33	2.89 YES
L0034860	0	0.17610E-06	464026.3	3775940.4	422.1	3.66	2.33	2.89 YES
L0034861	0	0.17610E-06	464031.2	3775941.2	422.1	3.66	2.33	2.89 YES
L0034862	0	0.17610E-06	464036.2	3775942.1	422.1	3.66	2.33	2.89 YES
L0034863	0	0.17610E-06	464041.1	3775942.9	422.1	3.66	2.33	2.89 YES
L0034864	0	0.17610E-06	464046.0	3775943.7	422.1	3.66	2.33	2.89 YES
L0034865	0	0.17610E-06	464050.9	3775944.6	422.1	3.66	2.33	2.89 YES
L0034866	0	0.17610E-06	464055.9	3775945.4	422.1	3.66	2.33	2.89 YES

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 L0034867         0   0.17610E-06  464060.8 3775946.3   422.1     3.66     2.33
2.89     YES
 L0034868         0   0.17610E-06  464065.7 3775947.1   422.1     3.66     2.33
2.89     YES
 L0034869         0   0.17610E-06  464070.7 3775947.9   422.1     3.66     2.33
2.89     YES
 L0034870         0   0.17610E-06  464075.6 3775948.8   422.1     3.66     2.33
2.89     YES
 L0034871         0   0.17610E-06  464080.5 3775949.6   422.1     3.66     2.33
2.89     YES
 L0034872         0   0.17610E-06  464085.4 3775950.4   422.1     3.66     2.33
2.89     YES
 L0034873         0   0.17610E-06  464090.4 3775951.3   422.1     3.66     2.33
2.89     YES
 L0034874         0   0.17610E-06  464095.3 3775952.1   422.1     3.66     2.33
2.89     YES
 L0034875         0   0.17610E-06  464100.2 3775952.9   422.0     3.66     2.33
2.89     YES
 L0034876         0   0.17610E-06  464105.2 3775953.8   422.0     3.66     2.33
2.89     YES
 L0034877         0   0.17610E-06  464110.1 3775954.6   422.0     3.66     2.33
2.89     YES
 L0034878         0   0.17610E-06  464115.0 3775955.4   422.0     3.66     2.33
2.89     YES
 L0034879         0   0.17610E-06  464118.7 3775956.0   422.0     3.66     2.33
2.89     YES
 L0034880         0   0.17610E-06  464113.8 3775954.8   422.0     3.66     2.33
2.89     YES
 L0034881         0   0.17610E-06  464109.0 3775953.5   422.0     3.66     2.33
2.89     YES
 L0034882         0   0.17610E-06  464104.1 3775952.3   422.0     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034883	0	0.17610E-06	464099.3	3775951.1	422.0	3.66	2.33	2.89 YES
L0034884	0	0.17610E-06	464094.4	3775949.9	422.0	3.66	2.33	2.89 YES
L0034885	0	0.17610E-06	464089.6	3775948.6	422.0	3.66	2.33	2.89 YES
L0034886	0	0.17610E-06	464084.7	3775947.4	422.0	3.66	2.33	2.89 YES
L0034887	0	0.17610E-06	464079.9	3775946.2	422.0	3.66	2.33	2.89 YES
L0034888	0	0.17610E-06	464075.0	3775945.0	422.0	3.66	2.33	2.89 YES
L0034889	0	0.17610E-06	464070.2	3775943.7	421.9	3.66	2.33	2.89 YES
L0034890	0	0.17610E-06	464065.3	3775942.5	421.9	3.66	2.33	2.89 YES
L0034891	0	0.17610E-06	464060.5	3775941.3	421.9	3.66	2.33	2.89 YES
L0034892	0	0.17610E-06	464055.6	3775940.1	421.9	3.66	2.33	2.89 YES
L0034893	0	0.17610E-06	464050.8	3775938.8	421.9	3.66	2.33	2.89 YES
L0034894	0	0.17610E-06	464046.0	3775937.6	421.9	3.66	2.33	2.89 YES
L0034895	0	0.17610E-06	464041.1	3775936.4	421.9	3.66	2.33	2.89 YES
L0034896	0	0.17610E-06	464036.3	3775935.1	421.9	3.66	2.33	2.89 YES
L0034897	0	0.17610E-06	464031.4	3775933.9	421.9	3.66	2.33	2.89 YES
L0034898	0	0.17610E-06	464026.6	3775932.7	421.9	3.66	2.33	2.89 YES
L0034899	0	0.17610E-06	464021.7	3775931.5	422.0	3.66	2.33	2.89 YES
L0034900	0	0.17610E-06	464016.9	3775930.2	422.0	3.66	2.33	2.89 YES
L0034901	0	0.17610E-06	464012.0	3775929.0	422.0	3.66	2.33	2.89 YES
L0034902	0	0.17610E-06	464007.2	3775927.8	422.0	3.66	2.33	2.89 YES
L0034903	0	0.17610E-06	464002.3	3775926.6	422.0	3.66	2.33	2.89 YES
L0034904	0	0.17610E-06	463997.5	3775925.3	422.0	3.66	2.33	2.89 YES
L0034905	0	0.17610E-06	463992.6	3775924.1	421.9	3.66	2.33	2.89 YES
L0034906	0	0.17610E-06	463987.8	3775922.9	421.9	3.66	2.33	2.89 YES

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 L0034907         0   0.17610E-06  463982.9 3775921.6   421.9     3.66     2.33
2.89     YES
 L0034908         0   0.17610E-06  463978.1 3775920.4   421.8     3.66     2.33
2.89     YES
 L0034909         0   0.17610E-06  463973.2 3775919.2   421.8     3.66     2.33
2.89     YES
 L0034910         0   0.17610E-06  463968.4 3775918.0   421.8     3.66     2.33
2.89     YES
 L0034911         0   0.17610E-06  463963.6 3775916.7   421.8     3.66     2.33
2.89     YES
 L0034912         0   0.17610E-06  463958.7 3775915.5   421.8     3.66     2.33
2.89     YES
 L0034913         0   0.17610E-06  463953.9 3775914.3   421.9     3.66     2.33
2.89     YES
 L0034914         0   0.17610E-06  463949.0 3775913.1   421.9     3.66     2.33
2.89     YES
 L0034915         0   0.17610E-06  463944.2 3775911.8   421.9     3.66     2.33
2.89     YES
 L0034916         0   0.17610E-06  463939.3 3775910.6   421.9     3.66     2.33
2.89     YES
 L0034917         0   0.17610E-06  463934.5 3775909.4   421.9     3.66     2.33
2.89     YES
 L0034918         0   0.17610E-06  463929.6 3775908.2   421.9     3.66     2.33
2.89     YES
 L0034919         0   0.17610E-06  463924.8 3775906.9   421.9     3.66     2.33
2.89     YES
 L0034920         0   0.17610E-06  463919.9 3775905.7   421.9     3.66     2.33
2.89     YES
 L0034921         0   0.17610E-06  463915.1 3775904.5   421.9     3.66     2.33
2.89     YES
 L0034922         0   0.17610E-06  463910.2 3775903.2   421.9     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034907	0	0.17610E-06	463982.9	3775921.6	421.9	3.66	2.33	2.89	YES	
L0034908	0	0.17610E-06	463978.1	3775920.4	421.8	3.66	2.33	2.89	YES	
L0034909	0	0.17610E-06	463973.2	3775919.2	421.8	3.66	2.33	2.89	YES	
L0034910	0	0.17610E-06	463968.4	3775918.0	421.8	3.66	2.33	2.89	YES	
L0034911	0	0.17610E-06	463963.6	3775916.7	421.8	3.66	2.33	2.89	YES	
L0034912	0	0.17610E-06	463958.7	3775915.5	421.8	3.66	2.33	2.89	YES	
L0034913	0	0.17610E-06	463953.9	3775914.3	421.9	3.66	2.33	2.89	YES	
L0034914	0	0.17610E-06	463949.0	3775913.1	421.9	3.66	2.33	2.89	YES	
L0034915	0	0.17610E-06	463944.2	3775911.8	421.9	3.66	2.33	2.89	YES	
L0034916	0	0.17610E-06	463939.3	3775910.6	421.9	3.66	2.33	2.89	YES	
L0034917	0	0.17610E-06	463934.5	3775909.4	421.9	3.66	2.33	2.89	YES	
L0034918	0	0.17610E-06	463929.6	3775908.2	421.9	3.66	2.33	2.89	YES	
L0034919	0	0.17610E-06	463924.8	3775906.9	421.9	3.66	2.33	2.89	YES	
L0034920	0	0.17610E-06	463919.9	3775905.7	421.9	3.66	2.33	2.89	YES	
L0034921	0	0.17610E-06	463915.1	3775904.5	421.9	3.66	2.33	2.89	YES	
L0034922	0	0.17610E-06	463910.2	3775903.2	421.9	3.66	2.33	2.89	YES	

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L0034923	0	0.17610E-06	463905.4	3775902.0	421.9	3.66	2.33	2.89 YES
L0034924	0	0.17610E-06	463900.5	3775900.8	421.9	3.66	2.33	2.89 YES
L0034925	0	0.17610E-06	463895.7	3775899.6	421.9	3.66	2.33	2.89 YES
L0034926	0	0.17610E-06	463890.8	3775898.3	421.9	3.66	2.33	2.89 YES
L0034927	0	0.17610E-06	463886.0	3775897.1	421.9	3.66	2.33	2.89 YES
L0034928	0	0.17610E-06	463881.2	3775895.9	421.9	3.66	2.33	2.89 YES
L0034929	0	0.17610E-06	463876.3	3775894.7	421.9	3.66	2.33	2.89 YES
L0034930	0	0.17610E-06	463871.5	3775893.4	421.9	3.66	2.33	2.89 YES
L0034931	0	0.17610E-06	463866.6	3775892.2	421.9	3.66	2.33	2.89 YES
L0034932	0	0.17610E-06	463861.8	3775891.0	422.0	3.66	2.33	2.89 YES
L0034933	0	0.17610E-06	463856.9	3775889.8	422.1	3.66	2.33	2.89 YES
L0034934	0	0.17610E-06	463852.1	3775888.5	422.1	3.66	2.33	2.89 YES
L0034935	0	0.17610E-06	463847.2	3775887.3	422.2	3.66	2.33	2.89 YES
L0034936	0	0.17610E-06	463842.4	3775886.1	422.2	3.66	2.33	2.89 YES
L0034937	0	0.17610E-06	463837.5	3775884.8	422.2	3.66	2.33	2.89 YES
L0034938	0	0.17610E-06	463832.7	3775883.6	422.2	3.66	2.33	2.89 YES
L0034939	0	0.17610E-06	463836.5	3775884.2	422.2	3.66	2.33	2.89 YES
L0034940	0	0.17610E-06	463841.4	3775885.1	422.2	3.66	2.33	2.89 YES
L0034941	0	0.17610E-06	463846.3	3775886.0	422.2	3.66	2.33	2.89 YES
L0034942	0	0.17610E-06	463851.2	3775886.8	422.1	3.66	2.33	2.89 YES
L0034943	0	0.17610E-06	463856.2	3775887.7	422.1	3.66	2.33	2.89 YES
L0034944	0	0.17610E-06	463861.1	3775888.6	422.0	3.66	2.33	2.89 YES
L0034945	0	0.17610E-06	463866.0	3775889.4	421.9	3.66	2.33	2.89 YES
L0034946	0	0.17610E-06	463870.9	3775890.3	421.9	3.66	2.33	2.89 YES

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 L0034947         0   0.17610E-06  463875.8 3775891.2   421.8     3.66     2.33
2.89     YES
 L0034948         0   0.17610E-06  463880.8 3775892.0   421.8     3.66     2.33
2.89     YES
 L0034949         0   0.17610E-06  463885.7 3775892.9   421.8     3.66     2.33
2.89     YES
 L0034950         0   0.17610E-06  463890.6 3775893.7   421.8     3.66     2.33
2.89     YES
 L0034951         0   0.17610E-06  463895.5 3775894.6   421.8     3.66     2.33
2.89     YES
 L0034952         0   0.17610E-06  463900.5 3775895.5   421.8     3.66     2.33
2.89     YES
 L0034953         0   0.17610E-06  463905.4 3775896.3   421.8     3.66     2.33
2.89     YES
 L0034954         0   0.17610E-06  463910.3 3775897.2   421.8     3.66     2.33
2.89     YES
 L0034955         0   0.17610E-06  463915.2 3775898.1   421.8     3.66     2.33
2.89     YES
 L0034956         0   0.17610E-06  463920.2 3775898.9   421.8     3.66     2.33
2.89     YES
 L0034957         0   0.17610E-06  463925.1 3775899.8   421.8     3.66     2.33
2.89     YES
 L0034958         0   0.17610E-06  463930.0 3775900.7   421.8     3.66     2.33
2.89     YES
 L0034959         0   0.17610E-06  463934.9 3775901.5   421.8     3.66     2.33
2.89     YES
 L0034960         0   0.17610E-06  463939.9 3775902.4   421.7     3.66     2.33
2.89     YES
 L0034961         0   0.17610E-06  463944.8 3775903.3   421.7     3.66     2.33
2.89     YES
 L0034962         0   0.17610E-06  463949.7 3775904.1   421.7     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0034963	0	0.17610E-06	463954.6	3775905.0	421.7	3.66	2.33	2.89	YES
L0034964	0	0.17610E-06	463959.6	3775905.9	421.7	3.66	2.33	2.89	YES
L0034965	0	0.17610E-06	463964.5	3775906.7	421.6	3.66	2.33	2.89	YES
L0034966	0	0.17610E-06	463969.4	3775907.6	421.6	3.66	2.33	2.89	YES
L0034967	0	0.17610E-06	463974.3	3775908.5	421.6	3.66	2.33	2.89	YES
L0034968	0	0.17610E-06	463979.3	3775909.3	421.6	3.66	2.33	2.89	YES
L0034969	0	0.17610E-06	463984.2	3775910.2	421.7	3.66	2.33	2.89	YES
L0034970	0	0.17610E-06	463989.1	3775911.0	421.7	3.66	2.33	2.89	YES
L0034971	0	0.17610E-06	463994.0	3775911.9	421.7	3.66	2.33	2.89	YES
L0034972	0	0.17610E-06	463999.0	3775912.8	421.7	3.66	2.33	2.89	YES
L0034973	0	0.17610E-06	464003.9	3775913.6	421.7	3.66	2.33	2.89	YES
L0034974	0	0.17610E-06	464008.8	3775914.5	421.7	3.66	2.33	2.89	YES
L0034975	0	0.17610E-06	464013.7	3775915.4	421.7	3.66	2.33	2.89	YES
L0034976	0	0.17610E-06	464018.7	3775916.2	421.7	3.66	2.33	2.89	YES
L0034977	0	0.17610E-06	464023.6	3775917.1	421.6	3.66	2.33	2.89	YES
L0034978	0	0.17610E-06	464028.5	3775918.0	421.6	3.66	2.33	2.89	YES
L0034979	0	0.17610E-06	464033.4	3775918.8	421.5	3.66	2.33	2.89	YES
L0034980	0	0.17610E-06	464038.4	3775919.7	421.5	3.66	2.33	2.89	YES
L0034981	0	0.17610E-06	464043.3	3775920.6	421.4	3.66	2.33	2.89	YES
L0034982	0	0.17610E-06	464048.2	3775921.4	421.4	3.66	2.33	2.89	YES
L0034983	0	0.17610E-06	464053.1	3775922.3	421.4	3.66	2.33	2.89	YES
L0034984	0	0.17610E-06	464058.1	3775923.2	421.3	3.66	2.33	2.89	YES
L0034985	0	0.17610E-06	464063.0	3775924.0	421.3	3.66	2.33	2.89	YES
L0034986	0	0.17610E-06	464067.9	3775924.9	421.3	3.66	2.33	2.89	YES

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 L0034987         0   0.17610E-06  464072.8 3775925.7   421.3     3.66     2.33
2.89     YES
 L0034988         0   0.17610E-06  464077.8 3775926.6   421.4     3.66     2.33
2.89     YES
 L0034989         0   0.17610E-06  464082.7 3775927.5   421.5     3.66     2.33
2.89     YES
 L0034990         0   0.17610E-06  464087.6 3775928.3   421.6     3.66     2.33
2.89     YES
 L0034991         0   0.17610E-06  464092.5 3775929.2   421.7     3.66     2.33
2.89     YES
 L0034992         0   0.17610E-06  464097.5 3775930.1   421.8     3.66     2.33
2.89     YES
 L0034993         0   0.17610E-06  464102.4 3775930.9   421.9     3.66     2.33
2.89     YES
 L0034994         0   0.17610E-06  464107.3 3775931.8   421.9     3.66     2.33
2.89     YES
 L0034995         0   0.17610E-06  464112.2 3775932.7   421.9     3.66     2.33
2.89     YES
 L0034996         0   0.17610E-06  464117.2 3775933.5   421.9     3.66     2.33
2.89     YES
 L0034997         0   0.17610E-06  464122.1 3775934.4   422.0     3.66     2.33
2.89     YES
 L0034998         0   0.17610E-06  464127.0 3775935.3   422.0     3.66     2.33
2.89     YES
 L0034999         0   0.17610E-06  464131.9 3775936.1   421.9     3.66     2.33
2.89     YES
 L0035000         0   0.17610E-06  464136.9 3775937.0   421.8     3.66     2.33
2.89     YES
 L0035001         0   0.17610E-06  464141.8 3775937.9   421.7     3.66     2.33
2.89     YES
 L0035002         0   0.17610E-06  464146.7 3775938.7   421.7     3.66     2.33
2.89     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0034987	0	0.17610E-06	464072.8	3775925.7	421.3	3.66	2.33	2.89	YES	
L0034988	0	0.17610E-06	464077.8	3775926.6	421.4	3.66	2.33	2.89	YES	
L0034989	0	0.17610E-06	464082.7	3775927.5	421.5	3.66	2.33	2.89	YES	
L0034990	0	0.17610E-06	464087.6	3775928.3	421.6	3.66	2.33	2.89	YES	
L0034991	0	0.17610E-06	464092.5	3775929.2	421.7	3.66	2.33	2.89	YES	
L0034992	0	0.17610E-06	464097.5	3775930.1	421.8	3.66	2.33	2.89	YES	
L0034993	0	0.17610E-06	464102.4	3775930.9	421.9	3.66	2.33	2.89	YES	
L0034994	0	0.17610E-06	464107.3	3775931.8	421.9	3.66	2.33	2.89	YES	
L0034995	0	0.17610E-06	464112.2	3775932.7	421.9	3.66	2.33	2.89	YES	
L0034996	0	0.17610E-06	464117.2	3775933.5	421.9	3.66	2.33	2.89	YES	
L0034997	0	0.17610E-06	464122.1	3775934.4	422.0	3.66	2.33	2.89	YES	
L0034998	0	0.17610E-06	464127.0	3775935.3	422.0	3.66	2.33	2.89	YES	
L0034999	0	0.17610E-06	464131.9	3775936.1	421.9	3.66	2.33	2.89	YES	
L0035000	0	0.17610E-06	464136.9	3775937.0	421.8	3.66	2.33	2.89	YES	
L0035001	0	0.17610E-06	464141.8	3775937.9	421.7	3.66	2.33	2.89	YES	
L0035002	0	0.17610E-06	464146.7	3775938.7	421.7	3.66	2.33	2.89	YES	

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L0035003	0	0.17610E-06	464151.6	3775939.6	421.6	3.66	2.33	2.89 YES
L0035004	0	0.17610E-06	464156.6	3775940.5	421.4	3.66	2.33	2.89 YES
L0035005	0	0.17610E-06	464161.5	3775941.3	421.2	3.66	2.33	2.89 YES
L0035006	0	0.17610E-06	464162.8	3775941.4	421.2	3.66	2.33	2.89 YES
L0035007	0	0.17610E-06	464158.0	3775940.1	421.4	3.66	2.33	2.89 YES
L0035008	0	0.17610E-06	464153.1	3775938.8	421.5	3.66	2.33	2.89 YES
L0035009	0	0.17610E-06	464148.3	3775937.5	421.6	3.66	2.33	2.89 YES
L0035010	0	0.17610E-06	464143.5	3775936.3	421.7	3.66	2.33	2.89 YES
L0035011	0	0.17610E-06	464138.6	3775935.0	421.8	3.66	2.33	2.89 YES
L0035012	0	0.17610E-06	464133.8	3775933.7	421.8	3.66	2.33	2.89 YES
L0035013	0	0.17610E-06	464129.0	3775932.4	421.9	3.66	2.33	2.89 YES
L0035014	0	0.17610E-06	464124.1	3775931.1	422.0	3.66	2.33	2.89 YES
L0035015	0	0.17610E-06	464119.3	3775929.9	421.9	3.66	2.33	2.89 YES
L0035016	0	0.17610E-06	464114.5	3775928.6	421.9	3.66	2.33	2.89 YES
L0035017	0	0.17610E-06	464109.6	3775927.3	421.9	3.66	2.33	2.89 YES
L0035018	0	0.17610E-06	464104.8	3775926.0	421.8	3.66	2.33	2.89 YES
L0035019	0	0.17610E-06	464100.0	3775924.7	421.8	3.66	2.33	2.89 YES
L0035020	0	0.17610E-06	464095.1	3775923.4	421.7	3.66	2.33	2.89 YES
L0035021	0	0.17610E-06	464090.3	3775922.2	421.5	3.66	2.33	2.89 YES
L0035022	0	0.17610E-06	464085.5	3775920.9	421.4	3.66	2.33	2.89 YES
L0035023	0	0.17610E-06	464080.6	3775919.6	421.2	3.66	2.33	2.89 YES
L0035024	0	0.17610E-06	464075.8	3775918.3	421.1	3.66	2.33	2.89 YES
L0035025	0	0.17610E-06	464071.0	3775917.0	421.0	3.66	2.33	2.89 YES
L0035026	0	0.17610E-06	464066.1	3775915.8	421.0	3.66	2.33	2.89 YES

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 L0035027         0   0.17610E-06  464061.3 3775914.5   421.0     3.66     2.33
2.89     YES
 L0035028         0   0.17610E-06  464056.5 3775913.2   421.1     3.66     2.33
2.89     YES
 L0035029         0   0.17610E-06  464051.6 3775911.9   421.1     3.66     2.33
2.89     YES
 L0035030         0   0.17610E-06  464046.8 3775910.6   421.1     3.66     2.33
2.89     YES
 L0035031         0   0.17610E-06  464042.0 3775909.3   421.2     3.66     2.33
2.89     YES
 L0035032         0   0.17610E-06  464037.1 3775908.1   421.2     3.66     2.33
2.89     YES
 L0035033         0   0.17610E-06  464032.3 3775906.8   421.3     3.66     2.33
2.89     YES
 L0035034         0   0.17610E-06  464027.5 3775905.5   421.4     3.66     2.33
2.89     YES
 L0035035         0   0.17610E-06  464022.7 3775904.2   421.4     3.66     2.33
2.89     YES
 L0035036         0   0.17610E-06  464017.8 3775902.9   421.4     3.66     2.33
2.89     YES
 L0035037         0   0.17610E-06  464013.0 3775901.7   421.5     3.66     2.33
2.89     YES
 L0035038         0   0.17610E-06  464008.2 3775900.4   421.5     3.66     2.33
2.89     YES
 L0035039         0   0.17610E-06  464003.3 3775899.1   421.5     3.66     2.33
2.89     YES
 L0035040         0   0.17610E-06  463998.5 3775897.8   421.5     3.66     2.33
2.89     YES
 L0035041         0   0.17610E-06  463993.7 3775896.5   421.5     3.66     2.33
2.89     YES
 L0035042         0   0.17610E-06  463988.8 3775895.2   421.4     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0035043	0	0.17610E-06	463984.0	3775894.0	421.4	3.66	2.33	2.89	YES
L0035044	0	0.17610E-06	463979.2	3775892.7	421.4	3.66	2.33	2.89	YES
L0035045	0	0.17610E-06	463974.3	3775891.4	421.3	3.66	2.33	2.89	YES
L0035046	0	0.17610E-06	463969.5	3775890.1	421.3	3.66	2.33	2.89	YES
L0035047	0	0.17610E-06	463964.7	3775888.8	421.3	3.66	2.33	2.89	YES
L0035048	0	0.17610E-06	463959.8	3775887.6	421.3	3.66	2.33	2.89	YES
L0035049	0	0.17610E-06	463955.0	3775886.3	421.3	3.66	2.33	2.89	YES
L0035050	0	0.17610E-06	463950.2	3775885.0	421.3	3.66	2.33	2.89	YES
L0035051	0	0.17610E-06	463945.3	3775883.7	421.3	3.66	2.33	2.89	YES
L0035052	0	0.17610E-06	463940.5	3775882.4	421.3	3.66	2.33	2.89	YES
L0035053	0	0.17610E-06	463935.7	3775881.1	421.3	3.66	2.33	2.89	YES
L0035054	0	0.17610E-06	463930.8	3775879.9	421.3	3.66	2.33	2.89	YES
L0035055	0	0.17610E-06	463926.0	3775878.6	421.3	3.66	2.33	2.89	YES
L0035056	0	0.17610E-06	463921.2	3775877.3	421.4	3.66	2.33	2.89	YES
L0035057	0	0.17610E-06	463916.3	3775876.0	421.4	3.66	2.33	2.89	YES
L0035058	0	0.17610E-06	463911.5	3775874.7	421.4	3.66	2.33	2.89	YES
L0035059	0	0.17610E-06	463906.7	3775873.5	421.4	3.66	2.33	2.89	YES
L0035060	0	0.17610E-06	463901.8	3775872.2	421.4	3.66	2.33	2.89	YES
L0035061	0	0.17610E-06	463897.0	3775870.9	421.4	3.66	2.33	2.89	YES
L0035062	0	0.17610E-06	463892.2	3775869.6	421.4	3.66	2.33	2.89	YES
L0035063	0	0.17610E-06	463887.3	3775868.3	421.4	3.66	2.33	2.89	YES
L0035064	0	0.17610E-06	463882.5	3775867.0	421.4	3.66	2.33	2.89	YES
L0035065	0	0.17610E-06	463877.7	3775865.8	421.4	3.66	2.33	2.89	YES
L0035066	0	0.17610E-06	463872.8	3775864.5	421.4	3.66	2.33	2.89	YES

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 L0035067         0   0.17610E-06  463868.0 3775863.2   421.4     3.66     2.33
2.89     YES
 L0035068         0   0.17610E-06  463863.2 3775861.9   421.4     3.66     2.33
2.89     YES
 L0035069         0   0.17610E-06  463858.3 3775860.6   421.5     3.66     2.33
2.89     YES
 L0035070         0   0.17610E-06  463853.5 3775859.4   421.6     3.66     2.33
2.89     YES
 L0035071         0   0.17610E-06  463848.7 3775858.1   421.7     3.66     2.33
2.89     YES
 L0035072         0   0.17610E-06  463843.8 3775856.8   421.7     3.66     2.33
2.89     YES
 L0035073         0   0.17610E-06  463839.0 3775855.5   421.8     3.66     2.33
2.89     YES
 L0035074         0   0.17610E-06  463834.2 3775854.2   421.8     3.66     2.33
2.89     YES
 L0035075         0   0.17610E-06  463834.9 3775854.2   421.8     3.66     2.33
2.89     YES
 L0035076         0   0.17610E-06  463839.8 3775855.1   421.7     3.66     2.33
2.89     YES
 L0035077         0   0.17610E-06  463844.8 3775856.0   421.7     3.66     2.33
2.89     YES
 L0035078         0   0.17610E-06  463849.7 3775857.0   421.6     3.66     2.33
2.89     YES
 L0035079         0   0.17610E-06  463854.6 3775857.9   421.5     3.66     2.33
2.89     YES
 L0035080         0   0.17610E-06  463859.5 3775858.8   421.5     3.66     2.33
2.89     YES
 L0035081         0   0.17610E-06  463864.4 3775859.7   421.4     3.66     2.33
2.89     YES
 L0035082         0   0.17610E-06  463869.3 3775860.6   421.3     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035067	0	0.17610E-06	463868.0	3775863.2	421.4	3.66	2.33	2.89	YES	
L0035068	0	0.17610E-06	463863.2	3775861.9	421.4	3.66	2.33	2.89	YES	
L0035069	0	0.17610E-06	463858.3	3775860.6	421.5	3.66	2.33	2.89	YES	
L0035070	0	0.17610E-06	463853.5	3775859.4	421.6	3.66	2.33	2.89	YES	
L0035071	0	0.17610E-06	463848.7	3775858.1	421.7	3.66	2.33	2.89	YES	
L0035072	0	0.17610E-06	463843.8	3775856.8	421.7	3.66	2.33	2.89	YES	
L0035073	0	0.17610E-06	463839.0	3775855.5	421.8	3.66	2.33	2.89	YES	
L0035074	0	0.17610E-06	463834.2	3775854.2	421.8	3.66	2.33	2.89	YES	
L0035075	0	0.17610E-06	463834.9	3775854.2	421.8	3.66	2.33	2.89	YES	
L0035076	0	0.17610E-06	463839.8	3775855.1	421.7	3.66	2.33	2.89	YES	
L0035077	0	0.17610E-06	463844.8	3775856.0	421.7	3.66	2.33	2.89	YES	
L0035078	0	0.17610E-06	463849.7	3775857.0	421.6	3.66	2.33	2.89	YES	
L0035079	0	0.17610E-06	463854.6	3775857.9	421.5	3.66	2.33	2.89	YES	
L0035080	0	0.17610E-06	463859.5	3775858.8	421.5	3.66	2.33	2.89	YES	
L0035081	0	0.17610E-06	463864.4	3775859.7	421.4	3.66	2.33	2.89	YES	
L0035082	0	0.17610E-06	463869.3	3775860.6	421.3	3.66	2.33	2.89	YES	

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L0035083	0	0.17610E-06	463874.2	3775861.6	421.3	3.66	2.33	2.89 YES
L0035084	0	0.17610E-06	463879.2	3775862.5	421.3	3.66	2.33	2.89 YES
L0035085	0	0.17610E-06	463884.1	3775863.4	421.3	3.66	2.33	2.89 YES
L0035086	0	0.17610E-06	463889.0	3775864.3	421.3	3.66	2.33	2.89 YES
L0035087	0	0.17610E-06	463893.9	3775865.2	421.3	3.66	2.33	2.89 YES
L0035088	0	0.17610E-06	463898.8	3775866.2	421.3	3.66	2.33	2.89 YES
L0035089	0	0.17610E-06	463903.7	3775867.1	421.3	3.66	2.33	2.89 YES
L0035090	0	0.17610E-06	463908.6	3775868.0	421.2	3.66	2.33	2.89 YES
L0035091	0	0.17610E-06	463913.6	3775868.9	421.2	3.66	2.33	2.89 YES
L0035092	0	0.17610E-06	463918.5	3775869.8	421.2	3.66	2.33	2.89 YES
L0035093	0	0.17610E-06	463923.4	3775870.8	421.2	3.66	2.33	2.89 YES
L0035094	0	0.17610E-06	463928.3	3775871.7	421.2	3.66	2.33	2.89 YES
L0035095	0	0.17610E-06	463933.2	3775872.6	421.2	3.66	2.33	2.89 YES
L0035096	0	0.17610E-06	463938.1	3775873.5	421.2	3.66	2.33	2.89 YES
L0035097	0	0.17610E-06	463943.1	3775874.4	421.2	3.66	2.33	2.89 YES
L0035098	0	0.17610E-06	463948.0	3775875.4	421.2	3.66	2.33	2.89 YES
L0035099	0	0.17610E-06	463952.9	3775876.3	421.2	3.66	2.33	2.89 YES
L0035100	0	0.17610E-06	463957.8	3775877.2	421.2	3.66	2.33	2.89 YES
L0035101	0	0.17610E-06	463962.7	3775878.1	421.2	3.66	2.33	2.89 YES
L0035102	0	0.17610E-06	463967.6	3775879.0	421.2	3.66	2.33	2.89 YES
L0035103	0	0.17610E-06	463972.5	3775880.0	421.2	3.66	2.33	2.89 YES
L0035104	0	0.17610E-06	463977.5	3775880.9	421.2	3.66	2.33	2.89 YES
L0035105	0	0.17610E-06	463982.4	3775881.8	421.2	3.66	2.33	2.89 YES
L0035106	0	0.17610E-06	463987.3	3775882.7	421.2	3.66	2.33	2.89 YES

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 L0035107         0   0.17610E-06  463992.2 3775883.6   421.3     3.66     2.33
2.89     YES
 L0035108         0   0.17610E-06  463997.1 3775884.6   421.3     3.66     2.33
2.89     YES
 L0035109         0   0.17610E-06  464002.0 3775885.5   421.3     3.66     2.33
2.89     YES
 L0035110         0   0.17610E-06  464006.9 3775886.4   421.3     3.66     2.33
2.89     YES
 L0035111         0   0.17610E-06  464011.9 3775887.3   421.3     3.66     2.33
2.89     YES
 L0035112         0   0.17610E-06  464016.8 3775888.2   421.2     3.66     2.33
2.89     YES
 L0035113         0   0.17610E-06  464021.7 3775889.1   421.2     3.66     2.33
2.89     YES
 L0035114         0   0.17610E-06  464026.6 3775890.1   421.1     3.66     2.33
2.89     YES
 L0035115         0   0.17610E-06  464031.5 3775891.0   421.0     3.66     2.33
2.89     YES
 L0035116         0   0.17610E-06  464036.4 3775891.9   420.9     3.66     2.33
2.89     YES
 L0035117         0   0.17610E-06  464041.3 3775892.8   420.8     3.66     2.33
2.89     YES
 L0035118         0   0.17610E-06  464046.3 3775893.7   420.7     3.66     2.33
2.89     YES
 L0035119         0   0.17610E-06  464051.2 3775894.7   420.6     3.66     2.33
2.89     YES
 L0035120         0   0.17610E-06  464056.1 3775895.6   420.6     3.66     2.33
2.89     YES
 L0035121         0   0.17610E-06  464061.0 3775896.5   420.6     3.66     2.33
2.89     YES
 L0035122         0   0.17610E-06  464065.9 3775897.4   420.5     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035123	0	0.17610E-06	464070.8	3775898.3	420.5	3.66	2.33	2.89 YES
L0035124	0	0.17610E-06	464075.8	3775899.3	420.5	3.66	2.33	2.89 YES
L0035125	0	0.17610E-06	464080.7	3775900.2	420.7	3.66	2.33	2.89 YES
L0035126	0	0.17610E-06	464085.6	3775901.1	420.9	3.66	2.33	2.89 YES
L0035127	0	0.17610E-06	464090.5	3775902.0	421.1	3.66	2.33	2.89 YES
L0035128	0	0.17610E-06	464095.4	3775902.9	421.2	3.66	2.33	2.89 YES
L0035129	0	0.17610E-06	464100.3	3775903.9	421.4	3.66	2.33	2.89 YES
L0035130	0	0.17610E-06	464105.2	3775904.8	421.5	3.66	2.33	2.89 YES
L0035131	0	0.17610E-06	464110.2	3775905.7	421.6	3.66	2.33	2.89 YES
L0035132	0	0.17610E-06	464115.1	3775906.6	421.7	3.66	2.33	2.89 YES
L0035133	0	0.17610E-06	464120.0	3775907.5	421.7	3.66	2.33	2.89 YES
L0035134	0	0.17610E-06	464124.9	3775908.5	421.8	3.66	2.33	2.89 YES
L0035135	0	0.17610E-06	464129.8	3775909.4	421.8	3.66	2.33	2.89 YES
L0035136	0	0.17610E-06	464134.7	3775910.3	421.7	3.66	2.33	2.89 YES
L0035137	0	0.17610E-06	464139.6	3775911.2	421.6	3.66	2.33	2.89 YES
L0035138	0	0.17610E-06	464144.6	3775912.1	421.5	3.66	2.33	2.89 YES
L0035139	0	0.17610E-06	464149.5	3775913.1	421.4	3.66	2.33	2.89 YES
L0035140	0	0.17610E-06	464154.4	3775914.0	421.2	3.66	2.33	2.89 YES
L0035141	0	0.17610E-06	464159.3	3775914.9	420.9	3.66	2.33	2.89 YES
L0035142	0	0.17610E-06	464164.2	3775915.8	420.7	3.66	2.33	2.89 YES
L0035143	0	0.17610E-06	464169.1	3775916.7	420.4	3.66	2.33	2.89 YES
L0035144	0	0.17610E-06	464174.0	3775917.7	420.2	3.66	2.33	2.89 YES
L0035145	0	0.17610E-06	464179.0	3775918.6	420.0	3.66	2.33	2.89 YES
L0035146	0	0.17610E-06	464183.9	3775919.5	419.8	3.66	2.33	2.89 YES

```
 L0035147         0   0.17610E-06  464188.8 3775920.4   419.6     3.66     2.33
2.89     YES
 L0035148         0   0.17610E-06  464193.7 3775921.3   419.4     3.66     2.33
2.89     YES
 L0035149         0   0.17610E-06  464198.6 3775922.3   419.2     3.66     2.33
2.89     YES
 L0035150         0   0.17610E-06  464199.6 3775922.2   419.2     3.66     2.33
2.89     YES
 L0035151         0   0.17610E-06  464194.8 3775920.9   419.4     3.66     2.33
2.89     YES
 L0035152         0   0.17610E-06  464190.0 3775919.5   419.6     3.66     2.33
2.89     YES
 L0035153         0   0.17610E-06  464185.2 3775918.1   419.7     3.66     2.33
2.89     YES
 L0035154         0   0.17610E-06  464180.3 3775916.7   419.9     3.66     2.33
2.89     YES
 L0035155         0   0.17610E-06  464175.5 3775915.3   420.0     3.66     2.33
2.89     YES
 L0035156         0   0.17610E-06  464170.7 3775914.0   420.3     3.66     2.33
2.89     YES
 L0035157         0   0.17610E-06  464165.9 3775912.6   420.5     3.66     2.33
2.89     YES
 L0035158         0   0.17610E-06  464161.1 3775911.2   420.8     3.66     2.33
2.89     YES
 L0035159         0   0.17610E-06  464156.3 3775909.8   421.1     3.66     2.33
2.89     YES
 L0035160         0   0.17610E-06  464151.5 3775908.4   421.3     3.66     2.33
2.89     YES
 L0035161         0   0.17610E-06  464146.7 3775907.1   421.4     3.66     2.33
2.89     YES
 L0035162         0   0.17610E-06  464141.9 3775905.7   421.5     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035147	0	0.17610E-06	464188.8	3775920.4	419.6	3.66	2.33	2.89	YES	
L0035148	0	0.17610E-06	464193.7	3775921.3	419.4	3.66	2.33	2.89	YES	
L0035149	0	0.17610E-06	464198.6	3775922.3	419.2	3.66	2.33	2.89	YES	
L0035150	0	0.17610E-06	464199.6	3775922.2	419.2	3.66	2.33	2.89	YES	
L0035151	0	0.17610E-06	464194.8	3775920.9	419.4	3.66	2.33	2.89	YES	
L0035152	0	0.17610E-06	464190.0	3775919.5	419.6	3.66	2.33	2.89	YES	
L0035153	0	0.17610E-06	464185.2	3775918.1	419.7	3.66	2.33	2.89	YES	
L0035154	0	0.17610E-06	464180.3	3775916.7	419.9	3.66	2.33	2.89	YES	
L0035155	0	0.17610E-06	464175.5	3775915.3	420.0	3.66	2.33	2.89	YES	
L0035156	0	0.17610E-06	464170.7	3775914.0	420.3	3.66	2.33	2.89	YES	
L0035157	0	0.17610E-06	464165.9	3775912.6	420.5	3.66	2.33	2.89	YES	
L0035158	0	0.17610E-06	464161.1	3775911.2	420.8	3.66	2.33	2.89	YES	
L0035159	0	0.17610E-06	464156.3	3775909.8	421.1	3.66	2.33	2.89	YES	
L0035160	0	0.17610E-06	464151.5	3775908.4	421.3	3.66	2.33	2.89	YES	
L0035161	0	0.17610E-06	464146.7	3775907.1	421.4	3.66	2.33	2.89	YES	
L0035162	0	0.17610E-06	464141.9	3775905.7	421.5	3.66	2.33	2.89	YES	

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L0035163	0	0.17610E-06	464137.1	3775904.3	421.5	3.66	2.33	2.89 YES
L0035164	0	0.17610E-06	464132.3	3775902.9	421.6	3.66	2.33	2.89 YES
L0035165	0	0.17610E-06	464127.5	3775901.5	421.7	3.66	2.33	2.89 YES
L0035166	0	0.17610E-06	464122.7	3775900.2	421.6	3.66	2.33	2.89 YES
L0035167	0	0.17610E-06	464117.9	3775898.8	421.6	3.66	2.33	2.89 YES
L0035168	0	0.17610E-06	464113.1	3775897.4	421.4	3.66	2.33	2.89 YES
L0035169	0	0.17610E-06	464108.3	3775896.0	421.4	3.66	2.33	2.89 YES
L0035170	0	0.17610E-06	464103.5	3775894.6	421.2	3.66	2.33	2.89 YES
L0035171	0	0.17610E-06	464098.6	3775893.3	421.1	3.66	2.33	2.89 YES
L0035172	0	0.17610E-06	464093.8	3775891.9	420.9	3.66	2.33	2.89 YES
L0035173	0	0.17610E-06	464089.0	3775890.5	420.7	3.66	2.33	2.89 YES
L0035174	0	0.17610E-06	464084.2	3775889.1	420.5	3.66	2.33	2.89 YES
L0035175	0	0.17610E-06	464079.4	3775887.7	420.3	3.66	2.33	2.89 YES
L0035176	0	0.17610E-06	464074.6	3775886.4	420.1	3.66	2.33	2.89 YES
L0035177	0	0.17610E-06	464069.8	3775885.0	420.1	3.66	2.33	2.89 YES
L0035178	0	0.17610E-06	464065.0	3775883.6	420.2	3.66	2.33	2.89 YES
L0035179	0	0.17610E-06	464060.2	3775882.2	420.2	3.66	2.33	2.89 YES
L0035180	0	0.17610E-06	464055.4	3775880.8	420.2	3.66	2.33	2.89 YES
L0035181	0	0.17610E-06	464050.6	3775879.5	420.3	3.66	2.33	2.89 YES
L0035182	0	0.17610E-06	464045.8	3775878.1	420.4	3.66	2.33	2.89 YES
L0035183	0	0.17610E-06	464041.0	3775876.7	420.5	3.66	2.33	2.89 YES
L0035184	0	0.17610E-06	464036.2	3775875.3	420.7	3.66	2.33	2.89 YES
L0035185	0	0.17610E-06	464031.4	3775873.9	420.8	3.66	2.33	2.89 YES
L0035186	0	0.17610E-06	464026.6	3775872.6	420.9	3.66	2.33	2.89 YES

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 L0035187         0   0.17610E-06  464021.8 3775871.2   421.0     3.66     2.33
2.89     YES
 L0035188         0   0.17610E-06  464016.9 3775869.8   421.0     3.66     2.33
2.89     YES
 L0035189         0   0.17610E-06  464012.1 3775868.4   421.0     3.66     2.33
2.89     YES
 L0035190         0   0.17610E-06  464007.3 3775867.0   421.0     3.66     2.33
2.89     YES
 L0035191         0   0.17610E-06  464002.5 3775865.7   421.0     3.66     2.33
2.89     YES
 L0035192         0   0.17610E-06  463997.7 3775864.3   421.0     3.66     2.33
2.89     YES
 L0035193         0   0.17610E-06  463992.9 3775862.9   421.0     3.66     2.33
2.89     YES
 L0035194         0   0.17610E-06  463988.1 3775861.5   420.9     3.66     2.33
2.89     YES
 L0035195         0   0.17610E-06  463983.3 3775860.1   420.9     3.66     2.33
2.89     YES
 L0035196         0   0.17610E-06  463978.5 3775858.8   420.9     3.66     2.33
2.89     YES
 L0035197         0   0.17610E-06  463973.7 3775857.4   420.8     3.66     2.33
2.89     YES
 L0035198         0   0.17610E-06  463968.9 3775856.0   420.8     3.66     2.33
2.89     YES
 L0035199         0   0.17610E-06  463964.1 3775854.6   420.8     3.66     2.33
2.89     YES
 L0035200         0   0.17610E-06  463959.3 3775853.2   420.8     3.66     2.33
2.89     YES
 L0035201         0   0.17610E-06  463954.5 3775851.9   420.7     3.66     2.33
2.89     YES
 L0035202         0   0.17610E-06  463949.7 3775850.5   420.7     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035187	0	0.17610E-06	464021.8	3775871.2	421.0	3.66	2.33	2.89	YES	
L0035188	0	0.17610E-06	464016.9	3775869.8	421.0	3.66	2.33	2.89	YES	
L0035189	0	0.17610E-06	464012.1	3775868.4	421.0	3.66	2.33	2.89	YES	
L0035190	0	0.17610E-06	464007.3	3775867.0	421.0	3.66	2.33	2.89	YES	
L0035191	0	0.17610E-06	464002.5	3775865.7	421.0	3.66	2.33	2.89	YES	
L0035192	0	0.17610E-06	463997.7	3775864.3	421.0	3.66	2.33	2.89	YES	
L0035193	0	0.17610E-06	463992.9	3775862.9	421.0	3.66	2.33	2.89	YES	
L0035194	0	0.17610E-06	463988.1	3775861.5	420.9	3.66	2.33	2.89	YES	
L0035195	0	0.17610E-06	463983.3	3775860.1	420.9	3.66	2.33	2.89	YES	
L0035196	0	0.17610E-06	463978.5	3775858.8	420.9	3.66	2.33	2.89	YES	
L0035197	0	0.17610E-06	463973.7	3775857.4	420.8	3.66	2.33	2.89	YES	
L0035198	0	0.17610E-06	463968.9	3775856.0	420.8	3.66	2.33	2.89	YES	
L0035199	0	0.17610E-06	463964.1	3775854.6	420.8	3.66	2.33	2.89	YES	
L0035200	0	0.17610E-06	463959.3	3775853.2	420.8	3.66	2.33	2.89	YES	
L0035201	0	0.17610E-06	463954.5	3775851.9	420.7	3.66	2.33	2.89	YES	
L0035202	0	0.17610E-06	463949.7	3775850.5	420.7	3.66	2.33	2.89	YES	

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L0035203	0	0.17610E-06	463944.9	3775849.1	420.7	3.66	2.33	2.89 YES
L0035204	0	0.17610E-06	463940.1	3775847.7	420.7	3.66	2.33	2.89 YES
L0035205	0	0.17610E-06	463935.2	3775846.3	420.7	3.66	2.33	2.89 YES
L0035206	0	0.17610E-06	463930.4	3775845.0	420.7	3.66	2.33	2.89 YES
L0035207	0	0.17610E-06	463925.6	3775843.6	420.7	3.66	2.33	2.89 YES
L0035208	0	0.17610E-06	463920.8	3775842.2	420.7	3.66	2.33	2.89 YES
L0035209	0	0.17610E-06	463916.0	3775840.8	420.7	3.66	2.33	2.89 YES
L0035210	0	0.17610E-06	463911.2	3775839.4	420.7	3.66	2.33	2.89 YES
L0035211	0	0.17610E-06	463906.4	3775838.1	420.7	3.66	2.33	2.89 YES
L0035212	0	0.17610E-06	463901.6	3775836.7	420.7	3.66	2.33	2.89 YES
L0035213	0	0.17610E-06	463896.8	3775835.3	420.7	3.66	2.33	2.89 YES
L0035214	0	0.17610E-06	463892.0	3775833.9	420.7	3.66	2.33	2.89 YES
L0035215	0	0.17610E-06	463887.2	3775832.6	420.7	3.66	2.33	2.89 YES
L0035216	0	0.17610E-06	463882.4	3775831.2	420.7	3.66	2.33	2.89 YES
L0035217	0	0.17610E-06	463877.6	3775829.8	420.7	3.66	2.33	2.89 YES
L0035218	0	0.17610E-06	463872.8	3775828.4	420.7	3.66	2.33	2.89 YES
L0035219	0	0.17610E-06	463868.0	3775827.0	420.7	3.66	2.33	2.89 YES
L0035220	0	0.17610E-06	463863.2	3775825.7	420.8	3.66	2.33	2.89 YES
L0035221	0	0.17610E-06	463858.4	3775824.3	420.9	3.66	2.33	2.89 YES
L0035222	0	0.17610E-06	463853.5	3775822.9	420.9	3.66	2.33	2.89 YES
L0035223	0	0.17610E-06	463848.7	3775821.5	421.0	3.66	2.33	2.89 YES
L0035224	0	0.17610E-06	463843.9	3775820.1	421.1	3.66	2.33	2.89 YES
L0035225	0	0.17610E-06	463839.1	3775818.8	421.1	3.66	2.33	2.89 YES
L0035226	0	0.17610E-06	463834.3	3775817.4	421.2	3.66	2.33	2.89 YES

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 L0035227         0   0.17610E-06  463834.7 3775817.3   421.2     3.66     2.33
2.89     YES
 L0035228         0   0.17610E-06  463839.6 3775818.3   421.1     3.66     2.33
2.89     YES
 L0035229         0   0.17610E-06  463844.5 3775819.3   421.1     3.66     2.33
2.89     YES
 L0035230         0   0.17610E-06  463849.4 3775820.4   421.0     3.66     2.33
2.89     YES
 L0035231         0   0.17610E-06  463854.3 3775821.4   420.9     3.66     2.33
2.89     YES
 L0035232         0   0.17610E-06  463859.2 3775822.4   420.8     3.66     2.33
2.89     YES
 L0035233         0   0.17610E-06  463864.1 3775823.5   420.7     3.66     2.33
2.89     YES
 L0035234         0   0.17610E-06  463869.0 3775824.5   420.6     3.66     2.33
2.89     YES
 L0035235         0   0.17610E-06  463873.9 3775825.5   420.6     3.66     2.33
2.89     YES
 L0035236         0   0.17610E-06  463878.8 3775826.5   420.6     3.66     2.33
2.89     YES
 L0035237         0   0.17610E-06  463883.7 3775827.6   420.6     3.66     2.33
2.89     YES
 L0035238         0   0.17610E-06  463888.6 3775828.6   420.6     3.66     2.33
2.89     YES
 L0035239         0   0.17610E-06  463893.5 3775829.6   420.6     3.66     2.33
2.89     YES
 L0035240         0   0.17610E-06  463898.4 3775830.6   420.6     3.66     2.33
2.89     YES
 L0035241         0   0.17610E-06  463903.3 3775831.7   420.6     3.66     2.33
2.89     YES
 L0035242         0   0.17610E-06  463908.1 3775832.7   420.6     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035243	0	0.17610E-06	463913.0	3775833.7	420.6	3.66	2.33	2.89 YES
L0035244	0	0.17610E-06	463917.9	3775834.8	420.6	3.66	2.33	2.89 YES
L0035245	0	0.17610E-06	463922.8	3775835.8	420.6	3.66	2.33	2.89 YES
L0035246	0	0.17610E-06	463927.7	3775836.8	420.6	3.66	2.33	2.89 YES
L0035247	0	0.17610E-06	463932.6	3775837.8	420.6	3.66	2.33	2.89 YES
L0035248	0	0.17610E-06	463937.5	3775838.9	420.6	3.66	2.33	2.89 YES
L0035249	0	0.17610E-06	463942.4	3775839.9	420.6	3.66	2.33	2.89 YES
L0035250	0	0.17610E-06	463947.3	3775840.9	420.6	3.66	2.33	2.89 YES
L0035251	0	0.17610E-06	463952.2	3775841.9	420.6	3.66	2.33	2.89 YES
L0035252	0	0.17610E-06	463957.1	3775843.0	420.6	3.66	2.33	2.89 YES
L0035253	0	0.17610E-06	463962.0	3775844.0	420.6	3.66	2.33	2.89 YES
L0035254	0	0.17610E-06	463966.9	3775845.0	420.6	3.66	2.33	2.89 YES
L0035255	0	0.17610E-06	463971.8	3775846.0	420.6	3.66	2.33	2.89 YES
L0035256	0	0.17610E-06	463976.7	3775847.1	420.6	3.66	2.33	2.89 YES
L0035257	0	0.17610E-06	463981.5	3775848.1	420.7	3.66	2.33	2.89 YES
L0035258	0	0.17610E-06	463986.4	3775849.1	420.7	3.66	2.33	2.89 YES
L0035259	0	0.17610E-06	463991.3	3775850.2	420.8	3.66	2.33	2.89 YES
L0035260	0	0.17610E-06	463996.2	3775851.2	420.8	3.66	2.33	2.89 YES
L0035261	0	0.17610E-06	464001.1	3775852.2	420.8	3.66	2.33	2.89 YES
L0035262	0	0.17610E-06	464006.0	3775853.2	420.8	3.66	2.33	2.89 YES
L0035263	0	0.17610E-06	464010.9	3775854.3	420.8	3.66	2.33	2.89 YES
L0035264	0	0.17610E-06	464015.8	3775855.3	420.8	3.66	2.33	2.89 YES
L0035265	0	0.17610E-06	464020.7	3775856.3	420.8	3.66	2.33	2.89 YES
L0035266	0	0.17610E-06	464025.6	3775857.3	420.8	3.66	2.33	2.89 YES

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 L0035267         0   0.17610E-06  464030.5 3775858.4   420.6     3.66     2.33
2.89     YES
 L0035268         0   0.17610E-06  464035.4 3775859.4   420.5     3.66     2.33
2.89     YES
 L0035269         0   0.17610E-06  464040.3 3775860.4   420.4     3.66     2.33
2.89     YES
 L0035270         0   0.17610E-06  464045.2 3775861.5   420.2     3.66     2.33
2.89     YES
 L0035271         0   0.17610E-06  464050.1 3775862.5   420.1     3.66     2.33
2.89     YES
 L0035272         0   0.17610E-06  464054.9 3775863.5   420.0     3.66     2.33
2.89     YES
 L0035273         0   0.17610E-06  464059.8 3775864.5   420.0     3.66     2.33
2.89     YES
 L0035274         0   0.17610E-06  464064.7 3775865.6   419.9     3.66     2.33
2.89     YES
 L0035275         0   0.17610E-06  464069.6 3775866.6   419.8     3.66     2.33
2.89     YES
 L0035276         0   0.17610E-06  464074.5 3775867.6   419.8     3.66     2.33
2.89     YES
 L0035277         0   0.17610E-06  464079.4 3775868.6   419.9     3.66     2.33
2.89     YES
 L0035278         0   0.17610E-06  464084.3 3775869.7   420.1     3.66     2.33
2.89     YES
 L0035279         0   0.17610E-06  464089.2 3775870.7   420.3     3.66     2.33
2.89     YES
 L0035280         0   0.17610E-06  464094.1 3775871.7   420.5     3.66     2.33
2.89     YES
 L0035281         0   0.17610E-06  464099.0 3775872.7   420.7     3.66     2.33
2.89     YES
 L0035282         0   0.17610E-06  464103.9 3775873.8   420.8     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035283	0	0.17610E-06	464108.8	3775874.8	420.9	3.66	2.33	2.89 YES
L0035284	0	0.17610E-06	464113.7	3775875.8	421.0	3.66	2.33	2.89 YES
L0035285	0	0.17610E-06	464118.6	3775876.9	421.1	3.66	2.33	2.89 YES
L0035286	0	0.17610E-06	464123.5	3775877.9	421.2	3.66	2.33	2.89 YES
L0035287	0	0.17610E-06	464128.3	3775878.9	421.3	3.66	2.33	2.89 YES
L0035288	0	0.17610E-06	464133.2	3775879.9	421.2	3.66	2.33	2.89 YES
L0035289	0	0.17610E-06	464138.1	3775881.0	421.2	3.66	2.33	2.89 YES
L0035290	0	0.17610E-06	464143.0	3775882.0	421.1	3.66	2.33	2.89 YES
L0035291	0	0.17610E-06	464147.9	3775883.0	421.1	3.66	2.33	2.89 YES
L0035292	0	0.17610E-06	464152.8	3775884.0	421.0	3.66	2.33	2.89 YES
L0035293	0	0.17610E-06	464157.7	3775885.1	420.8	3.66	2.33	2.89 YES
L0035294	0	0.17610E-06	464162.6	3775886.1	420.5	3.66	2.33	2.89 YES
L0035295	0	0.17610E-06	464167.5	3775887.1	420.3	3.66	2.33	2.89 YES
L0035296	0	0.17610E-06	464172.4	3775888.2	420.0	3.66	2.33	2.89 YES
L0035297	0	0.17610E-06	464177.3	3775889.2	419.8	3.66	2.33	2.89 YES
L0035298	0	0.17610E-06	464182.2	3775890.2	419.6	3.66	2.33	2.89 YES
L0035299	0	0.17610E-06	464187.1	3775891.2	419.4	3.66	2.33	2.89 YES
L0035300	0	0.17610E-06	464192.0	3775892.3	419.3	3.66	2.33	2.89 YES
L0035301	0	0.17610E-06	464196.9	3775893.3	419.1	3.66	2.33	2.89 YES
L0035302	0	0.17610E-06	464201.8	3775894.3	418.9	3.66	2.33	2.89 YES
L0035303	0	0.17610E-06	464206.6	3775895.3	419.0	3.66	2.33	2.89 YES
L0035304	0	0.17610E-06	464211.5	3775896.4	419.1	3.66	2.33	2.89 YES
L0035305	0	0.17610E-06	464216.4	3775897.4	419.3	3.66	2.33	2.89 YES
L0035306	0	0.17610E-06	464215.2	3775896.9	419.2	3.66	2.33	2.89 YES

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 L0035307         0   0.17610E-06  464210.3 3775895.5   419.1     3.66     2.33
2.89     YES
 L0035308         0   0.17610E-06  464205.5 3775894.2   418.9     3.66     2.33
2.89     YES
 L0035309         0   0.17610E-06  464200.7 3775892.8   418.9     3.66     2.33
2.89     YES
 L0035310         0   0.17610E-06  464195.9 3775891.4   419.1     3.66     2.33
2.89     YES
 L0035311         0   0.17610E-06  464191.1 3775890.1   419.3     3.66     2.33
2.89     YES
 L0035312         0   0.17610E-06  464186.3 3775888.7   419.4     3.66     2.33
2.89     YES
 L0035313         0   0.17610E-06  464181.5 3775887.3   419.6     3.66     2.33
2.89     YES
 L0035314         0   0.17610E-06  464176.7 3775886.0   419.8     3.66     2.33
2.89     YES
 L0035315         0   0.17610E-06  464171.9 3775884.6   420.0     3.66     2.33
2.89     YES
 L0035316         0   0.17610E-06  464167.1 3775883.2   420.3     3.66     2.33
2.89     YES
 L0035317         0   0.17610E-06  464162.2 3775881.9   420.5     3.66     2.33
2.89     YES
 L0035318         0   0.17610E-06  464157.4 3775880.5   420.7     3.66     2.33
2.89     YES
 L0035319         0   0.17610E-06  464152.6 3775879.1   420.9     3.66     2.33
2.89     YES
 L0035320         0   0.17610E-06  464147.8 3775877.8   421.0     3.66     2.33
2.89     YES
 L0035321         0   0.17610E-06  464143.0 3775876.4   421.1     3.66     2.33
2.89     YES
 L0035322         0   0.17610E-06  464138.2 3775875.1   421.1     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035323	0	0.17610E-06	464133.4	3775873.7	421.1	3.66	2.33	2.89 YES
L0035324	0	0.17610E-06	464128.6	3775872.3	421.1	3.66	2.33	2.89 YES
L0035325	0	0.17610E-06	464123.8	3775871.0	421.1	3.66	2.33	2.89 YES
L0035326	0	0.17610E-06	464119.0	3775869.6	421.0	3.66	2.33	2.89 YES
L0035327	0	0.17610E-06	464114.1	3775868.2	420.8	3.66	2.33	2.89 YES
L0035328	0	0.17610E-06	464109.3	3775866.9	420.7	3.66	2.33	2.89 YES
L0035329	0	0.17610E-06	464104.5	3775865.5	420.6	3.66	2.33	2.89 YES
L0035330	0	0.17610E-06	464099.7	3775864.1	420.5	3.66	2.33	2.89 YES
L0035331	0	0.17610E-06	464094.9	3775862.8	420.3	3.66	2.33	2.89 YES
L0035332	0	0.17610E-06	464090.1	3775861.4	420.1	3.66	2.33	2.89 YES
L0035333	0	0.17610E-06	464085.3	3775860.0	420.0	3.66	2.33	2.89 YES
L0035334	0	0.17610E-06	464080.5	3775858.7	419.8	3.66	2.33	2.89 YES
L0035335	0	0.17610E-06	464075.7	3775857.3	419.6	3.66	2.33	2.89 YES
L0035336	0	0.17610E-06	464070.9	3775855.9	419.7	3.66	2.33	2.89 YES
L0035337	0	0.17610E-06	464066.0	3775854.6	419.7	3.66	2.33	2.89 YES
L0035338	0	0.17610E-06	464061.2	3775853.2	419.8	3.66	2.33	2.89 YES
L0035339	0	0.17610E-06	464056.4	3775851.8	419.9	3.66	2.33	2.89 YES
L0035340	0	0.17610E-06	464051.6	3775850.5	419.9	3.66	2.33	2.89 YES
L0035341	0	0.17610E-06	464046.8	3775849.1	420.0	3.66	2.33	2.89 YES
L0035342	0	0.17610E-06	464042.0	3775847.7	420.2	3.66	2.33	2.89 YES
L0035343	0	0.17610E-06	464037.2	3775846.4	420.3	3.66	2.33	2.89 YES
L0035344	0	0.17610E-06	464032.4	3775845.0	420.4	3.66	2.33	2.89 YES
L0035345	0	0.17610E-06	464027.6	3775843.6	420.5	3.66	2.33	2.89 YES
L0035346	0	0.17610E-06	464022.8	3775842.3	420.6	3.66	2.33	2.89 YES

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 L0035347         0   0.17610E-06  464018.0 3775840.9   420.6     3.66     2.33
2.89     YES
 L0035348         0   0.17610E-06  464013.1 3775839.5   420.6     3.66     2.33
2.89     YES
 L0035349         0   0.17610E-06  464008.3 3775838.2   420.6     3.66     2.33
2.89     YES
 L0035350         0   0.17610E-06  464003.5 3775836.8   420.6     3.66     2.33
2.89     YES
 L0035351         0   0.17610E-06  463998.7 3775835.4   420.5     3.66     2.33
2.89     YES
 L0035352         0   0.17610E-06  463993.9 3775834.1   420.5     3.66     2.33
2.89     YES
 L0035353         0   0.17610E-06  463989.1 3775832.7   420.4     3.66     2.33
2.89     YES
 L0035354         0   0.17610E-06  463984.3 3775831.3   420.4     3.66     2.33
2.89     YES
 L0035355         0   0.17610E-06  463979.5 3775830.0   420.4     3.66     2.33
2.89     YES
 L0035356         0   0.17610E-06  463974.7 3775828.6   420.3     3.66     2.33
2.89     YES
 L0035357         0   0.17610E-06  463969.9 3775827.2   420.3     3.66     2.33
2.89     YES
 L0035358         0   0.17610E-06  463965.0 3775825.9   420.3     3.66     2.33
2.89     YES
 L0035359         0   0.17610E-06  463960.2 3775824.5   420.2     3.66     2.33
2.89     YES
 L0035360         0   0.17610E-06  463955.4 3775823.2   420.2     3.66     2.33
2.89     YES
 L0035361         0   0.17610E-06  463950.6 3775821.8   420.2     3.66     2.33
2.89     YES
 L0035362         0   0.17610E-06  463945.8 3775820.4   420.2     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035347	0	0.17610E-06	464018.0	3775840.9	420.6	3.66	2.33	2.89	YES	
L0035348	0	0.17610E-06	464013.1	3775839.5	420.6	3.66	2.33	2.89	YES	
L0035349	0	0.17610E-06	464008.3	3775838.2	420.6	3.66	2.33	2.89	YES	
L0035350	0	0.17610E-06	464003.5	3775836.8	420.6	3.66	2.33	2.89	YES	
L0035351	0	0.17610E-06	463998.7	3775835.4	420.5	3.66	2.33	2.89	YES	
L0035352	0	0.17610E-06	463993.9	3775834.1	420.5	3.66	2.33	2.89	YES	
L0035353	0	0.17610E-06	463989.1	3775832.7	420.4	3.66	2.33	2.89	YES	
L0035354	0	0.17610E-06	463984.3	3775831.3	420.4	3.66	2.33	2.89	YES	
L0035355	0	0.17610E-06	463979.5	3775830.0	420.4	3.66	2.33	2.89	YES	
L0035356	0	0.17610E-06	463974.7	3775828.6	420.3	3.66	2.33	2.89	YES	
L0035357	0	0.17610E-06	463969.9	3775827.2	420.3	3.66	2.33	2.89	YES	
L0035358	0	0.17610E-06	463965.0	3775825.9	420.3	3.66	2.33	2.89	YES	
L0035359	0	0.17610E-06	463960.2	3775824.5	420.2	3.66	2.33	2.89	YES	
L0035360	0	0.17610E-06	463955.4	3775823.2	420.2	3.66	2.33	2.89	YES	
L0035361	0	0.17610E-06	463950.6	3775821.8	420.2	3.66	2.33	2.89	YES	
L0035362	0	0.17610E-06	463945.8	3775820.4	420.2	3.66	2.33	2.89	YES	

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L0035363	0	0.17610E-06	463941.0	3775819.1	420.2	3.66	2.33	2.89	YES
L0035364	0	0.17610E-06	463936.2	3775817.7	420.2	3.66	2.33	2.89	YES
L0035365	0	0.17610E-06	463931.4	3775816.3	420.1	3.66	2.33	2.89	YES
L0035366	0	0.17610E-06	463926.6	3775815.0	420.1	3.66	2.33	2.89	YES
L0035367	0	0.17610E-06	463921.8	3775813.6	420.1	3.66	2.33	2.89	YES
L0035368	0	0.17610E-06	463916.9	3775812.2	420.1	3.66	2.33	2.89	YES
L0035369	0	0.17610E-06	463912.1	3775810.9	420.1	3.66	2.33	2.89	YES
L0035370	0	0.17610E-06	463907.3	3775809.5	420.1	3.66	2.33	2.89	YES
L0035371	0	0.17610E-06	463902.5	3775808.1	420.1	3.66	2.33	2.89	YES
L0035372	0	0.17610E-06	463897.7	3775806.8	420.1	3.66	2.33	2.89	YES
L0035373	0	0.17610E-06	463892.9	3775805.4	420.1	3.66	2.33	2.89	YES
L0035374	0	0.17610E-06	463888.1	3775804.0	420.2	3.66	2.33	2.89	YES
L0035375	0	0.17610E-06	463883.3	3775802.7	420.2	3.66	2.33	2.89	YES
L0035376	0	0.17610E-06	463878.5	3775801.3	420.2	3.66	2.33	2.89	YES
L0035377	0	0.17610E-06	463873.7	3775799.9	420.3	3.66	2.33	2.89	YES
L0035378	0	0.17610E-06	463868.8	3775798.6	420.3	3.66	2.33	2.89	YES
L0035379	0	0.17610E-06	463864.0	3775797.2	420.4	3.66	2.33	2.89	YES
L0035380	0	0.17610E-06	463859.2	3775795.8	420.5	3.66	2.33	2.89	YES
L0035381	0	0.17610E-06	463854.4	3775794.5	420.5	3.66	2.33	2.89	YES
L0035382	0	0.17610E-06	463849.6	3775793.1	420.6	3.66	2.33	2.89	YES
L0035383	0	0.17610E-06	463844.8	3775791.7	420.7	3.66	2.33	2.89	YES
L0035384	0	0.17610E-06	463840.0	3775790.4	420.7	3.66	2.33	2.89	YES
L0035385	0	0.17610E-06	463835.2	3775789.0	420.7	3.66	2.33	2.89	YES
L0035386	0	0.17610E-06	463833.9	3775788.5	420.7	3.66	2.33	2.89	YES

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 L0035387         0   0.17610E-06  463838.8 3775789.4   420.7     3.66     2.33
2.89     YES
 L0035388         0   0.17610E-06  463843.7 3775790.3   420.6     3.66     2.33
2.89     YES
 L0035389         0   0.17610E-06  463848.6 3775791.2   420.6     3.66     2.33
2.89     YES
 L0035390         0   0.17610E-06  463853.6 3775792.1   420.5     3.66     2.33
2.89     YES
 L0035391         0   0.17610E-06  463858.5 3775793.0   420.4     3.66     2.33
2.89     YES
 L0035392         0   0.17610E-06  463863.4 3775793.9   420.4     3.66     2.33
2.89     YES
 L0035393         0   0.17610E-06  463868.3 3775794.8   420.3     3.66     2.33
2.89     YES
 L0035394         0   0.17610E-06  463873.2 3775795.7   420.2     3.66     2.33
2.89     YES
 L0035395         0   0.17610E-06  463878.1 3775796.6   420.2     3.66     2.33
2.89     YES
 L0035396         0   0.17610E-06  463883.1 3775797.5   420.1     3.66     2.33
2.89     YES
 L0035397         0   0.17610E-06  463888.0 3775798.4   420.1     3.66     2.33
2.89     YES
 L0035398         0   0.17610E-06  463892.9 3775799.3   420.0     3.66     2.33
2.89     YES
 L0035399         0   0.17610E-06  463897.8 3775800.3   420.0     3.66     2.33
2.89     YES
 L0035400         0   0.17610E-06  463902.7 3775801.2   420.0     3.66     2.33
2.89     YES
 L0035401         0   0.17610E-06  463907.6 3775802.1   419.9     3.66     2.33
2.89     YES
 L0035402         0   0.17610E-06  463912.6 3775803.0   419.9     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035387	0	0.17610E-06	463838.8	3775789.4	420.7	3.66	2.33	2.89	YES	
L0035388	0	0.17610E-06	463843.7	3775790.3	420.6	3.66	2.33	2.89	YES	
L0035389	0	0.17610E-06	463848.6	3775791.2	420.6	3.66	2.33	2.89	YES	
L0035390	0	0.17610E-06	463853.6	3775792.1	420.5	3.66	2.33	2.89	YES	
L0035391	0	0.17610E-06	463858.5	3775793.0	420.4	3.66	2.33	2.89	YES	
L0035392	0	0.17610E-06	463863.4	3775793.9	420.4	3.66	2.33	2.89	YES	
L0035393	0	0.17610E-06	463868.3	3775794.8	420.3	3.66	2.33	2.89	YES	
L0035394	0	0.17610E-06	463873.2	3775795.7	420.2	3.66	2.33	2.89	YES	
L0035395	0	0.17610E-06	463878.1	3775796.6	420.2	3.66	2.33	2.89	YES	
L0035396	0	0.17610E-06	463883.1	3775797.5	420.1	3.66	2.33	2.89	YES	
L0035397	0	0.17610E-06	463888.0	3775798.4	420.1	3.66	2.33	2.89	YES	
L0035398	0	0.17610E-06	463892.9	3775799.3	420.0	3.66	2.33	2.89	YES	
L0035399	0	0.17610E-06	463897.8	3775800.3	420.0	3.66	2.33	2.89	YES	
L0035400	0	0.17610E-06	463902.7	3775801.2	420.0	3.66	2.33	2.89	YES	
L0035401	0	0.17610E-06	463907.6	3775802.1	419.9	3.66	2.33	2.89	YES	
L0035402	0	0.17610E-06	463912.6	3775803.0	419.9	3.66	2.33	2.89	YES	

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L0035403	0	0.17610E-06	463917.5	3775803.9	419.9	3.66	2.33	2.89 YES
L0035404	0	0.17610E-06	463922.4	3775804.8	419.9	3.66	2.33	2.89 YES
L0035405	0	0.17610E-06	463927.3	3775805.7	419.9	3.66	2.33	2.89 YES
L0035406	0	0.17610E-06	463932.2	3775806.6	419.9	3.66	2.33	2.89 YES
L0035407	0	0.17610E-06	463937.1	3775807.5	419.9	3.66	2.33	2.89 YES
L0035408	0	0.17610E-06	463942.1	3775808.4	419.9	3.66	2.33	2.89 YES
L0035409	0	0.17610E-06	463947.0	3775809.3	420.0	3.66	2.33	2.89 YES
L0035410	0	0.17610E-06	463951.9	3775810.2	420.0	3.66	2.33	2.89 YES
L0035411	0	0.17610E-06	463956.8	3775811.1	420.0	3.66	2.33	2.89 YES
L0035412	0	0.17610E-06	463961.7	3775812.0	420.0	3.66	2.33	2.89 YES
L0035413	0	0.17610E-06	463966.7	3775812.9	420.0	3.66	2.33	2.89 YES
L0035414	0	0.17610E-06	463971.6	3775813.8	420.1	3.66	2.33	2.89 YES
L0035415	0	0.17610E-06	463976.5	3775814.8	420.1	3.66	2.33	2.89 YES
L0035416	0	0.17610E-06	463981.4	3775815.7	420.1	3.66	2.33	2.89 YES
L0035417	0	0.17610E-06	463986.3	3775816.6	420.2	3.66	2.33	2.89 YES
L0035418	0	0.17610E-06	463991.2	3775817.5	420.2	3.66	2.33	2.89 YES
L0035419	0	0.17610E-06	463996.2	3775818.4	420.2	3.66	2.33	2.89 YES
L0035420	0	0.17610E-06	464001.1	3775819.3	420.3	3.66	2.33	2.89 YES
L0035421	0	0.17610E-06	464006.0	3775820.2	420.3	3.66	2.33	2.89 YES
L0035422	0	0.17610E-06	464010.9	3775821.1	420.3	3.66	2.33	2.89 YES
L0035423	0	0.17610E-06	464015.8	3775822.0	420.4	3.66	2.33	2.89 YES
L0035424	0	0.17610E-06	464020.7	3775822.9	420.4	3.66	2.33	2.89 YES
L0035425	0	0.17610E-06	464025.7	3775823.8	420.4	3.66	2.33	2.89 YES
L0035426	0	0.17610E-06	464030.6	3775824.7	420.2	3.66	2.33	2.89 YES

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 L0035427         0   0.17610E-06  464035.5 3775825.6   420.1     3.66     2.33
2.89     YES
 L0035428         0   0.17610E-06  464040.4 3775826.5   420.0     3.66     2.33
2.89     YES
 L0035429         0   0.17610E-06  464045.3 3775827.4   419.9     3.66     2.33
2.89     YES
 L0035430         0   0.17610E-06  464050.2 3775828.4   419.7     3.66     2.33
2.89     YES
 L0035431         0   0.17610E-06  464055.2 3775829.3   419.6     3.66     2.33
2.89     YES
 L0035432         0   0.17610E-06  464060.1 3775830.2   419.5     3.66     2.33
2.89     YES
 L0035433         0   0.17610E-06  464065.0 3775831.1   419.4     3.66     2.33
2.89     YES
 L0035434         0   0.17610E-06  464069.9 3775832.0   419.3     3.66     2.33
2.89     YES
 L0035435         0   0.17610E-06  464074.8 3775832.9   419.2     3.66     2.33
2.89     YES
 L0035436         0   0.17610E-06  464079.7 3775833.8   419.3     3.66     2.33
2.89     YES
 L0035437         0   0.17610E-06  464084.7 3775834.7   419.4     3.66     2.33
2.89     YES
 L0035438         0   0.17610E-06  464089.6 3775835.6   419.5     3.66     2.33
2.89     YES
 L0035439         0   0.17610E-06  464094.5 3775836.5   419.6     3.66     2.33
2.89     YES
 L0035440         0   0.17610E-06  464099.4 3775837.4   419.8     3.66     2.33
2.89     YES
 L0035441         0   0.17610E-06  464104.3 3775838.3   419.9     3.66     2.33
2.89     YES
 L0035442         0   0.17610E-06  464109.2 3775839.2   420.0     3.66     2.33
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035427	0	0.17610E-06	464035.5	3775825.6	420.1	3.66	2.33	2.89	YES	
L0035428	0	0.17610E-06	464040.4	3775826.5	420.0	3.66	2.33	2.89	YES	
L0035429	0	0.17610E-06	464045.3	3775827.4	419.9	3.66	2.33	2.89	YES	
L0035430	0	0.17610E-06	464050.2	3775828.4	419.7	3.66	2.33	2.89	YES	
L0035431	0	0.17610E-06	464055.2	3775829.3	419.6	3.66	2.33	2.89	YES	
L0035432	0	0.17610E-06	464060.1	3775830.2	419.5	3.66	2.33	2.89	YES	
L0035433	0	0.17610E-06	464065.0	3775831.1	419.4	3.66	2.33	2.89	YES	
L0035434	0	0.17610E-06	464069.9	3775832.0	419.3	3.66	2.33	2.89	YES	
L0035435	0	0.17610E-06	464074.8	3775832.9	419.2	3.66	2.33	2.89	YES	
L0035436	0	0.17610E-06	464079.7	3775833.8	419.3	3.66	2.33	2.89	YES	
L0035437	0	0.17610E-06	464084.7	3775834.7	419.4	3.66	2.33	2.89	YES	
L0035438	0	0.17610E-06	464089.6	3775835.6	419.5	3.66	2.33	2.89	YES	
L0035439	0	0.17610E-06	464094.5	3775836.5	419.6	3.66	2.33	2.89	YES	
L0035440	0	0.17610E-06	464099.4	3775837.4	419.8	3.66	2.33	2.89	YES	
L0035441	0	0.17610E-06	464104.3	3775838.3	419.9	3.66	2.33	2.89	YES	
L0035442	0	0.17610E-06	464109.2	3775839.2	420.0	3.66	2.33	2.89	YES	

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L0035443	0	0.17610E-06	464114.2	3775840.1	420.1	3.66	2.33	2.89 YES
L0035444	0	0.17610E-06	464119.1	3775841.0	420.2	3.66	2.33	2.89 YES
L0035445	0	0.17610E-06	464124.0	3775842.0	420.3	3.66	2.33	2.89 YES
L0035446	0	0.17610E-06	464128.9	3775842.9	420.4	3.66	2.33	2.89 YES
L0035447	0	0.17610E-06	464133.8	3775843.8	420.4	3.66	2.33	2.89 YES
L0035448	0	0.17610E-06	464138.8	3775844.7	420.5	3.66	2.33	2.89 YES
L0035449	0	0.17610E-06	464143.7	3775845.6	420.5	3.66	2.33	2.89 YES
L0035450	0	0.17610E-06	464148.6	3775846.5	420.5	3.66	2.33	2.89 YES
L0035451	0	0.17610E-06	464153.5	3775847.4	420.5	3.66	2.33	2.89 YES
L0035452	0	0.17610E-06	464158.4	3775848.3	420.4	3.66	2.33	2.89 YES
L0035453	0	0.17610E-06	464163.3	3775849.2	420.3	3.66	2.33	2.89 YES
L0035454	0	0.17610E-06	464168.3	3775850.1	420.2	3.66	2.33	2.89 YES
L0035455	0	0.17610E-06	464173.2	3775851.0	420.1	3.66	2.33	2.89 YES
L0035456	0	0.17610E-06	464178.1	3775851.9	420.0	3.66	2.33	2.89 YES
L0035457	0	0.17610E-06	464183.0	3775852.8	420.0	3.66	2.33	2.89 YES
L0035458	0	0.17610E-06	464187.9	3775853.7	420.0	3.66	2.33	2.89 YES
L0035459	0	0.17610E-06	464192.8	3775854.6	419.9	3.66	2.33	2.89 YES
L0035460	0	0.17610E-06	464197.8	3775855.6	419.8	3.66	2.33	2.89 YES
L0035461	0	0.17610E-06	464202.7	3775856.5	419.8	3.66	2.33	2.89 YES
L0035462	0	0.17610E-06	464207.6	3775857.4	419.7	3.66	2.33	2.89 YES
L0035463	0	0.17610E-06	464212.5	3775858.3	419.6	3.66	2.33	2.89 YES
L0035464	0	0.17610E-06	464209.6	3775857.3	419.7	3.66	2.33	2.89 YES
L0035465	0	0.17610E-06	464204.8	3775855.9	419.8	3.66	2.33	2.89 YES
L0035466	0	0.17610E-06	464200.0	3775854.4	419.9	3.66	2.33	2.89 YES

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 L0035467         0   0.17610E-06  464195.2 3775853.0   419.9     3.66     2.33
2.89     YES
 L0035468         0   0.17610E-06  464190.4 3775851.6   419.9     3.66     2.33
2.89     YES
 L0035469         0   0.17610E-06  464185.6 3775850.1   420.0     3.66     2.33
2.89     YES
 L0035470         0   0.17610E-06  464180.8 3775848.7   420.0     3.66     2.33
2.89     YES
 L0035471         0   0.17610E-06  464176.0 3775847.3   420.0     3.66     2.33
2.89     YES
 L0035472         0   0.17610E-06  464171.2 3775845.8   420.1     3.66     2.33
2.89     YES
 L0035473         0   0.17610E-06  464166.5 3775844.4   420.2     3.66     2.33
2.89     YES
 L0035474         0   0.17610E-06  464161.7 3775843.0   420.2     3.66     2.33
2.89     YES
 L0035475         0   0.17610E-06  464156.9 3775841.5   420.3     3.66     2.33
2.89     YES
 L0035476         0   0.17610E-06  464152.1 3775840.1   420.4     3.66     2.33
2.89     YES
 L0035477         0   0.17610E-06  464147.3 3775838.7   420.3     3.66     2.33
2.89     YES
 L0035478         0   0.17610E-06  464142.5 3775837.3   420.3     3.66     2.33
2.89     YES
 L0035479         0   0.17610E-06  464137.7 3775835.8   420.2     3.66     2.33
2.89     YES
 L0035480         0   0.17610E-06  464132.9 3775834.4   420.1     3.66     2.33
2.89     YES
 L0035481         0   0.17610E-06  464128.1 3775833.0   420.1     3.66     2.33
2.89     YES
 L0035482         0   0.17610E-06  464123.3 3775831.5   420.0     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035483	0	0.17610E-06	464118.5	3775830.1	419.8	3.66	2.33	2.89 YES
L0035484	0	0.17610E-06	464113.8	3775828.7	419.7	3.66	2.33	2.89 YES
L0035485	0	0.17610E-06	464109.0	3775827.2	419.6	3.66	2.33	2.89 YES
L0035486	0	0.17610E-06	464104.2	3775825.8	419.5	3.66	2.33	2.89 YES
L0035487	0	0.17610E-06	464099.4	3775824.4	419.4	3.66	2.33	2.89 YES
L0035488	0	0.17610E-06	464094.6	3775822.9	419.3	3.66	2.33	2.89 YES
L0035489	0	0.17610E-06	464089.8	3775821.5	419.2	3.66	2.33	2.89 YES
L0035490	0	0.17610E-06	464085.0	3775820.1	419.1	3.66	2.33	2.89 YES
L0035491	0	0.17610E-06	464080.2	3775818.6	419.1	3.66	2.33	2.89 YES
L0035492	0	0.17610E-06	464075.4	3775817.2	419.0	3.66	2.33	2.89 YES
L0035493	0	0.17610E-06	464070.6	3775815.8	419.1	3.66	2.33	2.89 YES
L0035494	0	0.17610E-06	464065.8	3775814.4	419.2	3.66	2.33	2.89 YES
L0035495	0	0.17610E-06	464061.1	3775812.9	419.4	3.66	2.33	2.89 YES
L0035496	0	0.17610E-06	464056.3	3775811.5	419.5	3.66	2.33	2.89 YES
L0035497	0	0.17610E-06	464051.5	3775810.1	419.7	3.66	2.33	2.89 YES
L0035498	0	0.17610E-06	464046.7	3775808.6	419.8	3.66	2.33	2.89 YES
L0035499	0	0.17610E-06	464041.9	3775807.2	419.9	3.66	2.33	2.89 YES
L0035500	0	0.17610E-06	464037.1	3775805.8	419.9	3.66	2.33	2.89 YES
L0035501	0	0.17610E-06	464032.3	3775804.3	420.0	3.66	2.33	2.89 YES
L0035502	0	0.17610E-06	464027.5	3775802.9	420.1	3.66	2.33	2.89 YES
L0035503	0	0.17610E-06	464022.7	3775801.5	420.1	3.66	2.33	2.89 YES
L0035504	0	0.17610E-06	464017.9	3775800.0	420.1	3.66	2.33	2.89 YES
L0035505	0	0.17610E-06	464013.1	3775798.6	420.0	3.66	2.33	2.89 YES
L0035506	0	0.17610E-06	464008.4	3775797.2	420.0	3.66	2.33	2.89 YES

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 L0035507         0   0.17610E-06  464003.6 3775795.7   419.9     3.66     2.33
2.89     YES
 L0035508         0   0.17610E-06  463998.8 3775794.3   419.9     3.66     2.33
2.89     YES
 L0035509         0   0.17610E-06  463994.0 3775792.9   419.9     3.66     2.33
2.89     YES
 L0035510         0   0.17610E-06  463989.2 3775791.5   419.8     3.66     2.33
2.89     YES
 L0035511         0   0.17610E-06  463984.4 3775790.0   419.8     3.66     2.33
2.89     YES
 L0035512         0   0.17610E-06  463979.6 3775788.6   419.7     3.66     2.33
2.89     YES
 L0035513         0   0.17610E-06  463974.8 3775787.2   419.7     3.66     2.33
2.89     YES
 L0035514         0   0.17610E-06  463970.0 3775785.7   419.6     3.66     2.33
2.89     YES
 L0035515         0   0.17610E-06  463965.2 3775784.3   419.6     3.66     2.33
2.89     YES
 L0035516         0   0.17610E-06  463960.4 3775782.9   419.5     3.66     2.33
2.89     YES
 L0035517         0   0.17610E-06  463955.7 3775781.4   419.5     3.66     2.33
2.89     YES
 L0035518         0   0.17610E-06  463950.9 3775780.0   419.4     3.66     2.33
2.89     YES
 L0035519         0   0.17610E-06  463946.1 3775778.6   419.4     3.66     2.33
2.89     YES
 L0035520         0   0.17610E-06  463941.3 3775777.1   419.4     3.66     2.33
2.89     YES
 L0035521         0   0.17610E-06  463936.5 3775775.7   419.3     3.66     2.33
2.89     YES
 L0035522         0   0.17610E-06  463931.7 3775774.3   419.3     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0035523	0	0.17610E-06	463926.9	3775772.8	419.3	3.66	2.33	2.89 YES
L0035524	0	0.17610E-06	463922.1	3775771.4	419.2	3.66	2.33	2.89 YES
L0035525	0	0.17610E-06	463917.3	3775770.0	419.2	3.66	2.33	2.89 YES
L0035526	0	0.17610E-06	463912.5	3775768.6	419.3	3.66	2.33	2.89 YES
L0035527	0	0.17610E-06	463907.8	3775767.1	419.3	3.66	2.33	2.89 YES
L0035528	0	0.17610E-06	463903.0	3775765.7	419.4	3.66	2.33	2.89 YES
L0035529	0	0.17610E-06	463898.2	3775764.3	419.4	3.66	2.33	2.89 YES
L0035530	0	0.17610E-06	463893.4	3775762.8	419.5	3.66	2.33	2.89 YES
L0035531	0	0.17610E-06	463888.6	3775761.4	419.6	3.66	2.33	2.89 YES
L0035532	0	0.17610E-06	463883.8	3775760.0	419.7	3.66	2.33	2.89 YES
L0035533	0	0.17610E-06	463879.0	3775758.5	419.7	3.66	2.33	2.89 YES
L0035534	0	0.17610E-06	463874.2	3775757.1	419.8	3.66	2.33	2.89 YES
L0035535	0	0.17610E-06	463869.4	3775755.7	419.9	3.66	2.33	2.89 YES
L0035536	0	0.17610E-06	463864.6	3775754.2	419.9	3.66	2.33	2.89 YES
L0035537	0	0.17610E-06	463859.8	3775752.8	419.9	3.66	2.33	2.89 YES
L0035538	0	0.17610E-06	463855.1	3775751.4	419.9	3.66	2.33	2.89 YES
L0035539	0	0.17610E-06	463850.3	3775749.9	420.0	3.66	2.33	2.89 YES
L0035540	0	0.17610E-06	463845.5	3775748.5	420.0	3.66	2.33	2.89 YES
L0035541	0	0.17610E-06	463840.7	3775747.1	420.0	3.66	2.33	2.89 YES
L0035542	0	0.17610E-06	463835.9	3775745.7	420.0	3.66	2.33	2.89 YES
L0035543	0	0.17610E-06	463838.0	3775745.9	420.0	3.66	2.33	2.89 YES
L0035544	0	0.17610E-06	463842.9	3775746.9	420.0	3.66	2.33	2.89 YES
L0035545	0	0.17610E-06	463847.8	3775747.9	420.0	3.66	2.33	2.89 YES
L0035546	0	0.17610E-06	463852.7	3775748.9	419.9	3.66	2.33	2.89 YES

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 L0035547         0   0.17610E-06  463857.6 3775749.8   419.9     3.66     2.33
2.89     YES
 L0035548         0   0.17610E-06  463862.5 3775750.8   419.9     3.66     2.33
2.89     YES
 L0035549         0   0.17610E-06  463867.4 3775751.8   419.8     3.66     2.33
2.89     YES
 L0035550         0   0.17610E-06  463872.3 3775752.8   419.8     3.66     2.33
2.89     YES
 L0035551         0   0.17610E-06  463877.2 3775753.8   419.7     3.66     2.33
2.89     YES
 L0035552         0   0.17610E-06  463882.1 3775754.7   419.6     3.66     2.33
2.89     YES
 L0035553         0   0.17610E-06  463887.0 3775755.7   419.6     3.66     2.33
2.89     YES
 L0035554         0   0.17610E-06  463891.9 3775756.7   419.5     3.66     2.33
2.89     YES
 L0035555         0   0.17610E-06  463896.8 3775757.7   419.4     3.66     2.33
2.89     YES
 L0035556         0   0.17610E-06  463901.7 3775758.6   419.3     3.66     2.33
2.89     YES
 L0035557         0   0.17610E-06  463906.6 3775759.6   419.2     3.66     2.33
2.89     YES
 L0035558         0   0.17610E-06  463911.5 3775760.6   419.2     3.66     2.33
2.89     YES
 L0035559         0   0.17610E-06  463916.4 3775761.6   419.1     3.66     2.33
2.89     YES
 L0035560         0   0.17610E-06  463921.3 3775762.5   419.1     3.66     2.33
2.89     YES
 L0035561         0   0.17610E-06  463926.2 3775763.5   419.1     3.66     2.33
2.89     YES
 L0035562         0   0.17610E-06  463931.1 3775764.5   419.1     3.66     2.33
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0035563	0	0.17610E-06	463936.0	3775765.5	419.1	3.66	2.33	2.89	YES
L0035564	0	0.17610E-06	463940.9	3775766.5	419.2	3.66	2.33	2.89	YES
L0035565	0	0.17610E-06	463945.8	3775767.4	419.2	3.66	2.33	2.89	YES
L0035566	0	0.17610E-06	463950.7	3775768.4	419.3	3.66	2.33	2.89	YES
L0035567	0	0.17610E-06	463955.7	3775769.4	419.3	3.66	2.33	2.89	YES
L0035568	0	0.17610E-06	463960.6	3775770.4	419.4	3.66	2.33	2.89	YES
L0035569	0	0.17610E-06	463965.5	3775771.3	419.4	3.66	2.33	2.89	YES
L0035570	0	0.17610E-06	463970.4	3775772.3	419.5	3.66	2.33	2.89	YES
L0035571	0	0.17610E-06	463975.3	3775773.3	419.5	3.66	2.33	2.89	YES
L0035572	0	0.17610E-06	463980.2	3775774.3	419.6	3.66	2.33	2.89	YES
L0035573	0	0.17610E-06	463985.1	3775775.3	419.6	3.66	2.33	2.89	YES
L0035574	0	0.17610E-06	463990.0	3775776.2	419.7	3.66	2.33	2.89	YES
L0035575	0	0.17610E-06	463994.9	3775777.2	419.7	3.66	2.33	2.89	YES
L0035576	0	0.17610E-06	463999.8	3775778.2	419.7	3.66	2.33	2.89	YES
L0035577	0	0.17610E-06	464004.7	3775779.2	419.7	3.66	2.33	2.89	YES
L0035578	0	0.17610E-06	464009.6	3775780.1	419.8	3.66	2.33	2.89	YES
L0035579	0	0.17610E-06	464014.5	3775781.1	419.8	3.66	2.33	2.89	YES
L0035580	0	0.17610E-06	464019.4	3775782.1	419.8	3.66	2.33	2.89	YES
L0035581	0	0.17610E-06	464024.3	3775783.1	419.8	3.66	2.33	2.89	YES
L0035582	0	0.17610E-06	464029.2	3775784.1	419.8	3.66	2.33	2.89	YES
L0035583	0	0.17610E-06	464034.1	3775785.0	419.8	3.66	2.33	2.89	YES
L0035584	0	0.17610E-06	464039.0	3775786.0	419.8	3.66	2.33	2.89	YES
L0035585	0	0.17610E-06	464043.9	3775787.0	419.8	3.66	2.33	2.89	YES
L0035586	0	0.17610E-06	464048.8	3775788.0	419.8	3.66	2.33	2.89	YES

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 L0035587         0   0.17610E-06  464053.7 3775788.9   419.6     3.66     2.33
2.89     YES
 L0035588         0   0.17610E-06  464058.6 3775789.9   419.4     3.66     2.33
2.89     YES
 L0035589         0   0.17610E-06  464063.5 3775790.9   419.2     3.66     2.33
2.89     YES
 L0035590         0   0.17610E-06  464068.4 3775791.9   419.0     3.66     2.33
2.89     YES
 L0035591         0   0.17610E-06  464073.3 3775792.9   418.8     3.66     2.33
2.89     YES
 L0035592         0   0.17610E-06  464078.2 3775793.8   418.7     3.66     2.33
2.89     YES
 L0035593         0   0.17610E-06  464083.1 3775794.8   418.6     3.66     2.33
2.89     YES
 L0035594         0   0.17610E-06  464088.0 3775795.8   418.6     3.66     2.33
2.89     YES
 L0035595         0   0.17610E-06  464092.9 3775796.8   418.5     3.66     2.33
2.89     YES
 L0035596         0   0.17610E-06  464097.9 3775797.7   418.5     3.66     2.33
2.89     YES
 L0035597         0   0.17610E-06  464102.8 3775798.7   418.5     3.66     2.33
2.89     YES
 L0035598         0   0.17610E-06  464107.7 3775799.7   418.6     3.66     2.33
2.89     YES
 L0035599         0   0.17610E-06  464112.6 3775800.7   418.7     3.66     2.33
2.89     YES
 L0035600         0   0.17610E-06  464117.5 3775801.7   418.7     3.66     2.33
2.89     YES
 L0035601         0   0.17610E-06  464122.4 3775802.6   418.8     3.66     2.33
2.89     YES
 L0035602         0   0.17610E-06  464127.3 3775803.6   418.9     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0035587	0	0.17610E-06	464053.7	3775788.9	419.6	3.66	2.33	2.89	YES	
L0035588	0	0.17610E-06	464058.6	3775789.9	419.4	3.66	2.33	2.89	YES	
L0035589	0	0.17610E-06	464063.5	3775790.9	419.2	3.66	2.33	2.89	YES	
L0035590	0	0.17610E-06	464068.4	3775791.9	419.0	3.66	2.33	2.89	YES	
L0035591	0	0.17610E-06	464073.3	3775792.9	418.8	3.66	2.33	2.89	YES	
L0035592	0	0.17610E-06	464078.2	3775793.8	418.7	3.66	2.33	2.89	YES	
L0035593	0	0.17610E-06	464083.1	3775794.8	418.6	3.66	2.33	2.89	YES	
L0035594	0	0.17610E-06	464088.0	3775795.8	418.6	3.66	2.33	2.89	YES	
L0035595	0	0.17610E-06	464092.9	3775796.8	418.5	3.66	2.33	2.89	YES	
L0035596	0	0.17610E-06	464097.9	3775797.7	418.5	3.66	2.33	2.89	YES	
L0035597	0	0.17610E-06	464102.8	3775798.7	418.5	3.66	2.33	2.89	YES	
L0035598	0	0.17610E-06	464107.7	3775799.7	418.6	3.66	2.33	2.89	YES	
L0035599	0	0.17610E-06	464112.6	3775800.7	418.7	3.66	2.33	2.89	YES	
L0035600	0	0.17610E-06	464117.5	3775801.7	418.7	3.66	2.33	2.89	YES	
L0035601	0	0.17610E-06	464122.4	3775802.6	418.8	3.66	2.33	2.89	YES	
L0035602	0	0.17610E-06	464127.3	3775803.6	418.9	3.66	2.33	2.89	YES	

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L0035603	0	0.17610E-06	464132.2	3775804.6	419.0	3.66	2.33	2.89 YES
L0035604	0	0.17610E-06	464137.1	3775805.6	419.2	3.66	2.33	2.89 YES
L0035605	0	0.17610E-06	464142.0	3775806.5	419.3	3.66	2.33	2.89 YES
L0035606	0	0.17610E-06	464146.9	3775807.5	419.4	3.66	2.33	2.89 YES
L0035607	0	0.17610E-06	464151.8	3775808.5	419.5	3.66	2.33	2.89 YES
L0035608	0	0.17610E-06	464156.7	3775809.5	419.5	3.66	2.33	2.89 YES
L0035609	0	0.17610E-06	464161.6	3775810.5	419.5	3.66	2.33	2.89 YES
L0035610	0	0.17610E-06	464166.5	3775811.4	419.6	3.66	2.33	2.89 YES
L0035611	0	0.17610E-06	464171.4	3775812.4	419.6	3.66	2.33	2.89 YES
L0035612	0	0.17610E-06	464176.3	3775813.4	419.6	3.66	2.33	2.89 YES
L0035613	0	0.17610E-06	464181.2	3775814.4	419.6	3.66	2.33	2.89 YES
L0035614	0	0.17610E-06	464186.1	3775815.3	419.6	3.66	2.33	2.89 YES
L0035615	0	0.17610E-06	464191.0	3775816.3	419.6	3.66	2.33	2.89 YES
L0035616	0	0.17610E-06	464195.9	3775817.3	419.6	3.66	2.33	2.89 YES
L0035617	0	0.17610E-06	464200.8	3775818.3	419.6	3.66	2.33	2.89 YES
L0035618	0	0.17610E-06	464205.7	3775819.3	419.6	3.66	2.33	2.89 YES
L0035619	0	0.17610E-06	464210.6	3775820.2	419.6	3.66	2.33	2.89 YES
L0035620	0	0.17610E-06	464215.5	3775821.2	419.6	3.66	2.33	2.89 YES
L0035621	0	0.17610E-06	464213.7	3775820.6	419.6	3.66	2.33	2.89 YES
L0035622	0	0.17610E-06	464208.8	3775819.3	419.6	3.66	2.33	2.89 YES
L0035623	0	0.17610E-06	464204.0	3775818.0	419.6	3.66	2.33	2.89 YES
L0035624	0	0.17610E-06	464199.2	3775816.7	419.6	3.66	2.33	2.89 YES
L0035625	0	0.17610E-06	464194.4	3775815.4	419.6	3.66	2.33	2.89 YES
L0035626	0	0.17610E-06	464189.5	3775814.1	419.6	3.66	2.33	2.89 YES

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 L0035627         0   0.17610E-06  464184.7 3775812.7   419.6     3.66     2.33
2.89     YES
 L0035628         0   0.17610E-06  464179.9 3775811.4   419.5     3.66     2.33
2.89     YES
 L0035629         0   0.17610E-06  464175.0 3775810.1   419.5     3.66     2.33
2.89     YES
 L0035630         0   0.17610E-06  464170.2 3775808.8   419.5     3.66     2.33
2.89     YES
 L0035631         0   0.17610E-06  464165.4 3775807.5   419.4     3.66     2.33
2.89     YES
 L0035632         0   0.17610E-06  464160.6 3775806.2   419.4     3.66     2.33
2.89     YES
 L0035633         0   0.17610E-06  464155.7 3775804.9   419.4     3.66     2.33
2.89     YES
 L0035634         0   0.17610E-06  464150.9 3775803.6   419.3     3.66     2.33
2.89     YES
 L0035635         0   0.17610E-06  464146.1 3775802.3   419.2     3.66     2.33
2.89     YES
 L0035636         0   0.17610E-06  464141.3 3775801.0   419.1     3.66     2.33
2.89     YES
 L0035637         0   0.17610E-06  464136.4 3775799.7   418.9     3.66     2.33
2.89     YES
 L0035638         0   0.17610E-06  464131.6 3775798.4   418.8     3.66     2.33
2.89     YES
 L0035639         0   0.17610E-06  464126.8 3775797.0   418.6     3.66     2.33
2.89     YES
 L0035640         0   0.17610E-06  464122.0 3775795.7   418.5     3.66     2.33
2.89     YES
 L0035641         0   0.17610E-06  464117.1 3775794.4   418.4     3.66     2.33
2.89     YES
 L0035642         0   0.17610E-06  464112.3 3775793.1   418.4     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
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L0035643	0	0.17610E-06	464107.5	3775791.8	418.3	3.66	2.33	2.89 YES
L0035644	0	0.17610E-06	464102.7	3775790.5	418.2	3.66	2.33	2.89 YES
L0035645	0	0.17610E-06	464097.8	3775789.2	418.3	3.66	2.33	2.89 YES
L0035646	0	0.17610E-06	464093.0	3775787.9	418.4	3.66	2.33	2.89 YES
L0035647	0	0.17610E-06	464088.2	3775786.6	418.5	3.66	2.33	2.89 YES
L0035648	0	0.17610E-06	464083.4	3775785.3	418.6	3.66	2.33	2.89 YES
L0035649	0	0.17610E-06	464078.5	3775784.0	418.7	3.66	2.33	2.89 YES
L0035650	0	0.17610E-06	464073.7	3775782.7	418.9	3.66	2.33	2.89 YES
L0035651	0	0.17610E-06	464068.9	3775781.4	419.0	3.66	2.33	2.89 YES
L0035652	0	0.17610E-06	464064.1	3775780.0	419.2	3.66	2.33	2.89 YES
L0035653	0	0.17610E-06	464059.2	3775778.7	419.3	3.66	2.33	2.89 YES
L0035654	0	0.17610E-06	464054.4	3775777.4	419.5	3.66	2.33	2.89 YES
L0035655	0	0.17610E-06	464049.6	3775776.1	419.6	3.66	2.33	2.89 YES
L0035656	0	0.17610E-06	464044.8	3775774.8	419.6	3.66	2.33	2.89 YES
L0035657	0	0.17610E-06	464039.9	3775773.5	419.6	3.66	2.33	2.89 YES
L0035658	0	0.17610E-06	464035.1	3775772.2	419.6	3.66	2.33	2.89 YES
L0035659	0	0.17610E-06	464030.3	3775770.9	419.6	3.66	2.33	2.89 YES
L0035660	0	0.17610E-06	464025.4	3775769.6	419.6	3.66	2.33	2.89 YES
L0035661	0	0.17610E-06	464020.6	3775768.3	419.6	3.66	2.33	2.89 YES
L0035662	0	0.17610E-06	464015.8	3775767.0	419.6	3.66	2.33	2.89 YES
L0035663	0	0.17610E-06	464011.0	3775765.7	419.6	3.66	2.33	2.89 YES
L0035664	0	0.17610E-06	464006.1	3775764.3	419.6	3.66	2.33	2.89 YES
L0035665	0	0.17610E-06	464001.3	3775763.0	419.5	3.66	2.33	2.89 YES
L0035666	0	0.17610E-06	463996.5	3775761.7	419.5	3.66	2.33	2.89 YES

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 L0035667         0   0.17610E-06  463991.7 3775760.4   419.5     3.66     2.33
2.89     YES
 L0035668         0   0.17610E-06  463986.8 3775759.1   419.4     3.66     2.33
2.89     YES
 L0035669         0   0.17610E-06  463982.0 3775757.8   419.4     3.66     2.33
2.89     YES
 L0035670         0   0.17610E-06  463977.2 3775756.5   419.4     3.66     2.33
2.89     YES
 L0035671         0   0.17610E-06  463972.4 3775755.2   419.3     3.66     2.33
2.89     YES
 L0035672         0   0.17610E-06  463967.5 3775753.9   419.2     3.66     2.33
2.89     YES
 L0035673         0   0.17610E-06  463962.7 3775752.6   419.2     3.66     2.33
2.89     YES
 L0035674         0   0.17610E-06  463957.9 3775751.3   419.1     3.66     2.33
2.89     YES
 L0035675         0   0.17610E-06  463953.1 3775750.0   419.0     3.66     2.33
2.89     YES
 L0035676         0   0.17610E-06  463948.2 3775748.7   418.9     3.66     2.33
2.89     YES
 L0035677         0   0.17610E-06  463943.4 3775747.3   418.9     3.66     2.33
2.89     YES
 L0035678         0   0.17610E-06  463938.6 3775746.0   418.8     3.66     2.33
2.89     YES
 L0035679         0   0.17610E-06  463933.8 3775744.7   418.8     3.66     2.33
2.89     YES
 L0035680         0   0.17610E-06  463928.9 3775743.4   418.8     3.66     2.33
2.89     YES
 L0035681         0   0.17610E-06  463924.1 3775742.1   418.8     3.66     2.33
2.89     YES
 L0035682         0   0.17610E-06  463919.3 3775740.8   418.8     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035683	0	0.17610E-06	463914.5	3775739.5	418.8	3.66	2.33	2.89 YES
L0035684	0	0.17610E-06	463909.6	3775738.2	418.9	3.66	2.33	2.89 YES
L0035685	0	0.17610E-06	463904.8	3775736.9	419.0	3.66	2.33	2.89 YES
L0035686	0	0.17610E-06	463900.0	3775735.6	419.1	3.66	2.33	2.89 YES
L0035687	0	0.17610E-06	463895.1	3775734.3	419.2	3.66	2.33	2.89 YES
L0035688	0	0.17610E-06	463890.3	3775733.0	419.3	3.66	2.33	2.89 YES
L0035689	0	0.17610E-06	463885.5	3775731.7	419.3	3.66	2.33	2.89 YES
L0035690	0	0.17610E-06	463880.7	3775730.3	419.4	3.66	2.33	2.89 YES
L0035691	0	0.17610E-06	463875.8	3775729.0	419.4	3.66	2.33	2.89 YES
L0035692	0	0.17610E-06	463871.0	3775727.7	419.5	3.66	2.33	2.89 YES
L0035693	0	0.17610E-06	463866.2	3775726.4	419.5	3.66	2.33	2.89 YES
L0035694	0	0.17610E-06	463861.4	3775725.1	419.5	3.66	2.33	2.89 YES
L0035695	0	0.17610E-06	463856.5	3775723.8	419.5	3.66	2.33	2.89 YES
L0035696	0	0.17610E-06	463851.7	3775722.5	419.5	3.66	2.33	2.89 YES
L0035697	0	0.17610E-06	463846.9	3775721.2	419.5	3.66	2.33	2.89 YES
L0035698	0	0.17610E-06	463842.1	3775719.9	419.5	3.66	2.33	2.89 YES
L0035699	0	0.17610E-06	463837.2	3775718.6	419.5	3.66	2.33	2.89 YES
L0035700	0	0.17610E-06	463836.6	3775718.2	419.5	3.66	2.33	2.89 YES
L0035701	0	0.17610E-06	463841.5	3775719.2	419.5	3.66	2.33	2.89 YES
L0035702	0	0.17610E-06	463846.4	3775720.2	419.5	3.66	2.33	2.89 YES
L0035703	0	0.17610E-06	463851.3	3775721.1	419.5	3.66	2.33	2.89 YES
L0035704	0	0.17610E-06	463856.2	3775722.1	419.5	3.66	2.33	2.89 YES
L0035705	0	0.17610E-06	463861.1	3775723.1	419.5	3.66	2.33	2.89 YES
L0035706	0	0.17610E-06	463866.0	3775724.0	419.5	3.66	2.33	2.89 YES

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 L0035707         0   0.17610E-06  463870.9 3775725.0   419.5     3.66     2.33
2.89     YES
 L0035708         0   0.17610E-06  463875.9 3775726.0   419.4     3.66     2.33
2.89     YES
 L0035709         0   0.17610E-06  463880.8 3775726.9   419.3     3.66     2.33
2.89     YES
 L0035710         0   0.17610E-06  463885.7 3775727.9   419.3     3.66     2.33
2.89     YES
 L0035711         0   0.17610E-06  463890.6 3775728.9   419.2     3.66     2.33
2.89     YES
 L0035712         0   0.17610E-06  463895.5 3775729.8   419.1     3.66     2.33
2.89     YES
 L0035713         0   0.17610E-06  463900.4 3775730.8   419.0     3.66     2.33
2.89     YES
 L0035714         0   0.17610E-06  463905.3 3775731.8   418.9     3.66     2.33
2.89     YES
 L0035715         0   0.17610E-06  463910.2 3775732.7   418.8     3.66     2.33
2.89     YES
 L0035716         0   0.17610E-06  463915.1 3775733.7   418.7     3.66     2.33
2.89     YES
 L0035717         0   0.17610E-06  463920.0 3775734.7   418.7     3.66     2.33
2.89     YES
 L0035718         0   0.17610E-06  463924.9 3775735.6   418.7     3.66     2.33
2.89     YES
 L0035719         0   0.17610E-06  463929.8 3775736.6   418.7     3.66     2.33
2.89     YES
 L0035720         0   0.17610E-06  463934.7 3775737.6   418.7     3.66     2.33
2.89     YES
 L0035721         0   0.17610E-06  463939.6 3775738.5   418.7     3.66     2.33
2.89     YES
 L0035722         0   0.17610E-06  463944.5 3775739.5   418.7     3.66     2.33
2.89     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035723	0	0.17610E-06	463949.4	3775740.5	418.8	3.66	2.33	2.89	YES
L0035724	0	0.17610E-06	463954.3	3775741.4	418.9	3.66	2.33	2.89	YES
L0035725	0	0.17610E-06	463959.3	3775742.4	419.0	3.66	2.33	2.89	YES
L0035726	0	0.17610E-06	463964.2	3775743.4	419.1	3.66	2.33	2.89	YES
L0035727	0	0.17610E-06	463969.1	3775744.3	419.1	3.66	2.33	2.89	YES
L0035728	0	0.17610E-06	463974.0	3775745.3	419.2	3.66	2.33	2.89	YES
L0035729	0	0.17610E-06	463978.9	3775746.3	419.2	3.66	2.33	2.89	YES
L0035730	0	0.17610E-06	463983.8	3775747.2	419.3	3.66	2.33	2.89	YES
L0035731	0	0.17610E-06	463988.7	3775748.2	419.3	3.66	2.33	2.89	YES
L0035732	0	0.17610E-06	463993.6	3775749.2	419.3	3.66	2.33	2.89	YES
L0035733	0	0.17610E-06	463998.5	3775750.1	419.4	3.66	2.33	2.89	YES
L0035734	0	0.17610E-06	464003.4	3775751.1	419.4	3.66	2.33	2.89	YES
L0035735	0	0.17610E-06	464008.3	3775752.0	419.4	3.66	2.33	2.89	YES
L0035736	0	0.17610E-06	464013.2	3775753.0	419.4	3.66	2.33	2.89	YES
L0035737	0	0.17610E-06	464018.1	3775754.0	419.4	3.66	2.33	2.89	YES
L0035738	0	0.17610E-06	464023.0	3775754.9	419.4	3.66	2.33	2.89	YES
L0035739	0	0.17610E-06	464027.9	3775755.9	419.4	3.66	2.33	2.89	YES
L0035740	0	0.17610E-06	464032.8	3775756.9	419.4	3.66	2.33	2.89	YES
L0035741	0	0.17610E-06	464037.7	3775757.8	419.4	3.66	2.33	2.89	YES
L0035742	0	0.17610E-06	464042.7	3775758.8	419.5	3.66	2.33	2.89	YES
L0035743	0	0.17610E-06	464047.6	3775759.8	419.5	3.66	2.33	2.89	YES
L0035744	0	0.17610E-06	464052.5	3775760.7	419.4	3.66	2.33	2.89	YES
L0035745	0	0.17610E-06	464057.4	3775761.7	419.4	3.66	2.33	2.89	YES
L0035746	0	0.17610E-06	464062.3	3775762.7	419.3	3.66	2.33	2.89	YES

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 L0035747         0   0.17610E-06  464067.2 3775763.6   419.2     3.66     2.33
2.89     YES
 L0035748         0   0.17610E-06  464072.1 3775764.6   419.1     3.66     2.33
2.89     YES
 L0035749         0   0.17610E-06  464077.0 3775765.6   419.0     3.66     2.33
2.89     YES
 L0035750         0   0.17610E-06  464081.9 3775766.5   418.8     3.66     2.33
2.89     YES
 L0035751         0   0.17610E-06  464086.8 3775767.5   418.7     3.66     2.33
2.89     YES
 L0035752         0   0.17610E-06  464091.7 3775768.5   418.5     3.66     2.33
2.89     YES
 L0035753         0   0.17610E-06  464096.6 3775769.4   418.4     3.66     2.33
2.89     YES
 L0035754         0   0.17610E-06  464101.5 3775770.4   418.3     3.66     2.33
2.89     YES
 L0035755         0   0.17610E-06  464106.4 3775771.4   418.2     3.66     2.33
2.89     YES
 L0035756         0   0.17610E-06  464111.3 3775772.3   418.1     3.66     2.33
2.89     YES
 L0035757         0   0.17610E-06  464116.2 3775773.3   418.1     3.66     2.33
2.89     YES
 L0035758         0   0.17610E-06  464121.1 3775774.3   418.0     3.66     2.33
2.89     YES
 L0035759         0   0.17610E-06  464126.1 3775775.2   418.0     3.66     2.33
2.89     YES
 L0035760         0   0.17610E-06  464131.0 3775776.2   418.1     3.66     2.33
2.89     YES
 L0035761         0   0.17610E-06  464135.9 3775777.2   418.2     3.66     2.33
2.89     YES
 L0035762         0   0.17610E-06  464140.8 3775778.1   418.2     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0035763	0	0.17610E-06	464145.7	3775779.1	418.4	3.66	2.33	2.89 YES
L0035764	0	0.17610E-06	464150.6	3775780.1	418.4	3.66	2.33	2.89 YES
L0035765	0	0.17610E-06	464155.5	3775781.0	418.6	3.66	2.33	2.89 YES
L0035766	0	0.17610E-06	464160.4	3775782.0	418.7	3.66	2.33	2.89 YES
L0035767	0	0.17610E-06	464165.3	3775783.0	418.8	3.66	2.33	2.89 YES
L0035768	0	0.17610E-06	464170.2	3775783.9	418.9	3.66	2.33	2.89 YES
L0035769	0	0.17610E-06	464175.1	3775784.9	419.0	3.66	2.33	2.89 YES
L0035770	0	0.17610E-06	464180.0	3775785.9	419.0	3.66	2.33	2.89 YES
L0035771	0	0.17610E-06	464184.9	3775786.8	419.1	3.66	2.33	2.89 YES
L0035772	0	0.17610E-06	464189.8	3775787.8	419.1	3.66	2.33	2.89 YES
L0035773	0	0.17610E-06	464194.7	3775788.8	419.1	3.66	2.33	2.89 YES
L0035774	0	0.17610E-06	464199.6	3775789.7	419.1	3.66	2.33	2.89 YES
L0035775	0	0.17610E-06	464204.5	3775790.7	419.1	3.66	2.33	2.89 YES
L0035776	0	0.17610E-06	464209.5	3775791.6	419.0	3.66	2.33	2.89 YES
L0035777	0	0.17610E-06	464214.4	3775792.6	419.0	3.66	2.33	2.89 YES
L0035778	0	0.17610E-06	464212.4	3775792.0	419.0	3.66	2.33	2.89 YES
L0035779	0	0.17610E-06	464207.6	3775790.7	419.0	3.66	2.33	2.89 YES
L0035780	0	0.17610E-06	464202.8	3775789.5	419.1	3.66	2.33	2.89 YES
L0035781	0	0.17610E-06	464197.9	3775788.2	419.1	3.66	2.33	2.89 YES
L0035782	0	0.17610E-06	464193.1	3775786.9	419.1	3.66	2.33	2.89 YES
L0035783	0	0.17610E-06	464188.3	3775785.7	419.0	3.66	2.33	2.89 YES
L0035784	0	0.17610E-06	464183.4	3775784.4	419.0	3.66	2.33	2.89 YES
L0035785	0	0.17610E-06	464178.6	3775783.1	419.0	3.66	2.33	2.89 YES
L0035786	0	0.17610E-06	464173.8	3775781.9	418.9	3.66	2.33	2.89 YES

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 L0035787         0   0.17610E-06  464168.9 3775780.6   418.8     3.66     2.33
2.89     YES
 L0035788         0   0.17610E-06  464164.1 3775779.3   418.7     3.66     2.33
2.89     YES
 L0035789         0   0.17610E-06  464159.2 3775778.1   418.5     3.66     2.33
2.89     YES
 L0035790         0   0.17610E-06  464154.4 3775776.8   418.4     3.66     2.33
2.89     YES
 L0035791         0   0.17610E-06  464149.6 3775775.5   418.3     3.66     2.33
2.89     YES
 L0035792         0   0.17610E-06  464144.7 3775774.2   418.2     3.66     2.33
2.89     YES
 L0035793         0   0.17610E-06  464139.9 3775773.0   418.1     3.66     2.33
2.89     YES
 L0035794         0   0.17610E-06  464135.1 3775771.7   418.0     3.66     2.33
2.89     YES
 L0035795         0   0.17610E-06  464130.2 3775770.4   417.9     3.66     2.33
2.89     YES
 L0035796         0   0.17610E-06  464125.4 3775769.2   417.9     3.66     2.33
2.89     YES
 L0035797         0   0.17610E-06  464120.6 3775767.9   417.9     3.66     2.33
2.89     YES
 L0035798         0   0.17610E-06  464115.7 3775766.6   418.0     3.66     2.33
2.89     YES
 L0035799         0   0.17610E-06  464110.9 3775765.4   418.1     3.66     2.33
2.89     YES
 L0035800         0   0.17610E-06  464106.0 3775764.1   418.2     3.66     2.33
2.89     YES
 L0035801         0   0.17610E-06  464101.2 3775762.8   418.3     3.66     2.33
2.89     YES
 L0035802         0   0.17610E-06  464096.4 3775761.6   418.4     3.66     2.33
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0035803	0	0.17610E-06	464091.5	3775760.3	418.6	3.66	2.33	2.89 YES
L0035804	0	0.17610E-06	464086.7	3775759.0	418.7	3.66	2.33	2.89 YES
L0035805	0	0.17610E-06	464081.9	3775757.7	418.9	3.66	2.33	2.89 YES
L0035806	0	0.17610E-06	464077.0	3775756.5	419.0	3.66	2.33	2.89 YES
L0035807	0	0.17610E-06	464072.2	3775755.2	419.1	3.66	2.33	2.89 YES
L0035808	0	0.17610E-06	464067.4	3775753.9	419.2	3.66	2.33	2.89 YES
L0035809	0	0.17610E-06	464062.5	3775752.7	419.2	3.66	2.33	2.89 YES
L0035810	0	0.17610E-06	464057.7	3775751.4	419.2	3.66	2.33	2.89 YES
L0035811	0	0.17610E-06	464052.9	3775750.1	419.3	3.66	2.33	2.89 YES
L0035812	0	0.17610E-06	464048.0	3775748.9	419.3	3.66	2.33	2.89 YES
L0035813	0	0.17610E-06	464043.2	3775747.6	419.3	3.66	2.33	2.89 YES
L0035814	0	0.17610E-06	464038.3	3775746.3	419.3	3.66	2.33	2.89 YES
L0035815	0	0.17610E-06	464033.5	3775745.1	419.2	3.66	2.33	2.89 YES
L0035816	0	0.17610E-06	464028.7	3775743.8	419.2	3.66	2.33	2.89 YES
L0035817	0	0.17610E-06	464023.8	3775742.5	419.2	3.66	2.33	2.89 YES
L0035818	0	0.17610E-06	464019.0	3775741.2	419.2	3.66	2.33	2.89 YES
L0035819	0	0.17610E-06	464014.2	3775740.0	419.2	3.66	2.33	2.89 YES
L0035820	0	0.17610E-06	464009.3	3775738.7	419.2	3.66	2.33	2.89 YES
L0035821	0	0.17610E-06	464004.5	3775737.4	419.2	3.66	2.33	2.89 YES
L0035822	0	0.17610E-06	463999.7	3775736.2	419.2	3.66	2.33	2.89 YES
L0035823	0	0.17610E-06	463994.8	3775734.9	419.1	3.66	2.33	2.89 YES
L0035824	0	0.17610E-06	463990.0	3775733.6	419.1	3.66	2.33	2.89 YES
L0035825	0	0.17610E-06	463985.1	3775732.4	419.1	3.66	2.33	2.89 YES
L0035826	0	0.17610E-06	463980.3	3775731.1	419.0	3.66	2.33	2.89 YES

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 L0035827         0   0.17610E-06  463975.5 3775729.8   419.0     3.66     2.33
2.89     YES
 L0035828         0   0.17610E-06  463970.6 3775728.5   418.9     3.66     2.33
2.89     YES
 L0035829         0   0.17610E-06  463965.8 3775727.3   418.8     3.66     2.33
2.89     YES
 L0035830         0   0.17610E-06  463961.0 3775726.0   418.7     3.66     2.33
2.89     YES
 L0035831         0   0.17610E-06  463956.1 3775724.7   418.6     3.66     2.33
2.89     YES
 L0035832         0   0.17610E-06  463951.3 3775723.5   418.6     3.66     2.33
2.89     YES
 L0035833         0   0.17610E-06  463946.5 3775722.2   418.5     3.66     2.33
2.89     YES
 L0035834         0   0.17610E-06  463941.6 3775720.9   418.4     3.66     2.33
2.89     YES
 L0035835         0   0.17610E-06  463936.8 3775719.7   418.4     3.66     2.33
2.89     YES
 L0035836         0   0.17610E-06  463931.9 3775718.4   418.4     3.66     2.33
2.89     YES
 L0035837         0   0.17610E-06  463927.1 3775717.1   418.4     3.66     2.33
2.89     YES
 L0035838         0   0.17610E-06  463922.3 3775715.9   418.4     3.66     2.33
2.89     YES
 L0035839         0   0.17610E-06  463917.4 3775714.6   418.5     3.66     2.33
2.89     YES
 L0035840         0   0.17610E-06  463912.6 3775713.3   418.6     3.66     2.33
2.89     YES
 L0035841         0   0.17610E-06  463907.8 3775712.0   418.7     3.66     2.33
2.89     YES
 L0035842         0   0.17610E-06  463902.9 3775710.8   418.8     3.66     2.33
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0035843	0	0.17610E-06	463898.1	3775709.5	418.9	3.66	2.33	2.89	YES
L0035844	0	0.17610E-06	463893.3	3775708.2	418.9	3.66	2.33	2.89	YES
L0035845	0	0.17610E-06	463888.4	3775707.0	419.0	3.66	2.33	2.89	YES
L0035846	0	0.17610E-06	463883.6	3775705.7	419.0	3.66	2.33	2.89	YES
L0035847	0	0.17610E-06	463878.7	3775704.4	419.0	3.66	2.33	2.89	YES
L0035848	0	0.17610E-06	463873.9	3775703.2	419.1	3.66	2.33	2.89	YES
L0035849	0	0.17610E-06	463869.1	3775701.9	419.1	3.66	2.33	2.89	YES
L0035850	0	0.17610E-06	463864.2	3775700.6	419.1	3.66	2.33	2.89	YES
L0035851	0	0.17610E-06	463859.4	3775699.4	419.1	3.66	2.33	2.89	YES
L0035852	0	0.17610E-06	463859.7	3775699.3	419.1	3.66	2.33	2.89	YES
L0035853	0	0.17610E-06	463864.7	3775700.2	419.1	3.66	2.33	2.89	YES
L0035854	0	0.17610E-06	463869.6	3775701.1	419.1	3.66	2.33	2.89	YES
L0035855	0	0.17610E-06	463874.5	3775702.0	419.0	3.66	2.33	2.89	YES
L0035856	0	0.17610E-06	463879.4	3775702.9	419.0	3.66	2.33	2.89	YES
L0035857	0	0.17610E-06	463884.3	3775703.9	419.0	3.66	2.33	2.89	YES
L0035858	0	0.17610E-06	463889.2	3775704.8	418.9	3.66	2.33	2.89	YES
L0035859	0	0.17610E-06	463894.1	3775705.7	418.9	3.66	2.33	2.89	YES
L0035860	0	0.17610E-06	463899.1	3775706.6	418.8	3.66	2.33	2.89	YES
L0035861	0	0.17610E-06	463904.0	3775707.6	418.7	3.66	2.33	2.89	YES
L0035862	0	0.17610E-06	463908.9	3775708.5	418.6	3.66	2.33	2.89	YES
L0035863	0	0.17610E-06	463913.8	3775709.4	418.5	3.66	2.33	2.89	YES
L0035864	0	0.17610E-06	463918.7	3775710.3	418.4	3.66	2.33	2.89	YES
L0035865	0	0.17610E-06	463923.6	3775711.3	418.4	3.66	2.33	2.89	YES
L0035866	0	0.17610E-06	463928.5	3775712.2	418.4	3.66	2.33	2.89	YES

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 L0035867         0   0.17610E-06  463933.5 3775713.1   418.4     3.66     2.33
2.89     YES
 L0035868         0   0.17610E-06  463938.4 3775714.0   418.4     3.66     2.33
2.89     YES
 L0035869         0   0.17610E-06  463943.3 3775715.0   418.4     3.66     2.33
2.89     YES
 L0035870         0   0.17610E-06  463948.2 3775715.9   418.4     3.66     2.33
2.89     YES
 L0035871         0   0.17610E-06  463953.1 3775716.8   418.4     3.66     2.33
2.89     YES
 L0035872         0   0.17610E-06  463958.0 3775717.7   418.5     3.66     2.33
2.89     YES
 L0035873         0   0.17610E-06  463962.9 3775718.7   418.6     3.66     2.33
2.89     YES
 L0035874         0   0.17610E-06  463967.8 3775719.6   418.7     3.66     2.33
2.89     YES
 L0035875         0   0.17610E-06  463972.8 3775720.5   418.7     3.66     2.33
2.89     YES
 L0035876         0   0.17610E-06  463977.7 3775721.4   418.8     3.66     2.33
2.89     YES
 L0035877         0   0.17610E-06  463982.6 3775722.4   418.8     3.66     2.33
2.89     YES
 L0035878         0   0.17610E-06  463987.5 3775723.3   418.9     3.66     2.33
2.89     YES
 L0035879         0   0.17610E-06  463992.4 3775724.2   418.9     3.66     2.33
2.89     YES
 L0035880         0   0.17610E-06  463997.3 3775725.1   418.9     3.66     2.33
2.89     YES
 L0035881         0   0.17610E-06  464002.2 3775726.1   418.9     3.66     2.33
2.89     YES
 L0035882         0   0.17610E-06  464007.2 3775727.0   419.0     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                 PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035883	0	0.17610E-06	464012.1	3775727.9	419.0	3.66	2.33	2.89 YES
L0035884	0	0.17610E-06	464017.0	3775728.8	419.0	3.66	2.33	2.89 YES
L0035885	0	0.17610E-06	464021.9	3775729.8	419.0	3.66	2.33	2.89 YES
L0035886	0	0.17610E-06	464026.8	3775730.7	419.0	3.66	2.33	2.89 YES
L0035887	0	0.17610E-06	464031.7	3775731.6	419.0	3.66	2.33	2.89 YES
L0035888	0	0.17610E-06	464036.6	3775732.5	419.0	3.66	2.33	2.89 YES
L0035889	0	0.17610E-06	464041.6	3775733.5	419.1	3.66	2.33	2.89 YES
L0035890	0	0.17610E-06	464046.5	3775734.4	419.1	3.66	2.33	2.89 YES
L0035891	0	0.17610E-06	464051.4	3775735.3	419.1	3.66	2.33	2.89 YES
L0035892	0	0.17610E-06	464056.3	3775736.2	419.1	3.66	2.33	2.89 YES
L0035893	0	0.17610E-06	464061.2	3775737.2	419.1	3.66	2.33	2.89 YES
L0035894	0	0.17610E-06	464066.1	3775738.1	419.0	3.66	2.33	2.89 YES
L0035895	0	0.17610E-06	464071.0	3775739.0	419.0	3.66	2.33	2.89 YES
L0035896	0	0.17610E-06	464076.0	3775739.9	419.0	3.66	2.33	2.89 YES
L0035897	0	0.17610E-06	464080.9	3775740.8	418.9	3.66	2.33	2.89 YES
L0035898	0	0.17610E-06	464085.8	3775741.8	418.8	3.66	2.33	2.89 YES
L0035899	0	0.17610E-06	464090.7	3775742.7	418.7	3.66	2.33	2.89 YES
L0035900	0	0.17610E-06	464095.6	3775743.6	418.6	3.66	2.33	2.89 YES
L0035901	0	0.17610E-06	464100.5	3775744.5	418.5	3.66	2.33	2.89 YES
L0035902	0	0.17610E-06	464105.4	3775745.5	418.4	3.66	2.33	2.89 YES
L0035903	0	0.17610E-06	464110.3	3775746.4	418.3	3.66	2.33	2.89 YES
L0035904	0	0.17610E-06	464115.3	3775747.3	418.2	3.66	2.33	2.89 YES
L0035905	0	0.17610E-06	464120.2	3775748.2	418.0	3.66	2.33	2.89 YES
L0035906	0	0.17610E-06	464125.1	3775749.2	417.9	3.66	2.33	2.89 YES

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 L0035907         0   0.17610E-06  464130.0 3775750.1   417.8     3.66     2.33
2.89     YES
 L0035908         0   0.17610E-06  464134.9 3775751.0   417.7     3.66     2.33
2.89     YES
 L0035909         0   0.17610E-06  464139.8 3775751.9   417.7     3.66     2.33
2.89     YES
 L0035910         0   0.17610E-06  464144.7 3775752.9   417.6     3.66     2.33
2.89     YES
 L0035911         0   0.17610E-06  464149.7 3775753.8   417.6     3.66     2.33
2.89     YES
 L0035912         0   0.17610E-06  464154.6 3775754.7   417.7     3.66     2.33
2.89     YES
 L0035913         0   0.17610E-06  464159.5 3775755.6   417.8     3.66     2.33
2.89     YES
 L0035914         0   0.17610E-06  464164.4 3775756.6   418.0     3.66     2.33
2.89     YES
 L0035915         0   0.17610E-06  464169.3 3775757.5   418.2     3.66     2.33
2.89     YES
 L0035916         0   0.17610E-06  464174.2 3775758.4   418.3     3.66     2.33
2.89     YES
 L0035917         0   0.17610E-06  464179.1 3775759.3   418.5     3.66     2.33
2.89     YES
 L0035918         0   0.17610E-06  464184.1 3775760.3   418.6     3.66     2.33
2.89     YES
 L0035919         0   0.17610E-06  464189.0 3775761.2   418.6     3.66     2.33
2.89     YES
 L0035920         0   0.17610E-06  464193.9 3775762.1   418.7     3.66     2.33
2.89     YES
 L0035921         0   0.17610E-06  464198.8 3775763.0   418.7     3.66     2.33
2.89     YES
 L0035922         0   0.17610E-06  464203.7 3775764.0   418.7     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0035923	0	0.17610E-06	464208.6	3775764.9	418.5	3.66	2.33	2.89 YES
L0035924	0	0.17610E-06	464213.5	3775765.8	418.3	3.66	2.33	2.89 YES
L0035925	0	0.17610E-06	464218.0	3775766.6	418.2	3.66	2.33	2.89 YES
L0035926	0	0.17610E-06	464213.1	3775765.4	418.3	3.66	2.33	2.89 YES
L0035927	0	0.17610E-06	464208.3	3775764.1	418.5	3.66	2.33	2.89 YES
L0035928	0	0.17610E-06	464203.4	3775762.9	418.7	3.66	2.33	2.89 YES
L0035929	0	0.17610E-06	464198.6	3775761.7	418.7	3.66	2.33	2.89 YES
L0035930	0	0.17610E-06	464193.8	3775760.4	418.6	3.66	2.33	2.89 YES
L0035931	0	0.17610E-06	464188.9	3775759.2	418.6	3.66	2.33	2.89 YES
L0035932	0	0.17610E-06	464184.1	3775757.9	418.5	3.66	2.33	2.89 YES
L0035933	0	0.17610E-06	464179.2	3775756.7	418.4	3.66	2.33	2.89 YES
L0035934	0	0.17610E-06	464174.4	3775755.4	418.2	3.66	2.33	2.89 YES
L0035935	0	0.17610E-06	464169.5	3775754.2	418.1	3.66	2.33	2.89 YES
L0035936	0	0.17610E-06	464164.7	3775753.0	417.9	3.66	2.33	2.89 YES
L0035937	0	0.17610E-06	464159.9	3775751.7	417.8	3.66	2.33	2.89 YES
L0035938	0	0.17610E-06	464155.0	3775750.5	417.6	3.66	2.33	2.89 YES
L0035939	0	0.17610E-06	464150.2	3775749.2	417.5	3.66	2.33	2.89 YES
L0035940	0	0.17610E-06	464145.3	3775748.0	417.6	3.66	2.33	2.89 YES
L0035941	0	0.17610E-06	464140.5	3775746.7	417.7	3.66	2.33	2.89 YES
L0035942	0	0.17610E-06	464135.6	3775745.5	417.8	3.66	2.33	2.89 YES
L0035943	0	0.17610E-06	464130.8	3775744.3	417.9	3.66	2.33	2.89 YES
L0035944	0	0.17610E-06	464126.0	3775743.0	418.0	3.66	2.33	2.89 YES
L0035945	0	0.17610E-06	464121.1	3775741.8	418.1	3.66	2.33	2.89 YES
L0035946	0	0.17610E-06	464116.3	3775740.5	418.2	3.66	2.33	2.89 YES

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 L0035947         0   0.17610E-06  464111.4 3775739.3   418.4     3.66     2.33
2.89     YES
 L0035948         0   0.17610E-06  464106.6 3775738.1   418.5     3.66     2.33
2.89     YES
 L0035949         0   0.17610E-06  464101.7 3775736.8   418.6     3.66     2.33
2.89     YES
 L0035950         0   0.17610E-06  464096.9 3775735.6   418.7     3.66     2.33
2.89     YES
 L0035951         0   0.17610E-06  464092.1 3775734.3   418.8     3.66     2.33
2.89     YES
 L0035952         0   0.17610E-06  464087.2 3775733.1   418.8     3.66     2.33
2.89     YES
 L0035953         0   0.17610E-06  464082.4 3775731.8   418.9     3.66     2.33
2.89     YES
 L0035954         0   0.17610E-06  464077.5 3775730.6   418.9     3.66     2.33
2.89     YES
 L0035955         0   0.17610E-06  464072.7 3775729.4   418.9     3.66     2.33
2.89     YES
 L0035956         0   0.17610E-06  464067.8 3775728.1   418.9     3.66     2.33
2.89     YES
 L0035957         0   0.17610E-06  464063.0 3775726.9   418.9     3.66     2.33
2.89     YES
 L0035958         0   0.17610E-06  464058.2 3775725.6   418.9     3.66     2.33
2.89     YES
 L0035959         0   0.17610E-06  464053.3 3775724.4   418.9     3.66     2.33
2.89     YES
 L0035960         0   0.17610E-06  464048.5 3775723.1   418.9     3.66     2.33
2.89     YES
 L0035961         0   0.17610E-06  464043.6 3775721.9   418.8     3.66     2.33
2.89     YES
 L0035962         0   0.17610E-06  464038.8 3775720.7   418.8     3.66     2.33
2.89     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

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L0035963	0	0.17610E-06	464033.9	3775719.4	418.8	3.66	2.33	2.89 YES
L0035964	0	0.17610E-06	464029.1	3775718.2	418.7	3.66	2.33	2.89 YES
L0035965	0	0.17610E-06	464024.3	3775716.9	418.7	3.66	2.33	2.89 YES
L0035966	0	0.17610E-06	464019.4	3775715.7	418.7	3.66	2.33	2.89 YES
L0035967	0	0.17610E-06	464014.6	3775714.4	418.6	3.66	2.33	2.89 YES
L0035968	0	0.17610E-06	464009.7	3775713.2	418.6	3.66	2.33	2.89 YES
L0035969	0	0.17610E-06	464004.9	3775712.0	418.6	3.66	2.33	2.89 YES
L0035970	0	0.17610E-06	464000.0	3775710.7	418.6	3.66	2.33	2.89 YES
L0035971	0	0.17610E-06	463995.2	3775709.5	418.5	3.66	2.33	2.89 YES
L0035972	0	0.17610E-06	463990.3	3775708.2	418.5	3.66	2.33	2.89 YES
L0035973	0	0.17610E-06	463985.5	3775707.0	418.4	3.66	2.33	2.89 YES
L0035974	0	0.17610E-06	463980.7	3775705.8	418.4	3.66	2.33	2.89 YES
L0035975	0	0.17610E-06	463975.8	3775704.5	418.3	3.66	2.33	2.89 YES
L0035976	0	0.17610E-06	463971.0	3775703.3	418.3	3.66	2.33	2.89 YES
L0035977	0	0.17610E-06	463966.1	3775702.0	418.2	3.66	2.33	2.89 YES
L0035978	0	0.17610E-06	463961.3	3775700.8	418.2	3.66	2.33	2.89 YES
L0035979	0	0.17610E-06	463956.4	3775699.5	418.1	3.66	2.33	2.89 YES
L0035980	0	0.17610E-06	463951.6	3775698.3	418.1	3.66	2.33	2.89 YES
L0035981	0	0.17610E-06	463946.8	3775697.1	418.1	3.66	2.33	2.89 YES
L0035982	0	0.17610E-06	463946.4	3775696.7	418.1	3.66	2.33	2.89 YES
L0035983	0	0.17610E-06	463951.3	3775697.5	418.1	3.66	2.33	2.89 YES
L0035984	0	0.17610E-06	463956.3	3775698.2	418.1	3.66	2.33	2.89 YES
L0035985	0	0.17610E-06	463961.2	3775698.9	418.1	3.66	2.33	2.89 YES
L0035986	0	0.17610E-06	463966.2	3775699.7	418.2	3.66	2.33	2.89 YES

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 L0035987         0   0.17610E-06  463971.1 3775700.4   418.2     3.66     2.33
2.89     YES
 L0035988         0   0.17610E-06  463976.0 3775701.2   418.2     3.66     2.33
2.89     YES
 L0035989         0   0.17610E-06  463981.0 3775701.9   418.3     3.66     2.33
2.89     YES
 L0035990         0   0.17610E-06  463985.9 3775702.7   418.3     3.66     2.33
2.89     YES
 L0035991         0   0.17610E-06  463990.9 3775703.4   418.4     3.66     2.33
2.89     YES
 L0035992         0   0.17610E-06  463995.8 3775704.1   418.4     3.66     2.33
2.89     YES
 L0035993         0   0.17610E-06  464000.8 3775704.9   418.4     3.66     2.33
2.89     YES
 L0035994         0   0.17610E-06  464005.7 3775705.6   418.4     3.66     2.33
2.89     YES
 L0035995         0   0.17610E-06  464010.7 3775706.4   418.4     3.66     2.33
2.89     YES
 L0035996         0   0.17610E-06  464015.6 3775707.1   418.5     3.66     2.33
2.89     YES
 L0035997         0   0.17610E-06  464020.6 3775707.9   418.5     3.66     2.33
2.89     YES
 L0035998         0   0.17610E-06  464025.5 3775708.6   418.5     3.66     2.33
2.89     YES
 L0035999         0   0.17610E-06  464030.4 3775709.3   418.5     3.66     2.33
2.89     YES
 L0036000         0   0.17610E-06  464035.4 3775710.1   418.6     3.66     2.33
2.89     YES
 L0036001         0   0.17610E-06  464040.3 3775710.8   418.6     3.66     2.33
2.89     YES
 L0036002         0   0.17610E-06  464045.3 3775711.6   418.6     3.66     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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L0036003	0	0.17610E-06	464050.2	3775712.3	418.6	3.66	2.33	2.89 YES
L0036004	0	0.17610E-06	464055.2	3775713.1	418.6	3.66	2.33	2.89 YES
L0036005	0	0.17610E-06	464060.1	3775713.8	418.6	3.66	2.33	2.89 YES
L0036006	0	0.17610E-06	464065.1	3775714.5	418.6	3.66	2.33	2.89 YES
L0036007	0	0.17610E-06	464070.0	3775715.3	418.6	3.66	2.33	2.89 YES
L0036008	0	0.17610E-06	464074.9	3775716.0	418.6	3.66	2.33	2.89 YES
L0036009	0	0.17610E-06	464079.9	3775716.8	418.6	3.66	2.33	2.89 YES
L0036010	0	0.17610E-06	464084.8	3775717.5	418.6	3.66	2.33	2.89 YES
L0036011	0	0.17610E-06	464089.8	3775718.3	418.6	3.66	2.33	2.89 YES
L0036012	0	0.17610E-06	464094.7	3775719.0	418.5	3.66	2.33	2.89 YES
L0036013	0	0.17610E-06	464099.7	3775719.7	418.5	3.66	2.33	2.89 YES
L0036014	0	0.17610E-06	464104.6	3775720.5	418.5	3.66	2.33	2.89 YES
L0036015	0	0.17610E-06	464109.6	3775721.2	418.4	3.66	2.33	2.89 YES
L0036016	0	0.17610E-06	464114.5	3775722.0	418.4	3.66	2.33	2.89 YES
L0036017	0	0.17610E-06	464119.4	3775722.7	418.3	3.66	2.33	2.89 YES
L0036018	0	0.17610E-06	464124.4	3775723.5	418.2	3.66	2.33	2.89 YES
L0036019	0	0.17610E-06	464129.3	3775724.2	418.1	3.66	2.33	2.89 YES
L0036020	0	0.17610E-06	464134.3	3775724.9	417.9	3.66	2.33	2.89 YES
L0036021	0	0.17610E-06	464139.2	3775725.7	417.7	3.66	2.33	2.89 YES
L0036022	0	0.17610E-06	464144.2	3775726.4	417.5	3.66	2.33	2.89 YES
L0036023	0	0.17610E-06	464149.1	3775727.2	417.3	3.66	2.33	2.89 YES
L0036024	0	0.17610E-06	464154.1	3775727.9	417.2	3.66	2.33	2.89 YES
L0036025	0	0.17610E-06	464159.0	3775728.7	417.2	3.66	2.33	2.89 YES
L0036026	0	0.17610E-06	464163.9	3775729.4	417.2	3.66	2.33	2.89 YES

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2.89     YES
 L0036029         0   0.17610E-06  464178.8 3775731.6   417.4     3.66     2.33
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 L0036030         0   0.17610E-06  464183.7 3775732.4   417.5     3.66     2.33
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 L0036031         0   0.17610E-06  464188.7 3775733.1   417.6     3.66     2.33
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 L0036032         0   0.17610E-06  464193.6 3775733.9   417.7     3.66     2.33
2.89     YES
 L0036033         0   0.17610E-06  464198.6 3775734.6   417.8     3.66     2.33
2.89     YES
 L0036034         0   0.17610E-06  464203.5 3775735.3   417.9     3.66     2.33
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 L0036036         0   0.17610E-06  464213.4 3775736.8   417.4     3.66     2.33
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 L0036037         0   0.17610E-06  464218.3 3775737.6   417.1     3.66     2.33
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 L0036038         0   0.17610E-06  464220.3 3775737.7   417.0     3.66     2.33
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 L0036039         0   0.17610E-06  464215.5 3775736.4   417.2     3.66     2.33
2.89     YES
 L0036040         0   0.17610E-06  464210.7 3775735.0   417.4     3.66     2.33
2.89     YES
 L0036041         0   0.17610E-06  464205.9 3775733.7   417.7     3.66     2.33
2.89     YES
 L0036042         0   0.17610E-06  464201.1 3775732.4   417.8     3.66     2.33
2.89     YES
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
- - -

- - - - - - - - - - - - - - - - - - - -

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L0036044	0	0.17610E-06	464191.4	3775729.7	417.6	3.66	2.33	2.89	YES
L0036045	0	0.17610E-06	464186.6	3775728.4	417.4	3.66	2.33	2.89	YES
L0036046	0	0.17610E-06	464181.8	3775727.0	417.3	3.66	2.33	2.89	YES
L0036047	0	0.17610E-06	464177.0	3775725.7	417.2	3.66	2.33	2.89	YES
L0036048	0	0.17610E-06	464172.1	3775724.4	417.2	3.66	2.33	2.89	YES
L0036049	0	0.17610E-06	464167.3	3775723.0	417.2	3.66	2.33	2.89	YES
L0036050	0	0.17610E-06	464162.5	3775721.7	417.2	3.66	2.33	2.89	YES
L0036051	0	0.17610E-06	464157.7	3775720.4	417.2	3.66	2.33	2.89	YES
L0036052	0	0.17610E-06	464152.9	3775719.0	417.2	3.66	2.33	2.89	YES
L0036053	0	0.17610E-06	464148.0	3775717.7	417.3	3.66	2.33	2.89	YES
L0036054	0	0.17610E-06	464143.2	3775716.4	417.5	3.66	2.33	2.89	YES
L0036055	0	0.17610E-06	464138.4	3775715.0	417.7	3.66	2.33	2.89	YES
L0036056	0	0.17610E-06	464133.6	3775713.7	417.8	3.66	2.33	2.89	YES
L0036057	0	0.17610E-06	464128.8	3775712.4	418.0	3.66	2.33	2.89	YES
L0036058	0	0.17610E-06	464124.0	3775711.0	418.1	3.66	2.33	2.89	YES
L0036059	0	0.17610E-06	464119.1	3775709.7	418.1	3.66	2.33	2.89	YES
L0036060	0	0.17610E-06	464114.3	3775708.4	418.2	3.66	2.33	2.89	YES
L0036061	0	0.17610E-06	464109.5	3775707.0	418.2	3.66	2.33	2.89	YES
L0036062	0	0.17610E-06	464104.7	3775705.7	418.2	3.66	2.33	2.89	YES
L0036063	0	0.17610E-06	464099.9	3775704.4	418.2	3.66	2.33	2.89	YES
L0036064	0	0.17610E-06	464095.0	3775703.0	418.2	3.66	2.33	2.89	YES
L0036065	0	0.17610E-06	464090.2	3775701.7	418.2	3.66	2.33	2.89	YES
L0036066	0	0.17610E-06	464085.4	3775700.4	418.2	3.66	2.33	2.89	YES

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
- - -

- - - - - - - - - - - - - - - - - - -

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 L0036085   0   0.17610E-06 464159.2 3775706.1   417.1   3.66   2.33
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 L0036086   0   0.17610E-06 464164.2 3775706.6   417.0   3.66   2.33
2.89   YES
 L0036087   0   0.17610E-06 464169.2 3775707.1   416.9   3.66   2.33
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 L0036089   0   0.17610E-06 464179.1 3775708.1   416.7   3.66   2.33
2.89   YES
 L0036090   0   0.17610E-06 464184.1 3775708.6   416.7   3.66   2.33
2.89   YES
 L0036091   0   0.17610E-06 464189.1 3775709.1   416.7   3.66   2.33
2.89   YES
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2.89   YES
 L0036103   0   0.17610E-06 464186.2 3775697.1   416.3   3.66   2.33
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** AERMET - VERSION  16216 ***   ***
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                                  PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                  PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                  PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                  PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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Rialto\Olive Grove Rialto.isc       ***        01/16/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0035400    , L0035401    , L0035402    ,
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:40:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0035595 , L0035596 , L0035597 , L0035598 , L0035599 , L0035600 , L0035601 , L0035602 ,
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 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                  PAGE 147
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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L0039638 , L0039639 , L0039640 , L0039641 , L0039642 ,
L0039643 , L0039644 , L0039645 ,

L0039646 , L0039647 , L0039648 , L0039649 , L0039650 ,
L0039651 , L0039652 , L0039653 ,

L0039654 , L0039655 , L0039656 , L0039657 , L0039658 ,
L0039659 , L0039660 , L0039661 ,

L0039662 , L0039663 , L0039664 , L0039665 , L0039666 ,
L0039667 , L0039668 , L0039669 ,

L0039670 , L0039671 , L0039672 , L0039673 , L0039674 ,
L0039675 , L0039676 , L0039677 ,

L0039678 , L0039679 , L0039680 , L0039681 , L0039682 ,
L0039683 , L0039684 , L0039685 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0039694 , L0039695 , L0039696 , L0039697 , L0039698 ,
L0039699 , L0039700 , L0039701 ,

L0039702 , L0039703 , L0039704 , L0039705 , L0039706 ,
L0039707 , L0039708 , L0039709 ,

L0039710 , L0039711 , L0039712 , L0039713 , L0039714 ,
L0039715 , L0039716 , L0039717 ,

L0039718 , L0039719 , L0039720 , L0039721 , L0039722 ,
L0039723 , L0039724 , L0039725 ,

L0039726 , L0039727 , L0039728 , L0039729 , L0039730 ,
L0039731 , L0039732 , L0039733 ,

L0039734 , L0039735 , L0039736 , L0039737 , L0039738 ,
L0039739 , L0039740 , L0039741 ,

L0039742 , L0039743 , L0039744 , L0039745 , L0039746 ,
L0039747 , L0039748 , L0039749 ,

L0039750 , L0039751 , L0039752 , L0039753 , L0039754 ,
L0039755 , L0039756 , L0039757 ,

L0039758 , L0039759 , L0039760 , L0039761 , L0039762 ,
L0039763 , L0039764 , L0039765 ,

L0039766 , L0039767 , L0039768 , L0039769 , L0039770 ,
L0039771 , L0039772 , L0039773 ,

L0039774 , L0039775 , L0039776 , L0039777 , L0039778 ,

L0039779   , L0039780   , L0039781   ,

             L0039782   , L0039783   , L0039784   , L0039785   , L0039786   ,
L0039787   , L0039788   , L0039789   ,

             L0039790   , L0039791   , L0039792   , L0039793   , L0039794   ,
L0039795   , L0039796   , L0039797   ,

             L0039798   , L0039799   , L0039800   , L0039801   , L0039802   ,
L0039803   , L0039804   , L0039805   ,

             L0039806   , L0039807   , L0039808   , L0039809   , L0039810   ,
L0039811   , L0039812   , L0039813   ,

             L0039814   , L0039815   , L0039816   , L0039817   , L0039818   ,
L0039819   , L0039820   , L0039821   ,

             L0039822   , L0039823   , L0039824   , L0039825   , L0039826   ,
L0039827   , L0039828   , L0039829   ,

             L0039830   , L0039831   , L0039832   , L0039833   , L0039834   ,
L0039835   , L0039836   , L0039837   ,

             L0039838   , L0039839   , L0039840   , L0039841   , L0039842   ,
L0039843   , L0039844   , L0039845   ,

             L0039846   , L0039847   , L0039848   , L0039849   , L0039850   ,
L0039851   , L0039852   , L0039853   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0039854   , L0039855   , L0039856   , L0039857   , L0039858   ,
L0039859   , L0039860   , L0039861   ,

             L0039862   , L0039863   , L0039864   , L0039865   , L0039866   ,
L0039867   , L0039868   , L0039869   ,

L0039870 , L0039871 , L0039872 , L0039873 , L0039874 ,
L0039875 , L0039876 , L0039877 ,

L0039878 , L0039879 , L0039880 , L0039881 , L0039882 ,
L0039883 , L0039884 , L0039885 ,

L0039886 , L0039887 , L0039888 , L0039889 , L0039890 ,
L0039891 , L0039892 , L0039893 ,

L0039894 , L0039895 , L0039896 , L0039897 , L0039898 ,
L0039899 , L0039900 , L0039901 ,

L0039902 , L0039903 , L0039904 , L0039905 , L0039906 ,
L0039907 , L0039908 , L0039909 ,

L0039910 , L0039911 , L0039912 , L0039913 , L0039914 ,
L0039915 , L0039916 , L0039917 ,

L0039918 , L0039919 , L0039920 , L0039921 , L0039922 ,
L0039923 , L0039924 , L0039925 ,

L0039926 , L0039927 , L0039928 , L0039929 , L0039930 ,
L0039931 , L0039932 , L0039933 ,

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L0039939 , L0039940 , L0039941 ,

L0039942 , L0039943 , L0039944 , L0039945 , L0039946 ,
L0039947 , L0039948 , L0039949 ,

L0039950 , L0039951 , L0039952 , L0039953 , L0039954 ,
L0039955 , L0039956 , L0039957 ,

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L0039963 , L0039964 , L0039965 ,

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L0039971 , L0039972 , L0039973 ,

L0039974 , L0039975 , L0039976 , L0039977 , L0039978 ,
L0039979 , L0039980 , L0039981 ,

L0039982 , L0039983 , L0039984 , L0039985 , L0039986 ,
L0039987 , L0039988 , L0039989 ,

L0039990 , L0039991 , L0039992 , L0039993 , L0039994 ,
L0039995 , L0039996 , L0039997 ,

L0039998 , L0039999 , L0040000 , L0040001 , L0040002 ,
L0040003 , L0040004 , L0040005 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0040014 , L0040015 , L0040016 , L0040017 , L0040018 ,
L0040019 , L0040020 , L0040021 ,

L0040022 , L0040023 , L0040024 , L0040025 , L0040026 ,
L0040027 , L0040028 , L0040029 ,

L0040030 , L0040031 , L0040032 , L0040033 , L0040034 ,
L0040035 , L0040036 , L0040037 ,

L0040038 , L0040039 , L0040040 , L0040041 , L0040042 ,
L0040043 , L0040044 , L0040045 ,

L0040046 , L0040047 , L0040048 , L0040049 , L0040050 ,
L0040051 , L0040052 , L0040053 ,

L0040054 , L0040055 , L0040056 , L0040057 , L0040058 ,
L0040059 , L0040060 , L0040061 ,

L0040062 , L0040063 , L0040064 , L0040065 , L0040066 ,
L0040067 , L0040068 , L0040069 ,

L0040070 , L0040071 , L0040072 , L0040073 , L0040074 ,
L0040075 , L0040076 , L0040077 ,

L0040078 , L0040079 , L0040080 , L0040081 , L0040082 ,
L0040083 , L0040084 , L0040085 ,

L0040086 , L0040087 , L0040088 , L0040089 , L0040090 ,
L0040091 , L0040092 , L0040093 ,

L0040094 , L0040095 , L0040096 , L0040097 , L0040098 ,

L0040099   , L0040100   , L0040101   ,

             L0040102   , L0040103   , L0040104   , L0040105   , L0040106   ,
L0040107   , L0040108   , L0040109   ,

             L0040110   , L0040111   , L0040112   , L0040113   , L0040114   ,
L0040115   , L0040116   , L0040117   ,

             L0040118   , L0040119   , L0040120   , L0040121   , L0040122   ,
L0040123   , L0040124   , L0040125   ,

             L0040126   , L0040127   , L0040128   , L0040129   , L0040130   ,
L0040131   , L0040132   , L0040133   ,

             L0040134   , L0040135   , L0040136   , L0040137   , L0040138   ,
L0040139   , L0040140   , L0040141   ,

             L0040142   , L0040143   , L0040144   , L0040145   , L0040146   ,
L0040147   , L0040148   , L0040149   ,

             L0040150   , L0040151   , L0040152   , L0040153   , L0040154   ,
L0040155   , L0040156   , L0040157   ,

             L0040158   , L0040159   , L0040160   , L0040161   , L0040162   ,
L0040163   , L0040164   , L0040165   ,

             L0040166   , L0040167   , L0040168   , L0040169   , L0040170   ,
L0040171   , L0040172   , L0040173   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0040174   , L0040175   , L0040176   , L0040177   , L0040178   ,
L0040179   , L0040180   , L0040181   ,

             L0040182   , L0040183   , L0040184   , L0040185   , L0040186   ,
L0040187   , L0040188   , L0040189   ,

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             L0040190    , L0040191    , L0040192    , L0040193    , L0040194    ,
L0040195    , L0040196    , L0040197    ,

             L0040198    , L0040199    , L0040200    , L0040201    , L0040202    ,
L0040203    , L0040204    , L0040205    ,

             L0040206    , L0040207    , L0040208    , L0040209    , L0040210    ,
L0040211    , L0040212    , L0040213    ,

             L0040214    , L0040215    , L0040216    , L0040217    , L0040218    ,
L0040219    , L0040220    , L0040221    ,

             L0040222    , L0040223    , L0040224    , L0040225    , L0040226    ,
L0040227    , L0040228    , L0040229    ,

             L0040230    , L0040231    , L0040232    , L0040233    , L0040234    ,
L0040235    , L0040236    , L0040237    ,

             L0040238    , L0040239    , L0040240    , L0040241    , L0040242    ,
L0040243    , L0040244    , L0040245    ,

             L0040246    , L0040247    , L0040248    , L0040249    , L0040250    ,
L0040251    , L0040252    , L0040253    ,

             L0040254    , L0040255    , L0040256    , L0040257    , L0040258    ,
L0040259    , L0040260    , L0040261    ,

             L0040262    , L0040263    , L0040264    , L0040265    , L0040266    ,
L0040267    , L0040268    , L0040269    ,

             L0040270    , L0040271    , L0040272    , L0040273    , L0040274    ,
L0040275    , L0040276    , L0040277    ,

             L0040278    , L0040279    , L0040280    , L0040281    , L0040282    ,
L0040283    , L0040284    , L0040285    ,

             L0040286    , L0040287    , L0040288    , L0040289    , L0040290    ,
L0040291    , L0040292    , L0040293    ,

             L0040294    , L0040295    , L0040296    , L0040297    , L0040298    ,
L0040299    , L0040300    , L0040301    ,

             L0040302    , L0040303    , L0040304    , L0040305    , L0040306    ,
L0040307    , L0040308    , L0040309    ,

             L0040310    , L0040311    , L0040312    , L0040313    , L0040314    ,
L0040315    , L0040316    , L0040317    ,

             L0040318    , L0040319    , L0040320    , L0040321    , L0040322    ,
L0040323    , L0040324    , L0040325    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0040334 , L0040335 , L0040336 , L0040337 , L0040338 ,
L0040339 , L0040340 , L0040341 ,

L0040342 , L0040343 , L0040344 , L0040345 , L0040346 ,
L0040347 , L0040348 , L0040349 ,

L0040350 , L0040351 , L0040352 , L0040353 , L0040354 ,
L0040355 , L0040356 , L0040357 ,

L0040358 , L0040359 , L0040360 , L0040361 , L0040362 ,
L0040363 , L0040364 , L0040365 ,

L0040366 , L0040367 , L0040368 , L0040369 , L0040370 ,
L0040371 , L0040372 , L0040373 ,

L0040374 , L0040375 , L0040376 , L0040377 , L0040378 ,
L0040379 , L0040380 , L0040381 ,

L0040382 , L0040383 , L0040384 , L0040385 , L0040386 ,
L0040387 , L0040388 , L0040389 ,

L0040390 , L0040391 , L0040392 , L0040393 , L0040394 ,
L0040395 , L0040396 , L0040397 ,

L0040398 , L0040399 , L0040400 , L0040401 , L0040402 ,
L0040403 , L0040404 , L0040405 ,

L0040406 , L0040407 , L0040408 , L0040409 , L0040410 ,
L0040411 , L0040412 , L0040413 ,

L0040414 , L0040415 , L0040416 , L0040417 , L0040418 ,

L0040419   , L0040420   , L0040421   ,

             L0040422   , L0040423   , L0040424   , L0040425   , L0040426   ,
L0040427   , L0040428   , L0040429   ,

             L0040430   , L0040431   , L0040432   , L0040433   , L0040434   ,
L0040435   , L0040436   , L0040437   ,

             L0040438   , L0040439   , L0040440   , L0040441   , L0040442   ,
L0040443   , L0040444   , L0040445   ,

             L0040446   , L0040447   , L0040448   , L0040449   , L0040450   ,
L0040451   , L0040452   , L0040453   ,

             L0040454   , L0040455   , L0040456   , L0040457   , L0040458   ,
L0040459   , L0040460   , L0040461   ,

             L0040462   , L0040463   , L0040464   , L0040465   , L0040466   ,
L0040467   , L0040468   , L0040469   ,

             L0040470   , L0040471   , L0040472   , L0040473   , L0040474   ,
L0040475   , L0040476   , L0040477   ,

             L0040478   , L0040479   , L0040480   , L0040481   , L0040482   ,
L0040483   , L0040484   , L0040485   ,

             L0040486   , L0040487   , L0040488   , L0040489   , L0040490   ,
L0040491   , L0040492   , L0040493   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0040494   , L0040495   , L0040496   , L0040497   , L0040498   ,
L0040499   , L0040500   , L0040501   ,

             L0040502   , L0040503   , L0040504   , L0040505   , L0040506   ,
L0040507   , L0040508   , L0040509   ,

L0040510 , L0040511 , L0040512 , L0040513 , L0040514 ,
L0040515 , L0040516 , L0040517 ,

L0040518 , L0040519 , L0040520 , L0040521 , L0040522 ,
L0040523 , L0040524 , L0040525 ,

L0040526 , L0040527 , L0040528 , L0040529 , L0040530 ,
L0040531 , L0040532 , L0040533 ,

L0040534 , L0040535 , L0040536 , L0040537 , L0040538 ,
L0040539 , L0040540 , L0040541 ,

L0040542 , L0040543 , L0040544 , L0040545 , L0040546 ,
L0040547 , L0040548 , L0040549 ,

L0040550 , L0040551 , L0040552 , L0040553 , L0040554 ,
L0040555 , L0040556 , L0040557 ,

L0040558 , L0040559 , L0040560 , L0040561 , L0040562 ,
L0040563 , L0040564 , L0040565 ,

L0040566 , L0040567 , L0040568 , L0040569 , L0040570 ,
L0040571 , L0040572 , L0040573 ,

L0040574 , L0040575 , L0040576 , L0040577 , L0040578 ,
L0040579 , L0040580 , L0040581 ,

L0040582 , L0040583 , L0040584 , L0040585 , L0040586 ,
L0040587 , L0040588 , L0040589 ,

L0040590 , L0040591 , L0040592 , L0040593 , L0040594 ,
L0040595 , L0040596 , L0040597 ,

L0040598 , L0040599 , L0040600 , L0040601 , L0040602 ,
L0040603 , L0040604 , L0040605 ,

L0040606 , L0040607 , L0040608 , L0040609 , L0040610 ,
L0040611 , L0040612 , L0040613 ,

L0040614 , L0040615 , L0040616 , L0040617 , L0040618 ,
L0040619 , L0040620 , L0040621 ,

L0040622 , L0040623 , L0040624 , L0040625 , L0040626 ,
L0040627 , L0040628 , L0040629 ,

L0040630 , L0040631 , L0040632 , L0040633 , L0040634 ,
L0040635 , L0040636 , L0040637 ,

L0040638 , L0040639 , L0040640 , L0040641 , L0040642 ,
L0040643 , L0040644 , L0040645 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0040654 , L0040655 , L0040656 , L0040657 , L0040658 ,
L0040659 , L0040660 , L0040661 ,

L0040662 , L0040663 , L0040664 , L0040665 , L0040666 ,
L0040667 , L0040668 , L0040669 ,

L0040670 , L0040671 , L0040672 , L0040673 , L0040674 ,
L0040675 , L0040676 , L0040677 ,

L0040678 , L0040679 , L0040680 , L0040681 , L0040682 ,
L0040683 , L0040684 , L0040685 ,

L0040686 , L0040687 , L0040688 , L0040689 , L0040690 ,
L0040691 , L0040692 , L0040693 ,

L0040694 , L0040695 , L0040696 , L0040697 , L0040698 ,
L0040699 , L0040700 , L0040701 ,

L0040702 , L0040703 , L0040704 , L0040705 , L0040706 ,
L0040707 , L0040708 , L0040709 ,

L0040710 , L0040711 , L0040712 , L0040713 , L0040714 ,
L0040715 , L0040716 , L0040717 ,

L0040718 , L0040719 , L0040720 , L0040721 , L0040722 ,
L0040723 , L0040724 , L0040725 ,

L0040726 , L0040727 , L0040728 , L0040729 , L0040730 ,
L0040731 , L0040732 , L0040733 ,

L0040734 , L0040735 , L0040736 , L0040737 , L0040738 ,

L0040739   , L0040740   , L0040741   ,

             L0040742   , L0040743   , L0040744   , L0040745   , L0040746   ,
L0040747   , L0040748   , L0040749   ,

             L0040750   , L0040751   , L0040752   , L0040753   , L0040754   ,
L0040755   , L0040756   , L0040757   ,

             L0040758   , L0040759   , L0040760   , L0040761   , L0040762   ,
L0040763   , L0040764   , L0040765   ,

             L0040766   , L0040767   , L0040768   , L0040769   , L0040770   ,
L0040771   , L0040772   , L0040773   ,

             L0040774   , L0040775   , L0040776   , L0040777   , L0040778   ,
L0040779   , L0040780   , L0040781   ,

             L0040782   , L0040783   , L0040784   , L0040785   , L0040786   ,
L0040787   , L0040788   , L0040789   ,

             L0040790   , L0040791   , L0040792   , L0040793   , L0040794   ,
L0040795   , L0040796   , L0040797   ,

             L0040798   , L0040799   , L0040800   , L0040801   , L0040802   ,
L0040803   , L0040804   , L0040805   ,

             L0040806   , L0040807   , L0040808   , L0040809   , L0040810   ,
L0040811   , L0040812   , L0040813   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0040814   , L0040815   , L0040816   , L0040817   , L0040818   ,
L0040819   , L0040820   , L0040821   ,

             L0040822   , L0040823   , L0040824   , L0040825   , L0040826   ,
L0040827   , L0040828   , L0040829   ,

L0040830 , L0040831 , L0040832 , L0040833 , L0040834 ,
L0040835 , L0040836 , L0040837 ,

L0040838 , L0040839 , L0040840 , L0040841 , L0040842 ,
L0040843 , L0040844 , L0040845 ,

L0040846 , L0040847 , L0040848 , L0040849 , L0040850 ,
L0040851 , L0040852 , L0040853 ,

L0040854 , L0040855 , L0040856 , L0040857 , L0040858 ,
L0040859 , L0040860 , L0040861 ,

L0040862 , L0040863 , L0040864 , L0040865 , L0040866 ,
L0040867 , L0040868 , L0040869 ,

L0040870 , L0040871 , L0040872 , L0040873 , L0040874 ,
L0040875 , L0040876 , L0040877 ,

L0040878 , L0040879 , L0040880 , L0040881 , L0040882 ,
L0040883 , L0040884 , L0040885 ,

L0040886 , L0040887 , L0040888 , L0040889 , L0040890 ,
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L0040894 , L0040895 , L0040896 , L0040897 , L0040898 ,
L0040899 , L0040900 , L0040901 ,

L0040902 , L0040903 , L0040904 , L0040905 , L0040906 ,
L0040907 , L0040908 , L0040909 ,

L0040910 , L0040911 , L0040912 , L0040913 , L0040914 ,
L0040915 , L0040916 , L0040917 ,

L0040918 , L0040919 , L0040920 , L0040921 , L0040922 ,
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L0040926 , L0040927 , L0040928 , L0040929 , L0040930 ,
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L0040934 , L0040935 , L0040936 , L0040937 , L0040938 ,
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L0040942 , L0040943 , L0040944 , L0040945 , L0040946 ,
L0040947 , L0040948 , L0040949 ,

L0040950 , L0040951 , L0040952 , L0040953 , L0040954 ,
L0040955 , L0040956 , L0040957 ,

L0040958 , L0040959 , L0040960 , L0040961 , L0040962 ,
L0040963 , L0040964 , L0040965 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0040974 , L0040975 , L0040976 , L0040977 , L0040978 ,
L0040979 , L0040980 , L0040981 ,

L0040982 , L0040983 , L0040984 , L0040985 , L0040986 ,
L0040987 , L0040988 , L0040989 ,

L0040990 , L0040991 , L0040992 , L0040993 , L0040994 ,
L0040995 , L0040996 , L0040997 ,

L0040998 , L0040999 , L0041000 , L0041001 , L0041002 ,
L0041003 , L0041004 , L0041005 ,

L0041006 , L0041007 , L0041008 , L0041009 , L0041010 ,
L0041011 , L0041012 , L0041013 ,

L0041014 , L0041015 , L0041016 , L0041017 , L0041018 ,
L0041019 , L0041020 , L0041021 ,

L0041022 , L0041023 , L0041024 , L0041025 , L0041026 ,
L0041027 , L0041028 , L0041029 ,

L0041030 , L0041031 , L0041032 , L0041033 , L0041034 ,
L0041035 , L0041036 , L0041037 ,

L0041038 , L0041039 , L0041040 , L0041041 , L0041042 ,
L0041043 , L0041044 , L0041045 ,

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L0041051 , L0041052 , L0041053 ,

L0041054 , L0041055 , L0041056 , L0041057 , L0041058 ,

L0041059   , L0041060   , L0041061   ,

             L0041062   , L0041063   , L0041064   , L0041065   , L0041066   ,
L0041067   , L0041068   , L0041069   ,

             L0041070   , L0041071   , L0041072   , L0041073   , L0041074   ,
L0041075   , L0041076   , L0041077   ,

             L0041078   , L0041079   , L0041080   , L0041081   , L0041082   ,
L0041083   , L0041084   , L0041085   ,

             L0041086   , L0041087   , L0041088   , L0041089   , L0041090   ,
L0041091   , L0041092   , L0041093   ,

             L0041094   , L0041095   , L0041096   , L0041097   , L0041098   ,
L0041099   , L0041100   , L0041101   ,

             L0041102   , L0041103   , L0041104   , L0041105   , L0041106   ,
L0041107   , L0041108   , L0041109   ,

             L0041110   , L0041111   , L0041112   , L0041113   , L0041114   ,
L0041115   , L0041116   , L0041117   ,

             L0041118   , L0041119   , L0041120   , L0041121   , L0041122   ,
L0041123   , L0041124   , L0041125   ,

             L0041126   , L0041127   , L0041128   , L0041129   , L0041130   ,
L0041131   , L0041132   , L0041133   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0041134   , L0041135   , L0041136   , L0041137   , L0041138   ,
L0041139   , L0041140   , L0041141   ,

             L0041142   , L0041143   , L0041144   , L0041145   , L0041146   ,
L0041147   , L0041148   , L0041149   ,

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             L0041150    , L0041151    , L0041152    , L0041153    , L0041154    ,
L0041155    , L0041156    , L0041157    ,

             L0041158    , L0041159    , L0041160    , L0041161    , L0041162    ,
L0041163    , L0041164    , L0041165    ,

             L0041166    , L0041167    , L0041168    , L0041169    , L0041170    ,
L0041171    , L0041172    , L0041173    ,

             L0041174    , L0041175    , L0041176    , L0041177    , L0041178    ,
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L0041187    , L0041188    , L0041189    ,

             L0041190    , L0041191    , L0041192    , L0041193    , L0041194    ,
L0041195    , L0041196    , L0041197    ,

             L0041198    , L0041199    , L0041200    , L0041201    , L0041202    ,
L0041203    , L0041204    , L0041205    ,

             L0041206    , L0041207    , L0041208    , L0041209    , L0041210    ,
L0041211    , L0041212    , L0041213    ,

             L0041214    , L0041215    , L0041216    , L0041217    , L0041218    ,
L0041219    , L0041220    , L0041221    ,

             L0041222    , L0041223    , L0041224    , L0041225    , L0041226    ,
L0041227    , L0041228    , L0041229    ,

             L0041230    , L0041231    , L0041232    , L0041233    , L0041234    ,
L0041235    , L0041236    , L0041237    ,

             L0041238    , L0041239    , L0041240    , L0041241    , L0041242    ,
L0041243    , L0041244    , L0041245    ,

             L0041246    , L0041247    , L0041248    , L0041249    , L0041250    ,
L0041251    , L0041252    , L0041253    ,

             L0041254    , L0041255    , L0041256    , L0041257    , L0041258    ,
L0041259    , L0041260    , L0041261    ,

             L0041262    , L0041263    , L0041264    , L0041265    , L0041266    ,
L0041267    , L0041268    , L0041269    ,

             L0041270    , L0041271    , L0041272    , L0041273    , L0041274    ,
L0041275    , L0041276    , L0041277    ,

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L0041283    , L0041284    , L0041285    ,
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0041294 , L0041295 , L0041296 , L0041297 , L0041298 ,
L0041299 , L0041300 , L0041301 ,

L0041302 , L0041303 , L0041304 , L0041305 , L0041306 ,
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L0041310 , L0041311 , L0041312 , L0041313 , L0041314 ,
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L0041318 , L0041319 , L0041320 , L0041321 , L0041322 ,
L0041323 , L0041324 , L0041325 ,

L0041326 , L0041327 , L0041328 , L0041329 , L0041330 ,
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L0041342 , L0041343 , L0041344 , L0041345 , L0041346 ,
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L0041358 , L0041359 , L0041360 , L0041361 , L0041362 ,
L0041363 , L0041364 , L0041365 ,

L0041366 , L0041367 , L0041368 , L0041369 , L0041370 ,
L0041371 , L0041372 , L0041373 ,

L0041374 , L0041375 , L0041376 , L0041377 , L0041378 ,

L0041379   , L0041380   , L0041381   ,

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L0041387   , L0041388   , L0041389   ,

             L0041390   , L0041391   , L0041392   , L0041393   , L0041394   ,
L0041395   , L0041396   , L0041397   ,

             L0041398   , L0041399   , L0041400   , L0041401   , L0041402   ,
L0041403   , L0041404   , L0041405   ,

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L0041411   , L0041412   , L0041413   ,

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L0041427   , L0041428   , L0041429   ,

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L0041435   , L0041436   , L0041437   ,

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L0041443   , L0041444   , L0041445   ,

             L0041446   , L0041447   , L0041448   , L0041449   , L0041450   ,
L0041451   , L0041452   , L0041453   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0041454   , L0041455   , L0041456   , L0041457   , L0041458   ,
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             L0041462   , L0041463   , L0041464   , L0041465   , L0041466   ,
L0041467   , L0041468   , L0041469   ,

L0041470 , L0041471 , L0041472 , L0041473 , L0041474 , L0041475 , L0041476 , L0041477 ,

L0041478 , L0041479 , L0041480 , L0041481 , L0041482 , L0041483 , L0041484 , L0041485 ,

L0041486 , L0041487 , L0041488 , L0041489 , L0041490 , L0041491 , L0041492 , L0041493 ,

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*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

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L0041683 , L0041684 , L0041685 ,

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L0041691 , L0041692 , L0041693 ,

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L0041723   , L0041724   , L0041725   ,

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L0041731   , L0041732   , L0041733   ,

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             L0041766   , L0041767   , L0041768   , L0041769   , L0041770   ,
L0041771   , L0041772   , L0041773   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0041782   , L0041783   , L0041784   , L0041785   , L0041786   ,
L0041787   , L0041788   , L0041789   ,

L0041790 , L0041791 , L0041792 , L0041793 , L0041794 ,
L0041795 , L0041796 , L0041797 ,

L0041798 , L0041799 , L0041800 , L0041801 , L0041802 ,
L0041803 , L0041804 , L0041805 ,

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L0041811 , L0041812 , L0041813 ,

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L0041819 , L0041820 , L0041821 ,

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L0041827 , L0041828 , L0041829 ,

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L0041835 , L0041836 , L0041837 ,

L0041838 , L0041839 , L0041840 , L0041841 , L0041842 ,
L0041843 , L0041844 , L0041845 ,

L0041846 , L0041847 , L0041848 , L0041849 , L0041850 ,
L0041851 , L0041852 , L0041853 ,

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L0041859 , L0041860 , L0041861 ,

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L0041867 , L0041868 , L0041869 ,

L0041870 , L0041871 , L0041872 , L0041873 , L0041874 ,
L0041875 , L0041876 , L0041877 ,

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L0041883 , L0041884 , L0041885 ,

L0041886 , L0041887 , L0041888 , L0041889 , L0041890 ,
L0041891 , L0041892 , L0041893 ,

L0041894 , L0041895 , L0041896 , L0041897 , L0041898 ,
L0041899 , L0041900 , L0041901 ,

L0041902 , L0041903 , L0041904 , L0041905 , L0041906 ,
L0041907 , L0041908 , L0041909 ,

L0041910 , L0041911 , L0041912 , L0041913 , L0041914 ,
L0041915 , L0041916 , L0041917 ,

L0041918 , L0041919 , L0041920 , L0041921 , L0041922 ,
L0041923 , L0041924 , L0041925 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

L0041934 , L0041935 , L0041936 , L0041937 , L0041938 ,
L0041939 , L0041940 , L0041941 ,

L0041942 , L0041943 , L0041944 , L0041945 , L0041946 ,
L0041947 , L0041948 , L0041949 ,

L0041950 , L0041951 , L0041952 , L0041953 , L0041954 ,
L0041955 , L0041956 , L0041957 ,

L0041958 , L0041959 , L0041960 , L0041961 , L0041962 ,
L0041963 , L0041964 , L0041965 ,

L0041966 , L0041967 , L0041968 , L0041969 , L0041970 ,
L0041971 , L0041972 , L0041973 ,

L0041974 , L0041975 , L0041976 , L0041977 , L0041978 ,
L0041979 , L0041980 , L0041981 ,

L0041982 , L0041983 , L0041984 , L0041985 , L0041986 ,
L0041987 , L0041988 , L0041989 ,

L0041990 , L0041991 , L0041992 , L0041993 , L0041994 ,
L0041995 , L0041996 , L0041997 ,

L0041998 , L0041999 , L0042000 , L0042001 , L0042002 ,
L0042003 , L0042004 , L0042005 ,

L0042006 , L0042007 , L0042008 , L0042009 , L0042010 ,
L0042011 , L0042012 , L0042013 ,

L0042014 , L0042015 , L0042016 , L0042017 , L0042018 ,

L0042019   , L0042020   , L0042021   ,

             L0042022   , L0042023   , L0042024   , L0042025   , L0042026   ,
L0042027   , L0042028   , L0042029   ,

             L0042030   , L0042031   , L0042032   , L0042033   , L0042034   ,
L0042035   , L0042036   , L0042037   ,

             L0042038   , L0042039   , L0042040   , L0042041   , L0042042   ,
L0042043   , L0042044   , L0042045   ,

             L0042046   , L0042047   , L0042048   , L0042049   , L0042050   ,
L0042051   , L0042052   , L0042053   ,

             L0042054   , L0042055   , L0042056   , L0042057   , L0042058   ,
L0042059   , L0042060   , L0042061   ,

             L0042062   , L0042063   , L0042064   , L0042065   , L0042066   ,
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L0042075   , L0042076   , L0042077   ,

             L0042078   , L0042079   , L0042080   , L0042081   , L0042082   ,
L0042083   , L0042084   , L0042085   ,

             L0042086   , L0042087   , L0042088   , L0042089   , L0042090   ,
L0042091   , L0042092   , L0042093   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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L0042099   , L0042100   , L0042101   ,

             L0042102   , L0042103   , L0042104   , L0042105   , L0042106   ,
L0042107   , L0042108   , L0042109   ,

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             L0042110    , L0042111    , L0042112    , L0042113    , L0042114    ,
L0042115    , L0042116    , L0042117    ,

             L0042118    , L0042119    , L0042120    , L0042121    , L0042122    ,
L0042123    , L0042124    , L0042125    ,

             L0042126    , L0042127    , L0042128    , L0042129    , L0042130    ,
L0042131    , L0042132    , L0042133    ,

             L0042134    , L0042135    , L0042136    , L0042137    , L0042138    ,
L0042139    , L0042140    , L0042141    ,

             L0042142    , L0042143    , L0042144    , L0042145    , L0042146    ,
L0042147    , L0042148    , L0042149    ,

             L0042150    , L0042151    , L0042152    , L0042153    , L0042154    ,
L0042155    , L0042156    , L0042157    ,

             L0042158    , L0042159    , L0042160    , L0042161    , L0042162    ,
L0042163    , L0042164    , L0042165    ,

             L0042166    , L0042167    , L0042168    , L0042169    , L0042170    ,
L0042171    , L0042172    , L0042173    ,

             L0042174    , L0042175    , L0042176    , L0042177    , L0042178    ,
L0042179    , L0042180    , L0042181    ,

             L0042182    , L0042183    , L0042184    , L0042185    , L0042186    ,
L0042187    , L0042188    , L0042189    ,

             L0042190    , L0042191    , L0042192    , L0042193    , L0042194    ,
L0042195    , L0042196    , L0042197    ,

             L0042198    , L0042199    , L0042200    , L0042201    , L0042202    ,
L0042203    , L0042204    , L0042205    ,

             L0042206    , L0042207    , L0042208    , L0042209    , L0042210    ,
L0042211    , L0042212    , L0042213    ,

             L0042214    , L0042215    , L0042216    , L0042217    , L0042218    ,
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L0042227    , L0042228    , L0042229    ,

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L0042235    , L0042236    , L0042237    ,

             L0042238    , L0042239    , L0042240    , L0042241    , L0042242    ,
L0042243    , L0042244    , L0042245    ,
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*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs

L0042254 , L0042255 , L0042256 , L0042257 , L0042258 ,
L0042259 , L0042260 , L0042261 ,

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L0042307 , L0042308 , L0042309 ,

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L0042323 , L0042324 , L0042325 ,

L0042326 , L0042327 , L0042328 , L0042329 , L0042330 ,
L0042331 , L0042332 , L0042333 ,

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L0042403   , L0042404   , L0042405   ,

             L0042406   , L0042407   , L0042408   , L0042409   , L0042410   ,
L0042411   , L0042412   , L0042413   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP   SOURCE IDs
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             L0042414   , L0042415   , L0042416   , L0042417   , L0042418   ,
L0042419   , L0042420   , L0042421   ,

             L0042422   , L0042423   , L0042424   , L0042425   , L0042426   ,
L0042427   , L0042428   , L0042429   ,

L0042430 , L0042431 , L0042432 , L0042433 , L0042434 ,
L0042435 , L0042436 , L0042437 ,

L0042438 , L0042439 , L0042440 , L0042441 , L0042442 ,
L0042443 , L0042444 , L0042445 ,

L0042446 , L0042447 , L0042448 , L0042449 , L0042450 ,
L0042451 , L0042452 , L0042453 ,

L0042454 , L0042455 , L0042456 , L0042457 , L0042458 ,
L0042459 , L0042460 , L0042461 ,

L0042462 , L0042463 , L0042464 , L0042465 , L0042466 ,
L0042467 , L0042468 , L0042469 ,

L0042470 , L0042471 , L0042472 , L0042473 , L0042474 ,
L0042475 , L0042476 , L0042477 ,

L0042478 , L0042479 , L0042480 , L0042481 , L0042482 ,
L0042483 , L0042484 , L0042485 ,

L0042486 , L0042487 , L0042488 , L0042489 , L0042490 ,
L0042491 , L0042492 , L0042493 ,

L0042494 , L0042495 , L0042496 , L0042497 , L0042498 ,
L0042499 , L0042500 , L0042501 ,

L0042502 , L0042503 , L0042504 , L0042505 , L0042506 ,
L0042507 , L0042508 , L0042509 ,

L0042510 , L0042511 , L0042512 , L0042513 , L0042514 ,
L0042515 , L0042516 , L0042517 ,

L0042518 , L0042519 , L0034389 , L0034390 , L0034391 ,
L0034392 , L0034393 , L0034394 ,

L0034395 , L0034396 , L0034397 , L0034398 , L0034399 ,
L0034400 , L0034401 , L0034402 ,

L0034403 , L0034404 , L0034405 , L0034406 , L0034407 ,
L0034408 , L0034409 , L0034410 ,

L0034411 , L0034412 , L0034413 , L0034414 , L0034415 ,
L0034416 , L0034417 , L0034418 ,

L0034419 , L0034420 , L0034421 , L0034422 , L0034423 ,
L0034424 , L0034425 , L0034426 ,

L0034427 , L0034428 , L0034429 , L0034430 , L0034431 ,
L0034432 , L0034433 , L0034434 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0034443 , L0034444 , L0034445 , L0034446 , L0034447 ,
L0034448 , L0034449 , L0034450 ,

L0034451 , L0034452 , L0034453 , L0034454 , L0034455 ,
L0034456 , L0034457 , L0034458 ,

L0034459 , L0034460 , L0034461 , L0034462 , L0034463 ,
L0034464 , L0034465 , L0034466 ,

L0034467 , L0034468 , L0034469 , L0034470 , L0034471 ,
L0034472 , L0034473 , L0034474 ,

L0034475 , L0034476 , L0034477 , L0034478 , L0034479 ,
L0034480 , L0034481 , L0034482 ,

L0034483 , L0034484 , L0034485 , L0034486 , L0034487 ,
L0034488 , L0034489 , L0034490 ,

L0034491 , L0034492 , L0034493 , L0034494 , L0034495 ,
L0034496 , L0034497 , L0034498 ,

L0034499 , L0034500 , L0034501 , L0034502 , L0034503 ,
L0034504 , L0034505 , L0034506 ,

L0034507 , L0034508 , L0034509 , L0034510 , L0034511 ,
L0034512 , L0034513 , L0034514 ,

L0034515 , L0034516 , L0034517 , L0034518 , L0034519 ,
L0034520 , L0034521 , L0034522 ,

L0034523 , L0034524 , L0034525 , L0034526 , L0034527 ,

L0034528   , L0034529   , L0034530   ,

             L0034531   , L0034532   , L0034533   , L0034534   , L0034535   ,
L0034536   , L0034537   , L0034538   ,

             L0034539   , L0034540   , L0034541   , L0034542   , L0034543   ,
L0034544   , L0034545   , L0034546   ,

             L0034547   , L0034548   , L0034549   , L0034550   , L0034551   ,
L0034552   , L0034553   , L0034554   ,

             L0034555   , L0034556   , L0034557   , L0034558   , L0034559   ,
L0034560   , L0034561   , L0034562   ,

             L0034563   , L0034564   , L0034565   , L0034566   , L0034567   ,
L0034568   , L0034569   , L0034570   ,

             L0034571   , L0034572   , L0034573   , L0034574   , L0034575   ,
L0034576   , L0034577   , L0034578   ,

             L0034579   , L0034580   , L0034581   , L0034582   , L0034583   ,
L0034584   , L0034585   , L0034586   ,

             L0034587   , L0034588   , L0034589   , L0034590   , L0034591   ,
L0034592   , L0034593   , L0034594   ,

             L0034595   , L0034596   , L0034597   , L0034598   , L0034599   ,
L0034600   , L0034601   , L0034602   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0034603   , L0034604   , L0034605   , L0034606   , L0034607   ,
L0034608   , L0034609   , L0034610   ,

             L0034611   , L0034612   , L0034613   , L0034614   , L0034615   ,
L0034616   , L0034617   , L0034618   ,

L0034619 , L0034620 , L0034621 , L0034622 , L0034623 ,
L0034624 , L0034625 , L0034626 ,

L0034627 , L0034628 , L0034629 , L0034630 , L0034631 ,
L0034632 , L0034633 , L0034634 ,

L0034635 , L0034636 , L0034637 , L0034638 , L0034639 ,
L0034640 , L0034641 , L0034642 ,

L0034643 , L0034644 , L0034645 , L0034646 , L0034647 ,
L0034648 , L0034649 , L0034650 ,

L0034651 , L0034652 , L0034653 , L0034654 , L0034655 ,
L0034656 , L0034657 , L0034658 ,

L0034659 , L0034660 , L0034661 , L0034662 , L0034663 ,
L0034664 , L0034665 , L0034666 ,

L0034667 , L0034668 , L0034669 , L0034670 , L0034671 ,
L0034672 , L0034673 , L0034674 ,

L0034675 , L0034676 , L0034677 , L0034678 , L0034679 ,
L0034680 , L0034681 , L0034682 ,

L0034683 , L0034684 , L0034685 , L0034686 , L0034687 ,
L0034688 , L0034689 , L0034690 ,

L0034691 , L0034692 , L0034693 , L0034694 , L0034695 ,
L0034696 , L0034697 , L0034698 ,

L0034699 , L0034700 , L0034701 , L0034702 , L0034703 ,
L0034704 , L0034705 , L0034706 ,

L0034707 , L0034708 , L0034709 , L0034710 , L0034711 ,
L0034712 , L0034713 , L0034714 ,

L0034715 , L0034716 , L0034717 , L0034718 , L0034719 ,
L0034720 , L0034721 , L0034722 ,

L0034723 , L0034724 , L0034725 , L0034726 , L0034727 ,
L0034728 , L0034729 , L0034730 ,

L0034731 , L0034732 , L0034733 , L0034734 , L0034735 ,
L0034736 , L0034737 , L0034738 ,

L0034739 , L0034740 , L0034741 , L0034742 , L0034743 ,
L0034744 , L0034745 , L0034746 ,

L0034747 , L0034748 , L0034749 , L0034750 , L0034751 ,
L0034752 , L0034753 , L0034754 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0034763 , L0034764 , L0034765 , L0034766 , L0034767 ,
L0034768 , L0034769 , L0034770 ,

L0034771 , L0034772 , L0034773 , L0034774 , L0034775 ,
L0034776 , L0034777 , L0034778 ,

L0034779 , L0034780 , L0034781 , L0034782 , L0034783 ,
L0034784 , L0034785 , L0034786 ,

L0034787 , L0034788 , L0034789 , L0034790 , L0034791 ,
L0034792 , L0034793 , L0034794 ,

L0034795 , L0034796 , L0034797 , L0034798 , L0034799 ,
L0034800 , L0034801 , L0034802 ,

L0034803 , L0034804 , L0034805 , L0034806 , L0034807 ,
L0034808 , L0034809 , L0034810 ,

L0034811 , L0034812 , L0034813 , L0034814 , L0034815 ,
L0034816 , L0034817 , L0034818 ,

L0034819 , L0034820 , L0034821 , L0034822 , L0034823 ,
L0034824 , L0034825 , L0034826 ,

L0034827 , L0034828 , L0034829 , L0034830 , L0034831 ,
L0034832 , L0034833 , L0034834 ,

L0034835 , L0034836 , L0034837 , L0034838 , L0034839 ,
L0034840 , L0034841 , L0034842 ,

L0034843 , L0034844 , L0034845 , L0034846 , L0034847 ,

L0034848   , L0034849   , L0034850   ,

             L0034851   , L0034852   , L0034853   , L0034854   , L0034855   ,
L0034856   , L0034857   , L0034858   ,

             L0034859   , L0034860   , L0034861   , L0034862   , L0034863   ,
L0034864   , L0034865   , L0034866   ,

             L0034867   , L0034868   , L0034869   , L0034870   , L0034871   ,
L0034872   , L0034873   , L0034874   ,

             L0034875   , L0034876   , L0034877   , L0034878   , L0034879   ,
L0034880   , L0034881   , L0034882   ,

             L0034883   , L0034884   , L0034885   , L0034886   , L0034887   ,
L0034888   , L0034889   , L0034890   ,

             L0034891   , L0034892   , L0034893   , L0034894   , L0034895   ,
L0034896   , L0034897   , L0034898   ,

             L0034899   , L0034900   , L0034901   , L0034902   , L0034903   ,
L0034904   , L0034905   , L0034906   ,

             L0034907   , L0034908   , L0034909   , L0034910   , L0034911   ,
L0034912   , L0034913   , L0034914   ,

             L0034915   , L0034916   , L0034917   , L0034918   , L0034919   ,
L0034920   , L0034921   , L0034922   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0034923   , L0034924   , L0034925   , L0034926   , L0034927   ,
L0034928   , L0034929   , L0034930   ,

             L0034931   , L0034932   , L0034933   , L0034934   , L0034935   ,
L0034936   , L0034937   , L0034938   ,

L0034939 , L0034940 , L0034941 , L0034942 , L0034943 ,
L0034944 , L0034945 , L0034946 ,

L0034947 , L0034948 , L0034949 , L0034950 , L0034951 ,
L0034952 , L0034953 , L0034954 ,

L0034955 , L0034956 , L0034957 , L0034958 , L0034959 ,
L0034960 , L0034961 , L0034962 ,

L0034963 , L0034964 , L0034965 , L0034966 , L0034967 ,
L0034968 , L0034969 , L0034970 ,

L0034971 , L0034972 , L0034973 , L0034974 , L0034975 ,
L0034976 , L0034977 , L0034978 ,

L0034979 , L0034980 , L0034981 , L0034982 , L0034983 ,
L0034984 , L0034985 , L0034986 ,

L0034987 , L0034988 , L0034989 , L0034990 , L0034991 ,
L0034992 , L0034993 , L0034994 ,

L0034995 , L0034996 , L0034997 , L0034998 , L0034999 ,
L0035000 , L0035001 , L0035002 ,

L0035003 , L0035004 , L0035005 , L0035006 , L0035007 ,
L0035008 , L0035009 , L0035010 ,

L0035011 , L0035012 , L0035013 , L0035014 , L0035015 ,
L0035016 , L0035017 , L0035018 ,

L0035019 , L0035020 , L0035021 , L0035022 , L0035023 ,
L0035024 , L0035025 , L0035026 ,

L0035027 , L0035028 , L0035029 , L0035030 , L0035031 ,
L0035032 , L0035033 , L0035034 ,

L0035035 , L0035036 , L0035037 , L0035038 , L0035039 ,
L0035040 , L0035041 , L0035042 ,

L0035043 , L0035044 , L0035045 , L0035046 , L0035047 ,
L0035048 , L0035049 , L0035050 ,

L0035051 , L0035052 , L0035053 , L0035054 , L0035055 ,
L0035056 , L0035057 , L0035058 ,

L0035059 , L0035060 , L0035061 , L0035062 , L0035063 ,
L0035064 , L0035065 , L0035066 ,

L0035067 , L0035068 , L0035069 , L0035070 , L0035071 ,
L0035072 , L0035073 , L0035074 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0035083 , L0035084 , L0035085 , L0035086 , L0035087 ,
L0035088 , L0035089 , L0035090 ,

L0035091 , L0035092 , L0035093 , L0035094 , L0035095 ,
L0035096 , L0035097 , L0035098 ,

L0035099 , L0035100 , L0035101 , L0035102 , L0035103 ,
L0035104 , L0035105 , L0035106 ,

L0035107 , L0035108 , L0035109 , L0035110 , L0035111 ,
L0035112 , L0035113 , L0035114 ,

L0035115 , L0035116 , L0035117 , L0035118 , L0035119 ,
L0035120 , L0035121 , L0035122 ,

L0035123 , L0035124 , L0035125 , L0035126 , L0035127 ,
L0035128 , L0035129 , L0035130 ,

L0035131 , L0035132 , L0035133 , L0035134 , L0035135 ,
L0035136 , L0035137 , L0035138 ,

L0035139 , L0035140 , L0035141 , L0035142 , L0035143 ,
L0035144 , L0035145 , L0035146 ,

L0035147 , L0035148 , L0035149 , L0035150 , L0035151 ,
L0035152 , L0035153 , L0035154 ,

L0035155 , L0035156 , L0035157 , L0035158 , L0035159 ,
L0035160 , L0035161 , L0035162 ,

L0035163 , L0035164 , L0035165 , L0035166 , L0035167 ,

L0035168   , L0035169   , L0035170   ,

             L0035171   , L0035172   , L0035173   , L0035174   , L0035175   ,
L0035176   , L0035177   , L0035178   ,

             L0035179   , L0035180   , L0035181   , L0035182   , L0035183   ,
L0035184   , L0035185   , L0035186   ,

             L0035187   , L0035188   , L0035189   , L0035190   , L0035191   ,
L0035192   , L0035193   , L0035194   ,

             L0035195   , L0035196   , L0035197   , L0035198   , L0035199   ,
L0035200   , L0035201   , L0035202   ,

             L0035203   , L0035204   , L0035205   , L0035206   , L0035207   ,
L0035208   , L0035209   , L0035210   ,

             L0035211   , L0035212   , L0035213   , L0035214   , L0035215   ,
L0035216   , L0035217   , L0035218   ,

             L0035219   , L0035220   , L0035221   , L0035222   , L0035223   ,
L0035224   , L0035225   , L0035226   ,

             L0035227   , L0035228   , L0035229   , L0035230   , L0035231   ,
L0035232   , L0035233   , L0035234   ,

             L0035235   , L0035236   , L0035237   , L0035238   , L0035239   ,
L0035240   , L0035241   , L0035242   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0035243   , L0035244   , L0035245   , L0035246   , L0035247   ,
L0035248   , L0035249   , L0035250   ,

             L0035251   , L0035252   , L0035253   , L0035254   , L0035255   ,
L0035256   , L0035257   , L0035258   ,

L0035259 , L0035260 , L0035261 , L0035262 , L0035263 , L0035264 , L0035265 , L0035266 ,

L0035267 , L0035268 , L0035269 , L0035270 , L0035271 , L0035272 , L0035273 , L0035274 ,

L0035275 , L0035276 , L0035277 , L0035278 , L0035279 , L0035280 , L0035281 , L0035282 ,

L0035283 , L0035284 , L0035285 , L0035286 , L0035287 , L0035288 , L0035289 , L0035290 ,

L0035291 , L0035292 , L0035293 , L0035294 , L0035295 , L0035296 , L0035297 , L0035298 ,

L0035299 , L0035300 , L0035301 , L0035302 , L0035303 , L0035304 , L0035305 , L0035306 ,

L0035307 , L0035308 , L0035309 , L0035310 , L0035311 , L0035312 , L0035313 , L0035314 ,

L0035315 , L0035316 , L0035317 , L0035318 , L0035319 , L0035320 , L0035321 , L0035322 ,

L0035323 , L0035324 , L0035325 , L0035326 , L0035327 , L0035328 , L0035329 , L0035330 ,

L0035331 , L0035332 , L0035333 , L0035334 , L0035335 , L0035336 , L0035337 , L0035338 ,

L0035339 , L0035340 , L0035341 , L0035342 , L0035343 , L0035344 , L0035345 , L0035346 ,

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L0035355 , L0035356 , L0035357 , L0035358 , L0035359 , L0035360 , L0035361 , L0035362 ,

L0035363 , L0035364 , L0035365 , L0035366 , L0035367 , L0035368 , L0035369 , L0035370 ,

L0035371 , L0035372 , L0035373 , L0035374 , L0035375 , L0035376 , L0035377 , L0035378 ,

L0035379 , L0035380 , L0035381 , L0035382 , L0035383 , L0035384 , L0035385 , L0035386 ,

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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0035403 , L0035404 , L0035405 , L0035406 , L0035407 ,
L0035408 , L0035409 , L0035410 ,

L0035411 , L0035412 , L0035413 , L0035414 , L0035415 ,
L0035416 , L0035417 , L0035418 ,

L0035419 , L0035420 , L0035421 , L0035422 , L0035423 ,
L0035424 , L0035425 , L0035426 ,

L0035427 , L0035428 , L0035429 , L0035430 , L0035431 ,
L0035432 , L0035433 , L0035434 ,

L0035435 , L0035436 , L0035437 , L0035438 , L0035439 ,
L0035440 , L0035441 , L0035442 ,

L0035443 , L0035444 , L0035445 , L0035446 , L0035447 ,
L0035448 , L0035449 , L0035450 ,

L0035451 , L0035452 , L0035453 , L0035454 , L0035455 ,
L0035456 , L0035457 , L0035458 ,

L0035459 , L0035460 , L0035461 , L0035462 , L0035463 ,
L0035464 , L0035465 , L0035466 ,

L0035467 , L0035468 , L0035469 , L0035470 , L0035471 ,
L0035472 , L0035473 , L0035474 ,

L0035475 , L0035476 , L0035477 , L0035478 , L0035479 ,
L0035480 , L0035481 , L0035482 ,

L0035483 , L0035484 , L0035485 , L0035486 , L0035487 ,

L0035488   , L0035489   , L0035490   ,

             L0035491   , L0035492   , L0035493   , L0035494   , L0035495   ,
L0035496   , L0035497   , L0035498   ,

             L0035499   , L0035500   , L0035501   , L0035502   , L0035503   ,
L0035504   , L0035505   , L0035506   ,

             L0035507   , L0035508   , L0035509   , L0035510   , L0035511   ,
L0035512   , L0035513   , L0035514   ,

             L0035515   , L0035516   , L0035517   , L0035518   , L0035519   ,
L0035520   , L0035521   , L0035522   ,

             L0035523   , L0035524   , L0035525   , L0035526   , L0035527   ,
L0035528   , L0035529   , L0035530   ,

             L0035531   , L0035532   , L0035533   , L0035534   , L0035535   ,
L0035536   , L0035537   , L0035538   ,

             L0035539   , L0035540   , L0035541   , L0035542   , L0035543   ,
L0035544   , L0035545   , L0035546   ,

             L0035547   , L0035548   , L0035549   , L0035550   , L0035551   ,
L0035552   , L0035553   , L0035554   ,

             L0035555   , L0035556   , L0035557   , L0035558   , L0035559   ,
L0035560   , L0035561   , L0035562   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0035563   , L0035564   , L0035565   , L0035566   , L0035567   ,
L0035568   , L0035569   , L0035570   ,

             L0035571   , L0035572   , L0035573   , L0035574   , L0035575   ,
L0035576   , L0035577   , L0035578   ,

L0035579 , L0035580 , L0035581 , L0035582 , L0035583 , L0035584 , L0035585 , L0035586 ,

L0035587 , L0035588 , L0035589 , L0035590 , L0035591 , L0035592 , L0035593 , L0035594 ,

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L0035659 , L0035660 , L0035661 , L0035662 , L0035663 , L0035664 , L0035665 , L0035666 ,

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L0035691 , L0035692 , L0035693 , L0035694 , L0035695 , L0035696 , L0035697 , L0035698 ,

L0035699 , L0035700 , L0035701 , L0035702 , L0035703 , L0035704 , L0035705 , L0035706 ,

L0035707 , L0035708 , L0035709 , L0035710 , L0035711 , L0035712 , L0035713 , L0035714 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0035723 , L0035724 , L0035725 , L0035726 , L0035727 ,
L0035728 , L0035729 , L0035730 ,

L0035731 , L0035732 , L0035733 , L0035734 , L0035735 ,
L0035736 , L0035737 , L0035738 ,

L0035739 , L0035740 , L0035741 , L0035742 , L0035743 ,
L0035744 , L0035745 , L0035746 ,

L0035747 , L0035748 , L0035749 , L0035750 , L0035751 ,
L0035752 , L0035753 , L0035754 ,

L0035755 , L0035756 , L0035757 , L0035758 , L0035759 ,
L0035760 , L0035761 , L0035762 ,

L0035763 , L0035764 , L0035765 , L0035766 , L0035767 ,
L0035768 , L0035769 , L0035770 ,

L0035771 , L0035772 , L0035773 , L0035774 , L0035775 ,
L0035776 , L0035777 , L0035778 ,

L0035779 , L0035780 , L0035781 , L0035782 , L0035783 ,
L0035784 , L0035785 , L0035786 ,

L0035787 , L0035788 , L0035789 , L0035790 , L0035791 ,
L0035792 , L0035793 , L0035794 ,

L0035795 , L0035796 , L0035797 , L0035798 , L0035799 ,
L0035800 , L0035801 , L0035802 ,

L0035803 , L0035804 , L0035805 , L0035806 , L0035807 ,

L0035808   , L0035809   , L0035810   ,

             L0035811   , L0035812   , L0035813   , L0035814   , L0035815   ,
L0035816   , L0035817   , L0035818   ,

             L0035819   , L0035820   , L0035821   , L0035822   , L0035823   ,
L0035824   , L0035825   , L0035826   ,

             L0035827   , L0035828   , L0035829   , L0035830   , L0035831   ,
L0035832   , L0035833   , L0035834   ,

             L0035835   , L0035836   , L0035837   , L0035838   , L0035839   ,
L0035840   , L0035841   , L0035842   ,

             L0035843   , L0035844   , L0035845   , L0035846   , L0035847   ,
L0035848   , L0035849   , L0035850   ,

             L0035851   , L0035852   , L0035853   , L0035854   , L0035855   ,
L0035856   , L0035857   , L0035858   ,

             L0035859   , L0035860   , L0035861   , L0035862   , L0035863   ,
L0035864   , L0035865   , L0035866   ,

             L0035867   , L0035868   , L0035869   , L0035870   , L0035871   ,
L0035872   , L0035873   , L0035874   ,

             L0035875   , L0035876   , L0035877   , L0035878   , L0035879   ,
L0035880   , L0035881   , L0035882   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0035883   , L0035884   , L0035885   , L0035886   , L0035887   ,
L0035888   , L0035889   , L0035890   ,

             L0035891   , L0035892   , L0035893   , L0035894   , L0035895   ,
L0035896   , L0035897   , L0035898   ,

L0035899 , L0035900 , L0035901 , L0035902 , L0035903 ,
L0035904 , L0035905 , L0035906 ,

L0035907 , L0035908 , L0035909 , L0035910 , L0035911 ,
L0035912 , L0035913 , L0035914 ,

L0035915 , L0035916 , L0035917 , L0035918 , L0035919 ,
L0035920 , L0035921 , L0035922 ,

L0035923 , L0035924 , L0035925 , L0035926 , L0035927 ,
L0035928 , L0035929 , L0035930 ,

L0035931 , L0035932 , L0035933 , L0035934 , L0035935 ,
L0035936 , L0035937 , L0035938 ,

L0035939 , L0035940 , L0035941 , L0035942 , L0035943 ,
L0035944 , L0035945 , L0035946 ,

L0035947 , L0035948 , L0035949 , L0035950 , L0035951 ,
L0035952 , L0035953 , L0035954 ,

L0035955 , L0035956 , L0035957 , L0035958 , L0035959 ,
L0035960 , L0035961 , L0035962 ,

L0035963 , L0035964 , L0035965 , L0035966 , L0035967 ,
L0035968 , L0035969 , L0035970 ,

L0035971 , L0035972 , L0035973 , L0035974 , L0035975 ,
L0035976 , L0035977 , L0035978 ,

L0035979 , L0035980 , L0035981 , L0035982 , L0035983 ,
L0035984 , L0035985 , L0035986 ,

L0035987 , L0035988 , L0035989 , L0035990 , L0035991 ,
L0035992 , L0035993 , L0035994 ,

L0035995 , L0035996 , L0035997 , L0035998 , L0035999 ,
L0036000 , L0036001 , L0036002 ,

L0036003 , L0036004 , L0036005 , L0036006 , L0036007 ,
L0036008 , L0036009 , L0036010 ,

L0036011 , L0036012 , L0036013 , L0036014 , L0036015 ,
L0036016 , L0036017 , L0036018 ,

L0036019 , L0036020 , L0036021 , L0036022 , L0036023 ,
L0036024 , L0036025 , L0036026 ,

L0036027 , L0036028 , L0036029 , L0036030 , L0036031 ,
L0036032 , L0036033 , L0036034 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0036043 , L0036044 , L0036045 , L0036046 , L0036047 ,
L0036048 , L0036049 , L0036050 ,

L0036051 , L0036052 , L0036053 , L0036054 , L0036055 ,
L0036056 , L0036057 , L0036058 ,

L0036059 , L0036060 , L0036061 , L0036062 , L0036063 ,
L0036064 , L0036065 , L0036066 ,

L0036067 , L0036068 , L0036069 , L0036070 , L0036071 ,
L0036072 , L0036073 , L0036074 ,

L0036075 , L0036076 , L0036077 , L0036078 , L0036079 ,
L0036080 , L0036081 , L0036082 ,

L0036083 , L0036084 , L0036085 , L0036086 , L0036087 ,
L0036088 , L0036089 , L0036090 ,

L0036091 , L0036092 , L0036093 , L0036094 , L0036095 ,
L0036096 , L0036097 , L0036098 ,

L0036099 , L0036100 , L0036101 , L0036102 , L0036103 ,

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(463437.1, 3775314.9, 415.0, 415.0, 0.0); (463487.1, 3775314.9, 415.0, 415.0, 0.0);
(463537.1, 3775314.9, 413.9, 413.9, 0.0); (463587.1, 3775314.9, 414.1, 414.1, 0.0);
(463637.1, 3775314.9, 413.4, 413.4, 0.0); (463687.1, 3775314.9, 413.7, 413.7, 0.0);
(463737.1, 3775314.9, 413.0, 413.0, 0.0); (463787.1, 3775314.9, 412.5, 412.5, 0.0);
(463837.1, 3775314.9, 412.7, 412.7, 0.0); (463887.1, 3775314.9, 412.3, 412.3, 0.0);
(463937.1, 3775314.9, 412.1, 412.1, 0.0); (463987.1, 3775314.9, 411.5, 411.5, 0.0);
(464037.1, 3775314.9, 411.6, 411.6, 0.0); (464087.1, 3775314.9, 411.7, 411.7, 0.0);
(464137.1, 3775314.9, 411.9, 411.9, 0.0); (464187.1, 3775314.9, 411.1, 411.1, 0.0);
(464237.1, 3775314.9, 410.6, 410.6, 0.0); (464287.1, 3775314.9, 409.8, 409.8, 0.0);
(464337.1, 3775314.9, 409.1, 409.1, 0.0); (463437.1, 3775364.9, 416.1, 416.1, 0.0);
(463487.1, 3775364.9, 415.8, 415.8, 0.0); (463537.1, 3775364.9, 414.7, 414.7, 0.0);
(463587.1, 3775364.9, 414.8, 414.8, 0.0); (463637.1, 3775364.9, 414.1, 414.1, 0.0);
(463687.1, 3775364.9, 414.3, 414.3, 0.0); (463737.1, 3775364.9, 413.8, 413.8, 0.0);
(463787.1, 3775364.9, 413.2, 413.2, 0.0); (463837.1, 3775364.9, 413.3, 413.3, 0.0);
(463887.1, 3775364.9, 412.8, 412.8, 0.0); (463937.1, 3775364.9, 412.6, 412.6, 0.0);
(463987.1, 3775364.9, 412.2, 412.2, 0.0); (464037.1, 3775364.9, 412.4, 412.4, 0.0);
(464087.1, 3775364.9, 412.5, 412.5, 0.0); (464137.1, 3775364.9, 411.8, 411.8, 0.0);
(464187.1, 3775364.9, 411.6, 411.6, 0.0); (464237.1, 3775364.9, 411.4, 411.4, 0.0);
(464287.1, 3775364.9, 410.0, 410.0, 0.0); (464337.1, 3775364.9, 409.7, 409.7, 0.0);
(463437.1, 3775414.9, 416.5, 416.5, 0.0); (463487.1, 3775414.9, 415.8, 415.8, 0.0);
(463537.1, 3775414.9, 415.7, 415.7, 0.0); (463587.1, 3775414.9, 415.1, 415.1, 0.0);
(463637.1, 3775414.9, 415.1, 415.1, 0.0); (463687.1, 3775414.9, 414.9, 414.9, 0.0);
(463737.1, 3775414.9, 414.8, 414.8, 0.0); (463787.1, 3775414.9, 413.9, 413.9, 0.0);
(463837.1, 3775414.9, 414.4, 414.4, 0.0); (463887.1,

3775414.9,   414.0,   414.0,   0.0);
     (463937.1, 3775414.9,   413.8,   413.8,   0.0);   (463987.1,
3775414.9,   413.2,   413.2,   0.0);
     (464037.1, 3775414.9,   413.3,   413.3,   0.0);   (464087.1,
3775414.9,   413.4,   413.4,   0.0);
     (464137.1, 3775414.9,   412.6,   412.6,   0.0);   (464187.1,
3775414.9,   412.3,   412.3,   0.0);
     (464237.1, 3775414.9,   411.3,   411.3,   0.0);   (464287.1,
3775414.9,   410.6,   410.6,   0.0);
     (463437.1, 3775464.9,   417.2,   417.2,   0.0);   (463487.1,
3775464.9,   416.5,   416.5,   0.0);
     (463537.1, 3775464.9,   416.4,   416.4,   0.0);   (463587.1,
3775464.9,   416.0,   416.0,   0.0);
     (463637.1, 3775464.9,   416.1,   416.1,   0.0);   (463687.1,
3775464.9,   415.5,   415.5,   0.0);
     (463737.1, 3775464.9,   415.4,   415.4,   0.0);   (463787.1,
3775464.9,   414.8,   414.8,   0.0);
     (463837.1, 3775464.9,   415.0,   415.0,   0.0);   (463887.1,
3775464.9,   414.5,   414.5,   0.0);
     (463937.1, 3775464.9,   414.4,   414.4,   0.0);   (463987.1,
3775464.9,   414.0,   414.0,   0.0);
     (464037.1, 3775464.9,   414.2,   414.2,   0.0);   (464087.1,
3775464.9,   414.2,   414.2,   0.0);
     (464137.1, 3775464.9,   413.6,   413.6,   0.0);   (464187.1,
3775464.9,   413.1,   413.1,   0.0);
     (464237.1, 3775464.9,   412.0,   412.0,   0.0);   (464287.1,
3775464.9,   410.2,   410.2,   0.0);
     (463437.1, 3775514.9,   418.1,   418.1,   0.0);   (463487.1,
3775514.9,   417.3,   417.3,   0.0);
     (463537.1, 3775514.9,   417.6,   417.6,   0.0);   (463587.1,
3775514.9,   417.2,   417.2,   0.0);
     (463637.1, 3775514.9,   416.8,   416.8,   0.0);   (463687.1,
3775514.9,   416.8,   416.8,   0.0);
     (463737.1, 3775514.9,   415.9,   415.9,   0.0);   (463787.1,
3775514.9,   415.7,   415.7,   0.0);
     (463837.1, 3775514.9,   415.9,   415.9,   0.0);   (463887.1,
3775514.9,   415.7,   415.7,   0.0);
     (463937.1, 3775514.9,   415.7,   415.7,   0.0);   (463987.1,
3775514.9,   415.1,   415.1,   0.0);
     (464037.1, 3775514.9,   414.9,   414.9,   0.0);   (464087.1,
3775514.9,   414.7,   414.7,   0.0);
     (464137.1, 3775514.9,   414.2,   414.2,   0.0);   (464187.1,
3775514.9,   413.4,   413.4,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464237.1, 3775514.9, 412.7, 412.7, 0.0); (463437.1, 3775564.9, 419.0, 419.0, 0.0);
(463487.1, 3775564.9, 418.4, 418.4, 0.0); (463537.1, 3775564.9, 418.8, 418.8, 0.0);
(463587.1, 3775564.9, 418.2, 418.2, 0.0); (463637.1, 3775564.9, 418.0, 418.0, 0.0);
(463687.1, 3775564.9, 418.1, 418.1, 0.0); (463737.1, 3775564.9, 417.2, 417.2, 0.0);
(463787.1, 3775564.9, 416.5, 416.5, 0.0); (463837.1, 3775564.9, 416.8, 416.8, 0.0);
(463887.1, 3775564.9, 416.6, 416.6, 0.0); (463937.1, 3775564.9, 416.5, 416.5, 0.0);
(463987.1, 3775564.9, 416.3, 416.3, 0.0); (464037.1, 3775564.9, 416.1, 416.1, 0.0);
(464087.1, 3775564.9, 415.8, 415.8, 0.0); (464137.1, 3775564.9, 415.0, 415.0, 0.0);
(464187.1, 3775564.9, 413.6, 413.6, 0.0); (464237.1, 3775564.9, 411.8, 411.8, 0.0);
(463437.1, 3775614.9, 420.0, 420.0, 0.0); (463487.1, 3775614.9, 419.3, 419.3, 0.0);
(463537.1, 3775614.9, 419.7, 419.7, 0.0); (463587.1, 3775614.9, 419.7, 419.7, 0.0);
(463637.1, 3775614.9, 419.1, 419.1, 0.0); (463687.1, 3775614.9, 418.5, 418.5, 0.0);
(463737.1, 3775614.9, 417.8, 417.8, 0.0); (463787.1, 3775614.9, 417.3, 417.3, 0.0);
(463837.1, 3775614.9, 417.8, 417.8, 0.0); (463887.1, 3775614.9, 417.7, 417.7, 0.0);
(463937.1, 3775614.9, 417.1, 417.1, 0.0); (463987.1, 3775614.9, 416.6, 416.6, 0.0);
(464037.1, 3775614.9, 416.4, 416.4, 0.0); (464087.1, 3775614.9, 416.2, 416.2, 0.0);
(464137.1, 3775614.9, 415.4, 415.4, 0.0); (464187.1, 3775614.9, 414.1, 414.1, 0.0);
(464237.1, 3775614.9, 412.3, 412.3, 0.0); (463437.1, 3775664.9, 421.0, 421.0, 0.0);
(463487.1, 3775664.9, 420.6, 420.6, 0.0); (463537.1, 3775664.9, 420.5, 420.5, 0.0);
(463587.1, 3775664.9, 420.3, 420.3, 0.0); (463637.1, 3775664.9, 419.9, 419.9, 0.0);
(463687.1, 3775664.9, 419.4, 419.4, 0.0); (463737.1, 3775664.9, 419.0, 419.0, 0.0);
(463787.1, 3775664.9, 418.7, 418.7, 0.0); (463837.1, 3775664.9, 418.6, 418.6, 0.0);
(463887.1, 3775664.9, 418.4, 418.4, 0.0); (463937.1,

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3775664.9,     417.9,     417.9,       0.0);
     ( 463987.1, 3775664.9,     417.5,     417.5,       0.0);         ( 464037.1,
3775664.9,     417.3,     417.3,       0.0);
     ( 464087.1, 3775664.9,     417.0,     417.0,       0.0);         ( 464137.1,
3775664.9,     416.4,     416.4,       0.0);
     ( 464187.1, 3775664.9,     415.5,     415.5,       0.0);         ( 464237.1,
3775664.9,     414.8,     414.8,       0.0);
     ( 464537.1, 3775764.9,     415.6,     415.6,       0.0);         ( 464587.1,
3775764.9,     416.0,     416.0,       0.0);
     ( 464487.1, 3775814.9,     416.7,     416.7,       0.0);         ( 464537.1,
3775814.9,     416.6,     416.6,       0.0);
     ( 464587.1, 3775814.9,     416.3,     416.3,       0.0);         ( 464437.1,
3775864.9,     417.9,     417.9,       0.0);
     ( 464487.1, 3775864.9,     417.1,     417.1,       0.0);         ( 464537.1,
3775864.9,     417.4,     417.4,       0.0);
     ( 464587.1, 3775864.9,     417.2,     417.2,       0.0);         ( 464437.1,
3775914.9,     418.1,     418.1,       0.0);
     ( 464487.1, 3775914.9,     417.3,     417.3,       0.0);         ( 464537.1,
3775914.9,     417.7,     417.7,       0.0);
     ( 464587.1, 3775914.9,     418.0,     418.0,       0.0);         ( 464437.1,
3775964.9,     418.9,     418.9,       0.0);
     ( 464487.1, 3775964.9,     418.1,     418.1,       0.0);         ( 464537.1,
3775964.9,     418.4,     418.4,       0.0);
     ( 464587.1, 3775964.9,     418.5,     418.5,       0.0);         ( 464437.1,
3776014.9,     419.7,     419.7,       0.0);
     ( 464487.1, 3776014.9,     419.0,     419.0,       0.0);         ( 464537.1,
3776014.9,     419.2,     419.2,       0.0);
     ( 464587.1, 3776014.9,     419.2,     419.2,       0.0);         ( 464437.1,
3776064.9,     421.3,     421.3,       0.0);
     ( 464487.1, 3776064.9,     420.7,     420.7,       0.0);         ( 464537.1,
3776064.9,     420.7,     420.7,       0.0);
     ( 464587.1, 3776064.9,     420.8,     420.8,       0.0);         ( 464437.1,
3776114.9,     422.4,     422.4,       0.0);
     ( 464487.1, 3776114.9,     421.9,     421.9,       0.0);         ( 464537.1,
3776114.9,     421.8,     421.8,       0.0);
     ( 464587.1, 3776114.9,     421.5,     421.5,       0.0);         ( 464437.1,
3776164.9,     422.9,     422.9,       0.0);
     ( 464487.1, 3776164.9,     422.3,     422.3,       0.0);         ( 464537.1,
3776164.9,     422.3,     422.3,       0.0);
     ( 464587.1, 3776164.9,     421.9,     421.9,       0.0);         ( 464437.1,
3776214.9,     423.0,     423.0,       0.0);
     ( 464487.1, 3776214.9,     422.3,     422.3,       0.0);         ( 464537.1,
3776214.9,     422.6,     422.6,       0.0);
     ( 464587.1, 3776214.9,     422.1,     422.1,       0.0);         ( 464437.1,
3776264.9,     423.7,     423.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464487.1, 3776264.9, 423.1, 423.1, 0.0); (464537.1, 3776264.9, 423.1, 423.1, 0.0);
(464587.1, 3776264.9, 422.4, 422.4, 0.0); (464237.1, 3776314.9, 424.8, 424.8, 0.0);
(464287.1, 3776314.9, 424.5, 424.5, 0.0); (464337.1, 3776314.9, 424.4, 424.4, 0.0);
(464387.1, 3776314.9, 424.2, 424.2, 0.0); (464437.1, 3776314.9, 423.9, 423.9, 0.0);
(464487.1, 3776314.9, 423.4, 423.4, 0.0); (464537.1, 3776314.9, 423.2, 423.2, 0.0);
(464587.1, 3776314.9, 423.1, 423.1, 0.0); (463056.5, 3775313.5, 417.4, 417.4, 0.0);
(463106.5, 3775313.5, 416.2, 416.2, 0.0); (463156.5, 3775313.5, 415.9, 415.9, 0.0);
(463206.5, 3775313.5, 415.7, 415.7, 0.0); (463256.5, 3775313.5, 415.5, 415.5, 0.0);
(463306.5, 3775313.5, 415.4, 415.4, 0.0); (463356.5, 3775313.5, 415.0, 415.0, 0.0);
(463406.5, 3775313.5, 415.1, 415.1, 0.0); (463056.5, 3775363.5, 418.2, 418.2, 0.0);
(463106.5, 3775363.5, 416.6, 416.6, 0.0); (463156.5, 3775363.5, 416.4, 416.4, 0.0);
(463206.5, 3775363.5, 416.2, 416.2, 0.0); (463256.5, 3775363.5, 416.0, 416.0, 0.0);
(463306.5, 3775363.5, 415.8, 415.8, 0.0); (463356.5, 3775363.5, 415.6, 415.6, 0.0);
(463406.5, 3775363.5, 415.8, 415.8, 0.0); (463056.5, 3775413.5, 418.9, 418.9, 0.0);
(463106.5, 3775413.5, 417.4, 417.4, 0.0); (463156.5, 3775413.5, 418.2, 418.2, 0.0);
(463206.5, 3775413.5, 418.3, 418.3, 0.0); (463256.5, 3775413.5, 418.1, 418.1, 0.0);
(463306.5, 3775413.5, 417.9, 417.9, 0.0); (463356.5, 3775413.5, 417.3, 417.3, 0.0);
(463406.5, 3775413.5, 416.9, 416.9, 0.0); (463056.5, 3775463.5, 419.8, 419.8, 0.0);
(463106.5, 3775463.5, 418.3, 418.3, 0.0); (463156.5, 3775463.5, 418.9, 418.9, 0.0);
(463206.5, 3775463.5, 418.9, 418.9, 0.0); (463256.5, 3775463.5, 418.7, 418.7, 0.0);
(463306.5, 3775463.5, 418.5, 418.5, 0.0); (463356.5, 3775463.5, 418.1, 418.1, 0.0);
(463406.5, 3775463.5, 417.7, 417.7, 0.0); (463056.5,

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3775513.5,     420.6,     420.6,       0.0);
     ( 463106.5, 3775513.5,     419.2,     419.2,       0.0);         ( 463156.5,
3775513.5,     419.5,     419.5,       0.0);
     ( 463206.5, 3775513.5,     419.1,     419.1,       0.0);         ( 463256.5,
3775513.5,     418.9,     418.9,       0.0);
     ( 463306.5, 3775513.5,     418.7,     418.7,       0.0);         ( 463356.5,
3775513.5,     418.4,     418.4,       0.0);
     ( 463406.5, 3775513.5,     418.5,     418.5,       0.0);         ( 463056.5,
3775563.5,     421.5,     421.5,       0.0);
     ( 463106.5, 3775563.5,     420.1,     420.1,       0.0);         ( 463156.5,
3775563.5,     420.6,     420.6,       0.0);
     ( 463206.5, 3775563.5,     420.4,     420.4,       0.0);         ( 463256.5,
3775563.5,     420.0,     420.0,       0.0);
     ( 463306.5, 3775563.5,     419.7,     419.7,       0.0);         ( 463356.5,
3775563.5,     419.2,     419.2,       0.0);
     ( 463406.5, 3775563.5,     419.3,     419.3,       0.0);         ( 463056.5,
3775613.5,     422.4,     422.4,       0.0);
     ( 463106.5, 3775613.5,     420.9,     420.9,       0.0);         ( 463156.5,
3775613.5,     421.1,     421.1,       0.0);
     ( 463206.5, 3775613.5,     421.1,     421.1,       0.0);         ( 463256.5,
3775613.5,     420.6,     420.6,       0.0);
     ( 463306.5, 3775613.5,     420.2,     420.2,       0.0);         ( 463356.5,
3775613.5,     419.7,     419.7,       0.0);
     ( 463406.5, 3775613.5,     420.1,     420.1,       0.0);         ( 463056.5,
3775663.5,     423.3,     423.3,       0.0);
     ( 463106.5, 3775663.5,     422.6,     422.6,       0.0);         ( 463156.5,
3775663.5,     422.4,     422.4,       0.0);
     ( 463206.5, 3775663.5,     422.3,     422.3,       0.0);         ( 463256.5,
3775663.5,     421.9,     421.9,       0.0);
     ( 463306.5, 3775663.5,     421.6,     421.6,       0.0);         ( 463356.5,
3775663.5,     421.3,     421.3,       0.0);
     ( 463406.5, 3775663.5,     421.1,     421.1,       0.0);         ( 461019.2,
3775312.3,     424.1,     424.1,       0.0);
     ( 461069.2, 3775312.3,     423.5,     423.5,       0.0);         ( 461119.2,
3775312.3,     423.2,     423.2,       0.0);
     ( 461169.2, 3775312.3,     423.0,     423.0,       0.0);         ( 461219.2,
3775312.3,     423.1,     423.1,       0.0);
     ( 461269.2, 3775312.3,     423.2,     423.2,       0.0);         ( 461319.2,
3775312.3,     423.1,     423.1,       0.0);
     ( 461369.2, 3775312.3,     423.1,     423.1,       0.0);         ( 461469.2,
3775312.3,     422.9,     422.9,       0.0);
     ( 461519.2, 3775312.3,     422.6,     422.6,       0.0);         ( 461569.2,
3775312.3,     422.3,     422.3,       0.0);
     ( 461619.2, 3775312.3,     422.6,     422.6,       0.0);         ( 461669.2,
3775312.3,     422.8,     422.8,       0.0);
     ( 461719.2, 3775312.3,     422.6,     422.6,       0.0);         ( 461769.2,
3775312.3,     422.6,     422.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(461819.2, 3775312.3, 422.2, 422.2, 0.0); (461869.2, 3775312.3, 422.3, 422.3, 0.0);
(461919.2, 3775312.3, 422.5, 422.5, 0.0); (461969.2, 3775312.3, 422.1, 422.1, 0.0);
(462019.2, 3775312.3, 421.8, 421.8, 0.0); (462069.2, 3775312.3, 420.9, 420.9, 0.0);
(462119.2, 3775312.3, 421.7, 421.7, 0.0); (462169.2, 3775312.3, 421.6, 421.6, 0.0);
(462219.2, 3775312.3, 420.9, 420.9, 0.0); (462269.2, 3775312.3, 420.7, 420.7, 0.0);
(462319.2, 3775312.3, 420.4, 420.4, 0.0); (462369.2, 3775312.3, 420.1, 420.1, 0.0);
(462419.2, 3775312.3, 419.8, 419.8, 0.0); (462469.2, 3775312.3, 420.0, 420.0, 0.0);
(462519.2, 3775312.3, 419.6, 419.6, 0.0); (462569.2, 3775312.3, 419.8, 419.8, 0.0);
(462619.2, 3775312.3, 419.3, 419.3, 0.0); (462669.2, 3775312.3, 419.4, 419.4, 0.0);
(462719.2, 3775312.3, 418.9, 418.9, 0.0); (462769.2, 3775312.3, 418.4, 418.4, 0.0);
(462819.2, 3775312.3, 418.4, 418.4, 0.0); (462869.2, 3775312.3, 418.0, 418.0, 0.0);
(462919.2, 3775312.3, 417.7, 417.7, 0.0); (462969.2, 3775312.3, 417.7, 417.7, 0.0);
(463019.2, 3775312.3, 417.5, 417.5, 0.0); (461019.2, 3775362.3, 425.3, 425.3, 0.0);
(461069.2, 3775362.3, 424.8, 424.8, 0.0); (461119.2, 3775362.3, 424.8, 424.8, 0.0);
(461169.2, 3775362.3, 424.8, 424.8, 0.0); (461219.2, 3775362.3, 424.4, 424.4, 0.0);
(461269.2, 3775362.3, 424.2, 424.2, 0.0); (461319.2, 3775362.3, 423.5, 423.5, 0.0);
(461369.2, 3775362.3, 424.0, 424.0, 0.0); (461469.2, 3775362.3, 423.8, 423.8, 0.0);
(461519.2, 3775362.3, 423.4, 423.4, 0.0); (461569.2, 3775362.3, 423.2, 423.2, 0.0);
(461619.2, 3775362.3, 423.3, 423.3, 0.0); (461669.2, 3775362.3, 423.4, 423.4, 0.0);
(461719.2, 3775362.3, 423.0, 423.0, 0.0); (461769.2, 3775362.3, 423.5, 423.5, 0.0);
(461819.2, 3775362.3, 423.2, 423.2, 0.0); (461869.2,

3775362.3,   422.8,   422.8,   0.0);
     (461919.2, 3775362.3,   422.6,   422.6,   0.0);   (461969.2,
3775362.3,   422.3,   422.3,   0.0);
     (462019.2, 3775362.3,   422.2,   422.2,   0.0);   (462069.2,
3775362.3,   421.6,   421.6,   0.0);
     (462119.2, 3775362.3,   422.2,   422.2,   0.0);   (462169.2,
3775362.3,   422.4,   422.4,   0.0);
     (462219.2, 3775362.3,   421.9,   421.9,   0.0);   (462269.2,
3775362.3,   421.8,   421.8,   0.0);
     (462319.2, 3775362.3,   421.4,   421.4,   0.0);   (462369.2,
3775362.3,   421.2,   421.2,   0.0);
     (462419.2, 3775362.3,   420.6,   420.6,   0.0);   (462469.2,
3775362.3,   420.7,   420.7,   0.0);
     (462519.2, 3775362.3,   420.6,   420.6,   0.0);   (462569.2,
3775362.3,   420.4,   420.4,   0.0);
     (462619.2, 3775362.3,   420.0,   420.0,   0.0);   (462669.2,
3775362.3,   420.2,   420.2,   0.0);
     (462719.2, 3775362.3,   419.9,   419.9,   0.0);   (462769.2,
3775362.3,   419.3,   419.3,   0.0);
     (462819.2, 3775362.3,   419.6,   419.6,   0.0);   (462869.2,
3775362.3,   419.1,   419.1,   0.0);
     (462919.2, 3775362.3,   419.0,   419.0,   0.0);   (462969.2,
3775362.3,   418.8,   418.8,   0.0);
     (463019.2, 3775362.3,   418.3,   418.3,   0.0);   (461019.2,
3775412.3,   426.3,   426.3,   0.0);
     (461069.2, 3775412.3,   426.0,   426.0,   0.0);   (461119.2,
3775412.3,   425.9,   425.9,   0.0);
     (461169.2, 3775412.3,   425.4,   425.4,   0.0);   (461219.2,
3775412.3,   425.4,   425.4,   0.0);
     (461269.2, 3775412.3,   425.0,   425.0,   0.0);   (461319.2,
3775412.3,   424.0,   424.0,   0.0);
     (461369.2, 3775412.3,   424.7,   424.7,   0.0);   (461469.2,
3775412.3,   424.4,   424.4,   0.0);
     (461519.2, 3775412.3,   423.9,   423.9,   0.0);   (461569.2,
3775412.3,   423.9,   423.9,   0.0);
     (461619.2, 3775412.3,   423.6,   423.6,   0.0);   (461669.2,
3775412.3,   423.8,   423.8,   0.0);
     (461719.2, 3775412.3,   423.8,   423.8,   0.0);   (461769.2,
3775412.3,   424.2,   424.2,   0.0);
     (461819.2, 3775412.3,   424.2,   424.2,   0.0);   (461869.2,
3775412.3,   423.4,   423.4,   0.0);
     (461919.2, 3775412.3,   423.1,   423.1,   0.0);   (461969.2,
3775412.3,   422.7,   422.7,   0.0);
     (462019.2, 3775412.3,   422.6,   422.6,   0.0);   (462069.2,
3775412.3,   422.3,   422.3,   0.0);
     (462119.2, 3775412.3,   422.6,   422.6,   0.0);   (462169.2,
3775412.3,   422.7,   422.7,   0.0);
     (462219.2, 3775412.3,   422.9,   422.9,   0.0);   (462269.2,
3775412.3,   422.7,   422.7,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(462319.2, 3775412.3, 421.9, 421.9, 0.0); (462369.2, 3775412.3, 421.7, 421.7, 0.0);
(462419.2, 3775412.3, 421.5, 421.5, 0.0); (462469.2, 3775412.3, 422.0, 422.0, 0.0);
(462519.2, 3775412.3, 421.9, 421.9, 0.0); (462569.2, 3775412.3, 421.3, 421.3, 0.0);
(462619.2, 3775412.3, 420.9, 420.9, 0.0); (462669.2, 3775412.3, 421.0, 421.0, 0.0);
(462719.2, 3775412.3, 420.6, 420.6, 0.0); (462769.2, 3775412.3, 420.1, 420.1, 0.0);
(462819.2, 3775412.3, 420.3, 420.3, 0.0); (462869.2, 3775412.3, 419.6, 419.6, 0.0);
(462919.2, 3775412.3, 419.4, 419.4, 0.0); (462969.2, 3775412.3, 419.4, 419.4, 0.0);
(463019.2, 3775412.3, 419.0, 419.0, 0.0); (461019.2, 3775462.3, 427.1, 427.1, 0.0);
(461069.2, 3775462.3, 427.0, 427.0, 0.0); (461119.2, 3775462.3, 426.8, 426.8, 0.0);
(461169.2, 3775462.3, 426.4, 426.4, 0.0); (461219.2, 3775462.3, 426.6, 426.6, 0.0);
(461269.2, 3775462.3, 426.2, 426.2, 0.0); (461319.2, 3775462.3, 425.4, 425.4, 0.0);
(461369.2, 3775462.3, 425.9, 425.9, 0.0); (461469.2, 3775462.3, 425.0, 425.0, 0.0);
(461519.2, 3775462.3, 424.4, 424.4, 0.0); (461569.2, 3775462.3, 424.9, 424.9, 0.0);
(461619.2, 3775462.3, 424.2, 424.2, 0.0); (461669.2, 3775462.3, 425.0, 425.0, 0.0);
(461719.2, 3775462.3, 425.3, 425.3, 0.0); (461769.2, 3775462.3, 425.6, 425.6, 0.0);
(461819.2, 3775462.3, 425.3, 425.3, 0.0); (461869.2, 3775462.3, 423.8, 423.8, 0.0);
(461919.2, 3775462.3, 423.6, 423.6, 0.0); (461969.2, 3775462.3, 424.0, 424.0, 0.0);
(462019.2, 3775462.3, 423.9, 423.9, 0.0); (462069.2, 3775462.3, 423.9, 423.9, 0.0);
(462119.2, 3775462.3, 424.0, 424.0, 0.0); (462169.2, 3775462.3, 424.2, 424.2, 0.0);
(462219.2, 3775462.3, 424.0, 424.0, 0.0); (462269.2,

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3775462.3,     424.1,     424.1,       0.0);
     ( 462319.2, 3775462.3,     423.4,     423.4,       0.0);         ( 462369.2,
3775462.3,     423.2,     423.2,       0.0);
     ( 462419.2, 3775462.3,     422.7,     422.7,       0.0);         ( 462469.2,
3775462.3,     422.6,     422.6,       0.0);
     ( 462519.2, 3775462.3,     422.4,     422.4,       0.0);         ( 462569.2,
3775462.3,     422.2,     422.2,       0.0);
     ( 462619.2, 3775462.3,     422.0,     422.0,       0.0);         ( 462669.2,
3775462.3,     422.4,     422.4,       0.0);
     ( 462719.2, 3775462.3,     421.8,     421.8,       0.0);         ( 462769.2,
3775462.3,     421.3,     421.3,       0.0);
     ( 462819.2, 3775462.3,     421.0,     421.0,       0.0);         ( 462869.2,
3775462.3,     420.1,     420.1,       0.0);
     ( 462919.2, 3775462.3,     419.7,     419.7,       0.0);         ( 462969.2,
3775462.3,     419.8,     419.8,       0.0);
     ( 463019.2, 3775462.3,     419.8,     419.8,       0.0);         ( 461019.2,
3775512.3,     428.3,     428.3,       0.0);
     ( 461069.2, 3775512.3,     428.2,     428.2,       0.0);         ( 461119.2,
3775512.3,     427.9,     427.9,       0.0);
     ( 461169.2, 3775512.3,     427.5,     427.5,       0.0);         ( 461219.2,
3775512.3,     427.5,     427.5,       0.0);
     ( 461269.2, 3775512.3,     427.0,     427.0,       0.0);         ( 461319.2,
3775512.3,     426.5,     426.5,       0.0);
     ( 461369.2, 3775512.3,     426.8,     426.8,       0.0);         ( 461469.2,
3775512.3,     425.7,     425.7,       0.0);
     ( 461519.2, 3775512.3,     425.0,     425.0,       0.0);         ( 461569.2,
3775512.3,     425.4,     425.4,       0.0);
     ( 461619.2, 3775512.3,     424.8,     424.8,       0.0);         ( 461669.2,
3775512.3,     425.0,     425.0,       0.0);
     ( 461719.2, 3775512.3,     425.2,     425.2,       0.0);         ( 461769.2,
3775512.3,     426.0,     426.0,       0.0);
     ( 461819.2, 3775512.3,     426.2,     426.2,       0.0);         ( 461869.2,
3775512.3,     424.7,     424.7,       0.0);
     ( 461919.2, 3775512.3,     424.2,     424.2,       0.0);         ( 461969.2,
3775512.3,     424.4,     424.4,       0.0);
     ( 462019.2, 3775512.3,     424.6,     424.6,       0.0);         ( 462069.2,
3775512.3,     424.7,     424.7,       0.0);
     ( 462119.2, 3775512.3,     425.1,     425.1,       0.0);         ( 462169.2,
3775512.3,     425.1,     425.1,       0.0);
     ( 462219.2, 3775512.3,     424.9,     424.9,       0.0);         ( 462269.2,
3775512.3,     424.9,     424.9,       0.0);
     ( 462319.2, 3775512.3,     424.5,     424.5,       0.0);         ( 462369.2,
3775512.3,     424.2,     424.2,       0.0);
     ( 462419.2, 3775512.3,     423.8,     423.8,       0.0);         ( 462469.2,
3775512.3,     423.9,     423.9,       0.0);
     ( 462519.2, 3775512.3,     423.7,     423.7,       0.0);         ( 462569.2,
3775512.3,     423.0,     423.0,       0.0);
     ( 462619.2, 3775512.3,     422.9,     422.9,       0.0);         ( 462669.2,
3775512.3,     423.1,     423.1,       0.0);
     ( 462719.2, 3775512.3,     422.3,     422.3,       0.0);         ( 462769.2,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(462819.2, 3775512.3,   421.9,   421.9,   0.0);   (462869.2, 3775512.3,   420.7,   420.7,   0.0);
(462919.2, 3775512.3,   420.6,   420.6,   0.0);   (462969.2, 3775512.3,   420.7,   420.7,   0.0);
(463019.2, 3775512.3,   420.7,   420.7,   0.0);   (461019.2, 3775562.3,   429.1,   429.1,   0.0);
(461069.2, 3775562.3,   428.8,   428.8,   0.0);   (461119.2, 3775562.3,   428.3,   428.3,   0.0);
(461169.2, 3775562.3,   428.0,   428.0,   0.0);   (461219.2, 3775562.3,   428.3,   428.3,   0.0);
(461269.2, 3775562.3,   428.0,   428.0,   0.0);   (461319.2, 3775562.3,   427.6,   427.6,   0.0);
(461369.2, 3775562.3,   427.3,   427.3,   0.0);   (461469.2, 3775562.3,   427.0,   427.0,   0.0);
(461519.2, 3775562.3,   426.3,   426.3,   0.0);   (461569.2, 3775562.3,   426.0,   426.0,   0.0);
(461619.2, 3775562.3,   425.4,   425.4,   0.0);   (461669.2, 3775562.3,   425.9,   425.9,   0.0);
(461719.2, 3775562.3,   426.2,   426.2,   0.0);   (461769.2, 3775562.3,   427.0,   427.0,   0.0);
(461819.2, 3775562.3,   427.1,   427.1,   0.0);   (461869.2, 3775562.3,   426.1,   426.1,   0.0);
(461919.2, 3775562.3,   425.6,   425.6,   0.0);   (461969.2, 3775562.3,   424.9,   424.9,   0.0);
(462019.2, 3775562.3,   425.0,   425.0,   0.0);   (462069.2, 3775562.3,   425.0,   425.0,   0.0);
(462119.2, 3775562.3,   425.5,   425.5,   0.0);   (462169.2, 3775562.3,   425.4,   425.4,   0.0);
(462219.2, 3775562.3,   425.7,   425.7,   0.0);   (462269.2, 3775562.3,   425.8,   425.8,   0.0);
(462319.2, 3775562.3,   425.4,   425.4,   0.0);   (462369.2, 3775562.3,   425.2,   425.2,   0.0);
(462419.2, 3775562.3,   424.8,   424.8,   0.0);   (462469.2, 3775562.3,   424.7,   424.7,   0.0);
(462519.2, 3775562.3,   424.5,   424.5,   0.0);   (462569.2, 3775562.3,   424.3,   424.3,   0.0);
(462619.2, 3775562.3,   423.8,   423.8,   0.0);   (462669.2,

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3775562.3,     423.6,     423.6,       0.0);
     ( 462719.2, 3775562.3,     423.0,     423.0,       0.0);         ( 462769.2,
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     ( 462819.2, 3775562.3,     422.6,     422.6,       0.0);         ( 462869.2,
3775562.3,     421.7,     421.7,       0.0);
     ( 462919.2, 3775562.3,     422.3,     422.3,       0.0);         ( 462969.2,
3775562.3,     422.4,     422.4,       0.0);
     ( 463019.2, 3775562.3,     421.8,     421.8,       0.0);         ( 461019.2,
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     ( 461069.2, 3775612.3,     429.4,     429.4,       0.0);         ( 461119.2,
3775612.3,     429.2,     429.2,       0.0);
     ( 461169.2, 3775612.3,     428.7,     428.7,       0.0);         ( 461219.2,
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     ( 461269.2, 3775612.3,     429.6,     429.6,       0.0);         ( 461319.2,
3775612.3,     429.4,     429.4,       0.0);
     ( 461369.2, 3775612.3,     428.2,     428.2,       0.0);         ( 461469.2,
3775612.3,     428.7,     428.7,       0.0);
     ( 461519.2, 3775612.3,     428.5,     428.5,       0.0);         ( 461569.2,
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     ( 461619.2, 3775612.3,     427.9,     427.9,       0.0);         ( 461669.2,
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     ( 462019.2, 3775612.3,     425.8,     425.8,       0.0);         ( 462069.2,
3775612.3,     425.3,     425.3,       0.0);
     ( 462119.2, 3775612.3,     425.9,     425.9,       0.0);         ( 462169.2,
3775612.3,     425.8,     425.8,       0.0);
     ( 462219.2, 3775612.3,     426.4,     426.4,       0.0);         ( 462269.2,
3775612.3,     426.5,     426.5,       0.0);
     ( 462319.2, 3775612.3,     426.2,     426.2,       0.0);         ( 462369.2,
3775612.3,     426.0,     426.0,       0.0);
     ( 462419.2, 3775612.3,     425.5,     425.5,       0.0);         ( 462469.2,
3775612.3,     425.2,     425.2,       0.0);
     ( 462519.2, 3775612.3,     424.9,     424.9,       0.0);         ( 462569.2,
3775612.3,     424.6,     424.6,       0.0);
     ( 462619.2, 3775612.3,     424.4,     424.4,       0.0);         ( 462669.2,
3775612.3,     424.2,     424.2,       0.0);
     ( 462719.2, 3775612.3,     423.6,     423.6,       0.0);         ( 462769.2,
3775612.3,     423.5,     423.5,       0.0);
     ( 462819.2, 3775612.3,     423.1,     423.1,       0.0);         ( 462869.2,
3775612.3,     422.6,     422.6,       0.0);
     ( 462919.2, 3775612.3,     422.9,     422.9,       0.0);         ( 462969.2,
3775612.3,     423.2,     423.2,       0.0);
     ( 463019.2, 3775612.3,     422.9,     422.9,       0.0);         ( 461019.2,
3775662.3,     430.9,     430.9,       0.0);
     ( 461069.2, 3775662.3,     430.4,     430.4,       0.0);         ( 461119.2,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(461269.2, 3775662.3, 430.2, 430.2, 0.0); (461319.2,
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(461369.2, 3775662.3, 429.7, 429.7, 0.0); (461469.2,
3775662.3, 429.6, 429.6, 0.0);
(461519.2, 3775662.3, 429.6, 429.6, 0.0); (461569.2,
3775662.3, 429.2, 429.2, 0.0);
(461619.2, 3775662.3, 429.2, 429.2, 0.0); (461669.2,
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(461719.2, 3775662.3, 429.1, 429.1, 0.0); (461769.2,
3775662.3, 429.0, 429.0, 0.0);
(461819.2, 3775662.3, 428.9, 428.9, 0.0); (461869.2,
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(461919.2, 3775662.3, 428.4, 428.4, 0.0); (461969.2,
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(462019.2, 3775662.3, 427.7, 427.7, 0.0); (462069.2,
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(462119.2, 3775662.3, 427.4, 427.4, 0.0); (462169.2,
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(462219.2, 3775662.3, 427.2, 427.2, 0.0); (462269.2,
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(462319.2, 3775662.3, 427.0, 427.0, 0.0); (462369.2,
3775662.3, 426.8, 426.8, 0.0);
(462419.2, 3775662.3, 426.6, 426.6, 0.0); (462469.2,
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(462519.2, 3775662.3, 426.1, 426.1, 0.0); (462569.2,
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(462619.2, 3775662.3, 425.6, 425.6, 0.0); (462669.2,
3775662.3, 425.3, 425.3, 0.0);
(462719.2, 3775662.3, 424.9, 424.9, 0.0); (462769.2,
3775662.3, 424.7, 424.7, 0.0);
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3775662.3, 424.1, 424.1, 0.0);
(462919.2, 3775662.3, 424.0, 424.0, 0.0); (462969.2,
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(463019.2, 3775662.3, 423.5, 423.5, 0.0); (461369.2,

3775912.3,   434.9,   434.9,   0.0);
     (461146.6, 3775743.5,   431.5,   431.5,   0.0);   (464042.4,
3776049.7,   423.4,   423.4,   0.0);
     (463968.1, 3776150.1,   425.5,   425.5,   0.0);   (463914.6,
3776284.5,   428.8,   428.8,   0.0);
     (464138.7, 3776345.3,   412.2,   426.9,   0.0);   (464188.7,
3776345.3,   419.1,   425.9,   0.0);
     (464238.7, 3776345.3,   425.2,   425.2,   0.0);   (464288.7,
3776345.3,   425.2,   425.2,   0.0);
     (464338.7, 3776345.3,   425.4,   425.4,   0.0);   (464388.7,
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     (464438.7, 3776345.3,   424.9,   424.9,   0.0);   (464488.7,
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     (464338.7, 3776395.3,   426.7,   426.7,   0.0);   (464388.7,
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     (464538.7, 3776395.3,   425.5,   425.5,   0.0);   (464588.7,
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     (464138.7, 3776445.3,   413.0,   430.4,   0.0);   (464188.7,
3776445.3,   421.4,   427.5,   0.0);
     (464238.7, 3776445.3,   427.1,   427.1,   0.0);   (464288.7,
3776445.3,   427.1,   427.1,   0.0);
     (464338.7, 3776445.3,   427.6,   427.6,   0.0);   (464388.7,
3776445.3,   427.5,   427.5,   0.0);
     (464438.7, 3776445.3,   427.3,   427.3,   0.0);   (464488.7,
3776445.3,   426.3,   426.3,   0.0);
     (464538.7, 3776445.3,   426.9,   426.9,   0.0);   (464588.7,
3776445.3,   426.9,   426.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                          (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: FONT_V9_ADJU\FONT_v9.SFC
Met Version: 16216
Profile file: FONT_V9_ADJU\FONT_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

First 24 hours of scalar data
YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN

```
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - -
```

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1.00    0.90   52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5   99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                  L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                  L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                  L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         463437.12    3775314.91       0.00090                       463487.12
3775314.91        0.00095
         463537.12    3775314.91       0.00100                       463587.12
3775314.91        0.00105
         463637.12    3775314.91       0.00111                       463687.12
3775314.91        0.00117
         463737.12    3775314.91       0.00121                       463787.12
3775314.91        0.00126
         463837.12    3775314.91       0.00129                       463887.12
3775314.91        0.00132
         463937.12    3775314.91       0.00132                       463987.12
3775314.91        0.00131
```

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         464037.12    3775314.91        0.00129                    464087.12
3775314.91        0.00126
         464137.12    3775314.91        0.00121                    464187.12
3775314.91        0.00115
         464237.12    3775314.91        0.00108                    464287.12
3775314.91        0.00101
         464337.12    3775314.91        0.00094                    463437.12
3775364.91        0.00098
         463487.12    3775364.91        0.00104                    463537.12
3775364.91        0.00111
         463587.12    3775364.91        0.00118                    463637.12
3775364.91        0.00125
         463687.12    3775364.91        0.00132                    463737.12
3775364.91        0.00139
         463787.12    3775364.91        0.00146                    463837.12
3775364.91        0.00151
         463887.12    3775364.91        0.00154                    463937.12
3775364.91        0.00156
         463987.12    3775364.91        0.00155                    464037.12
3775364.91        0.00153
         464087.12    3775364.91        0.00148                    464137.12
3775364.91        0.00141
         464187.12    3775364.91        0.00133                    464237.12
3775364.91        0.00125
         464287.12    3775364.91        0.00115                    464337.12
3775364.91        0.00106
         463437.12    3775414.91        0.00109                    463487.12
3775414.91        0.00115
         463537.12    3775414.91        0.00123                    463587.12
3775414.91        0.00132
         463637.12    3775414.91        0.00142                    463687.12
3775414.91        0.00152
         463737.12    3775414.91        0.00162                    463787.12
3775414.91        0.00171
         463837.12    3775414.91        0.00179                    463887.12
3775414.91        0.00185
         463937.12    3775414.91        0.00188                    463987.12
3775414.91        0.00187
         464037.12    3775414.91        0.00184                    464087.12
3775414.91        0.00178
         464137.12    3775414.91        0.00168                    464187.12
3775414.91        0.00157
         464237.12    3775414.91        0.00145                    464287.12
3775414.91        0.00132
         463437.12    3775464.91        0.00121                    463487.12
3775464.91        0.00129
         463537.12    3775464.91        0.00139                    463587.12
3775464.91        0.00150
         463637.12    3775464.91        0.00162                    463687.12
3775464.91        0.00176
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         463737.12    3775464.91        0.00190                       463787.12
3775464.91        0.00204
         463837.12    3775464.91        0.00217                       463887.12
3775464.91        0.00227
         463937.12    3775464.91        0.00232                       463987.12
3775464.91        0.00232
         464037.12    3775464.91        0.00228                       464087.12
3775464.91        0.00219
         464137.12    3775464.91        0.00206                       464187.12
3775464.91        0.00189
         464237.12    3775464.91        0.00172                       464287.12
3775464.91        0.00153
         463437.12    3775514.91        0.00138                       463487.12
3775514.91        0.00147
         463537.12    3775514.91        0.00159                       463587.12
3775514.91        0.00173
         463637.12    3775514.91        0.00189                       463687.12
3775514.91        0.00208
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                   PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                  L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                  L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                  L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         463737.12    3775514.91        0.00228                       463787.12
3775514.91        0.00250
         463837.12    3775514.91        0.00271                       463887.12
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3775514.91 0.00288
463937.12 3775514.91 0.00298 463987.12
3775514.91 0.00300
464037.12 3775514.91 0.00293 464087.12
3775514.91 0.00280
464137.12 3775514.91 0.00259 464187.12
3775514.91 0.00234
464237.12 3775514.91 0.00208 463437.12
3775564.91 0.00163
463487.12 3775564.91 0.00174 463537.12
3775564.91 0.00188
463587.12 3775564.91 0.00205 463637.12
3775564.91 0.00226
463687.12 3775564.91 0.00252 463737.12
3775564.91 0.00282
463787.12 3775564.91 0.00316 463837.12
3775564.91 0.00353
463887.12 3775564.91 0.00384 463937.12
3775564.91 0.00404
463987.12 3775564.91 0.00409 464037.12
3775564.91 0.00399
464087.12 3775564.91 0.00376 464137.12
3775564.91 0.00343
464187.12 3775564.91 0.00301 464237.12
3775564.91 0.00257
463437.12 3775614.91 0.00213 463487.12
3775614.91 0.00226
463537.12 3775614.91 0.00244 463587.12
3775614.91 0.00265
463637.12 3775614.91 0.00291 463687.12
3775614.91 0.00325
463737.12 3775614.91 0.00369 463787.12
3775614.91 0.00428
463837.12 3775614.91 0.00501 463887.12
3775614.91 0.00566
463937.12 3775614.91 0.00605 463987.12
3775614.91 0.00613
464037.12 3775614.91 0.00589 464087.12
3775614.91 0.00547
464137.12 3775614.91 0.00490 464187.12
3775614.91 0.00416
464237.12 3775614.91 0.00335 463437.12
3775664.91 0.00457
463487.12 3775664.91 0.00474 463537.12
3775664.91 0.00498
463587.12 3775664.91 0.00525 463637.12
3775664.91 0.00557
463687.12 3775664.91 0.00602 463737.12
3775664.91 0.00670
463787.12 3775664.91 0.00778 463837.12

3775664.91   0.00962
         463887.12   3775664.91   0.01145   463937.12
3775664.91   0.01241
         463987.12   3775664.91   0.01267   464037.12
3775664.91   0.01149
         464087.12   3775664.91   0.00951   464137.12
3775664.91   0.00839
         464187.12   3775664.91   0.00690   464237.12
3775664.91   0.00489
         464537.12   3775764.91   0.00148   464587.12
3775764.91   0.00126
         464487.12   3775814.91   0.00189   464537.12
3775814.91   0.00157
         464587.12   3775814.91   0.00134   464437.12
3775864.91   0.00242
         464487.12   3775864.91   0.00197   464537.12
3775864.91   0.00164
         464587.12   3775864.91   0.00139   464437.12
3775914.91   0.00243
         464487.12   3775914.91   0.00199   464537.12
3775914.91   0.00167
         464587.12   3775914.91   0.00143   464437.12
3775964.91   0.00236
         464487.12   3775964.91   0.00197   464537.12
3775964.91   0.00167
         464587.12   3775964.91   0.00143   464437.12
3776014.91   0.00223

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0039534   , L0039535 , L0039536   , L0039537   , L0039538   ,
                 L0039539   , L0039540   , L0039541   , L0039542   , L0039543 , L0039544   , L0039545   , L0039546   ,
                 L0039547   , L0039548   , L0039549   , L0039550   , L0039551 , L0039552   , L0039553   , L0039554   ,
                 L0039555   , L0039556   , L0039557   , L0039558   , L0039559 , L0039560   , L0039561   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464487.12	3776014.91	0.00189	464537.12	3776014.91	0.00162
464587.12	3776014.91	0.00141	464437.12	3776064.91	0.00205
464487.12	3776064.91	0.00178	464537.12	3776064.91	0.00155
464587.12	3776064.91	0.00136	464437.12	3776114.91	0.00186
464487.12	3776114.91	0.00164	464537.12	3776114.91	0.00146
464587.12	3776114.91	0.00130	464437.12	3776164.91	0.00167
464487.12	3776164.91	0.00150	464537.12	3776164.91	0.00135
464587.12	3776164.91	0.00122	464437.12	3776214.91	0.00149
464487.12	3776214.91	0.00136	464537.12	3776214.91	0.00124
464587.12	3776214.91	0.00113	464437.12	3776264.91	0.00132
464487.12	3776264.91	0.00122	464537.12	3776264.91	0.00113
464587.12	3776264.91	0.00104	464237.12	3776314.91	0.00145
464287.12	3776314.91	0.00139	464337.12	3776314.91	0.00132
464387.12	3776314.91	0.00124	464437.12	3776314.91	0.00117
464487.12	3776314.91	0.00110	464537.12	3776314.91	0.00103
464587.12	3776314.91	0.00096	463056.48	3775313.51	0.00064
463106.48	3775313.51	0.00066	463156.48	3775313.51	0.00069
463206.48	3775313.51	0.00072	463256.48	3775313.51	0.00075
463306.48	3775313.51	0.00079	463356.48	3775313.51	0.00082
463406.48	3775313.51	0.00087	463056.48	3775363.51	0.00069
463106.48	3775363.51	0.00072	463156.48	3775363.51	0.00075
463206.48	3775363.51	0.00078	463256.48	3775363.51	0.00081

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         463306.48    3775363.51        0.00085                        463356.48
3775363.51        0.00090
         463406.48    3775363.51        0.00095                        463056.48
3775413.51        0.00076
         463106.48    3775413.51        0.00078                        463156.48
3775413.51        0.00082
         463206.48    3775413.51        0.00085                        463256.48
3775413.51        0.00089
         463306.48    3775413.51        0.00094                        463356.48
3775413.51        0.00099
         463406.48    3775413.51        0.00104                        463056.48
3775463.51        0.00085
         463106.48    3775463.51        0.00087                        463156.48
3775463.51        0.00091
         463206.48    3775463.51        0.00095                        463256.48
3775463.51        0.00099
         463306.48    3775463.51        0.00104                        463356.48
3775463.51        0.00110
         463406.48    3775463.51        0.00116                        463056.48
3775513.51        0.00097
         463106.48    3775513.51        0.00100                        463156.48
3775513.51        0.00103
         463206.48    3775513.51        0.00108                        463256.48
3775513.51        0.00112
         463306.48    3775513.51        0.00118                        463356.48
3775513.51        0.00124
         463406.48    3775513.51        0.00132                        463056.48
3775563.51        0.00117
         463106.48    3775563.51        0.00120                        463156.48
3775563.51        0.00124
         463206.48    3775563.51        0.00129                        463256.48
3775563.51        0.00134
         463306.48    3775563.51        0.00140                        463356.48
3775563.51        0.00147
         463406.48    3775563.51        0.00156                        463056.48
3775613.51        0.00162
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                   PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                 L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
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                L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         463106.48    3775613.51        0.00164                       463156.48
3775613.51        0.00168
         463206.48    3775613.51        0.00174                       463256.48
3775613.51        0.00179
         463306.48    3775613.51        0.00186                       463356.48
3775613.51        0.00193
         463406.48    3775613.51        0.00204                       463056.48
3775663.51        0.00371
         463106.48    3775663.51        0.00372                       463156.48
3775663.51        0.00378
         463206.48    3775663.51        0.00384                       463256.48
3775663.51        0.00390
         463306.48    3775663.51        0.00399                       463356.48
3775663.51        0.00410
         463406.48    3775663.51        0.00427                       461019.19
3775312.34        0.00023
         461069.19    3775312.34        0.00024                       461119.19
3775312.34        0.00025
         461169.19    3775312.34        0.00027                       461219.19
3775312.34        0.00028
         461269.19    3775312.34        0.00029                       461319.19
3775312.34        0.00031
         461369.19    3775312.34        0.00032                       461469.19
3775312.34        0.00035
         461519.19    3775312.34        0.00036                       461569.19
3775312.34        0.00037
         461619.19    3775312.34        0.00038                       461669.19
3775312.34        0.00039
         461719.19    3775312.34        0.00039                       461769.19
3775312.34        0.00040
         461819.19    3775312.34        0.00041                       461869.19
3775312.34        0.00041
         461919.19    3775312.34        0.00042                       461969.19
3775312.34        0.00042
         462019.19    3775312.34        0.00043                       462069.19
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3775312.34        0.00043
         462119.19    3775312.34        0.00044                       462169.19
3775312.34        0.00044
         462219.19    3775312.34        0.00045                       462269.19
3775312.34        0.00046
         462319.19    3775312.34        0.00046                       462369.19
3775312.34        0.00047
         462419.19    3775312.34        0.00048                       462469.19
3775312.34        0.00048
         462519.19    3775312.34        0.00049                       462569.19
3775312.34        0.00050
         462619.19    3775312.34        0.00051                       462669.19
3775312.34        0.00052
         462719.19    3775312.34        0.00053                       462769.19
3775312.34        0.00054
         462819.19    3775312.34        0.00056                       462869.19
3775312.34        0.00057
         462919.19    3775312.34        0.00059                       462969.19
3775312.34        0.00060
         463019.19    3775312.34        0.00062                       461019.19
3775362.34        0.00023
         461069.19    3775362.34        0.00025                       461119.19
3775362.34        0.00026
         461169.19    3775362.34        0.00028                       461219.19
3775362.34        0.00030
         461269.19    3775362.34        0.00032                       461319.19
3775362.34        0.00033
         461369.19    3775362.34        0.00035                       461469.19
3775362.34        0.00038
         461519.19    3775362.34        0.00040                       461569.19
3775362.34        0.00041
         461619.19    3775362.34        0.00042                       461669.19
3775362.34        0.00043
         461719.19    3775362.34        0.00043                       461769.19
3775362.34        0.00044
         461819.19    3775362.34        0.00045                       461869.19
3775362.34        0.00045
         461919.19    3775362.34        0.00046                       461969.19
3775362.34        0.00046
         462019.19    3775362.34        0.00047                       462069.19
3775362.34        0.00047
         462119.19    3775362.34        0.00048                       462169.19
3775362.34        0.00049
         462219.19    3775362.34        0.00049                       462269.19
3775362.34        0.00050
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 , L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 , L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 , L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775362.34	0.00050	462369.19	3775362.34	0.00051
462419.19	3775362.34	0.00052	462469.19	3775362.34	0.00053
462519.19	3775362.34	0.00054	462569.19	3775362.34	0.00054
462619.19	3775362.34	0.00055	462669.19	3775362.34	0.00057
462719.19	3775362.34	0.00058	462769.19	3775362.34	0.00059
462819.19	3775362.34	0.00060	462869.19	3775362.34	0.00062
462919.19	3775362.34	0.00064	462969.19	3775362.34	0.00066
463019.19	3775362.34	0.00068	461019.19	3775412.34	0.00024
461069.19	3775412.34	0.00026	461119.19	3775412.34	0.00028
461169.19	3775412.34	0.00030	461219.19	3775412.34	0.00032
461269.19	3775412.34	0.00034	461319.19	3775412.34	0.00037
461369.19	3775412.34	0.00039	461469.19	3775412.34	0.00043
461519.19	3775412.34	0.00045	461569.19	3775412.34	0.00046

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         461619.19    3775412.34        0.00047                    461669.19
3775412.34        0.00048
         461719.19    3775412.34        0.00049                    461769.19
3775412.34        0.00050
         461819.19    3775412.34        0.00050                    461869.19
3775412.34        0.00051
         461919.19    3775412.34        0.00051                    461969.19
3775412.34        0.00052
         462019.19    3775412.34        0.00052                    462069.19
3775412.34        0.00053
         462119.19    3775412.34        0.00054                    462169.19
3775412.34        0.00054
         462219.19    3775412.34        0.00055                    462269.19
3775412.34        0.00055
         462319.19    3775412.34        0.00056                    462369.19
3775412.34        0.00057
         462419.19    3775412.34        0.00057                    462469.19
3775412.34        0.00058
         462519.19    3775412.34        0.00059                    462569.19
3775412.34        0.00060
         462619.19    3775412.34        0.00061                    462669.19
3775412.34        0.00062
         462719.19    3775412.34        0.00063                    462769.19
3775412.34        0.00065
         462819.19    3775412.34        0.00066                    462869.19
3775412.34        0.00068
         462919.19    3775412.34        0.00070                    462969.19
3775412.34        0.00072
         463019.19    3775412.34        0.00074                    461019.19
3775462.34        0.00025
         461069.19    3775462.34        0.00027                    461119.19
3775462.34        0.00029
         461169.19    3775462.34        0.00032                    461219.19
3775462.34        0.00034
         461269.19    3775462.34        0.00037                    461319.19
3775462.34        0.00041
         461369.19    3775462.34        0.00044                    461469.19
3775462.34        0.00049
         461519.19    3775462.34        0.00052                    461569.19
3775462.34        0.00053
         461619.19    3775462.34        0.00054                    461669.19
3775462.34        0.00055
         461719.19    3775462.34        0.00056                    461769.19
3775462.34        0.00057
         461819.19    3775462.34        0.00058                    461869.19
3775462.34        0.00058
         461919.19    3775462.34        0.00059                    461969.19
3775462.34        0.00059
         462019.19    3775462.34        0.00060                    462069.19
3775462.34        0.00060
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 ,
L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 ,
L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 ,
L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462319.19	3775462.34	0.00064	462369.19	3775462.34	0.00064
462419.19	3775462.34	0.00065	462469.19	3775462.34	0.00066
462519.19	3775462.34	0.00067	462569.19	3775462.34	0.00068
462619.19	3775462.34	0.00069	462669.19	3775462.34	0.00070
462719.19	3775462.34	0.00071	462769.19	3775462.34	0.00073
462819.19	3775462.34	0.00074	462869.19	3775462.34	0.00076
462919.19	3775462.34	0.00078	462969.19	3775462.34	0.00080
463019.19	3775462.34	0.00082	461019.19	3775512.34	0.00026
461069.19	3775512.34	0.00028	461119.19		

3775512.34 0.00031
461169.19 3775512.34 0.00034 461219.19
3775512.34 0.00037
461269.19 3775512.34 0.00041 461319.19
3775512.34 0.00046
461369.19 3775512.34 0.00051 461469.19
3775512.34 0.00059
461519.19 3775512.34 0.00062 461569.19
3775512.34 0.00064
461619.19 3775512.34 0.00065 461669.19
3775512.34 0.00066
461719.19 3775512.34 0.00067 461769.19
3775512.34 0.00068
461819.19 3775512.34 0.00069 461869.19
3775512.34 0.00069
461919.19 3775512.34 0.00070 461969.19
3775512.34 0.00070
462019.19 3775512.34 0.00071 462069.19
3775512.34 0.00071
462119.19 3775512.34 0.00072 462169.19
3775512.34 0.00072
462219.19 3775512.34 0.00073 462269.19
3775512.34 0.00074
462319.19 3775512.34 0.00074 462369.19
3775512.34 0.00075
462419.19 3775512.34 0.00076 462469.19
3775512.34 0.00077
462519.19 3775512.34 0.00078 462569.19
3775512.34 0.00079
462619.19 3775512.34 0.00080 462669.19
3775512.34 0.00082
462719.19 3775512.34 0.00083 462769.19
3775512.34 0.00084
462819.19 3775512.34 0.00086 462869.19
3775512.34 0.00087
462919.19 3775512.34 0.00089 462969.19
3775512.34 0.00092
463019.19 3775512.34 0.00094 461019.19
3775562.34 0.00027
461069.19 3775562.34 0.00030 461119.19
3775562.34 0.00033
461169.19 3775562.34 0.00036 461219.19
3775562.34 0.00041
461269.19 3775562.34 0.00046 461319.19
3775562.34 0.00053
461369.19 3775562.34 0.00062 461469.19
3775562.34 0.00076
461519.19 3775562.34 0.00080 461569.19
3775562.34 0.00082
461619.19 3775562.34 0.00083 461669.19

3775562.34   0.00085
         461719.19   3775562.34   0.00085   461769.19
3775562.34   0.00086
         461819.19   3775562.34   0.00087   461869.19
3775562.34   0.00087
         461919.19   3775562.34   0.00088   461969.19
3775562.34   0.00088
         462019.19   3775562.34   0.00089   462069.19
3775562.34   0.00090
         462119.19   3775562.34   0.00090   462169.19
3775562.34   0.00091
         462219.19   3775562.34   0.00092   462269.19
3775562.34   0.00092

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0039534   , L0039535 , L0039536   , L0039537   , L0039538   ,
                                    L0039539   , L0039540   , L0039541   , L0039542   , L0039543 , L0039544   , L0039545   , L0039546   ,
                                    L0039547   , L0039548   , L0039549   , L0039550   , L0039551 , L0039552   , L0039553   , L0039554   ,
                                    L0039555   , L0039556   , L0039557   , L0039558   , L0039559 , L0039560   , L0039561   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

462719.19 3775562.34 0.00102 462769.19 3775562.34 0.00104
462819.19 3775562.34 0.00105 462869.19 3775562.34 0.00107
462919.19 3775562.34 0.00109 462969.19 3775562.34 0.00112
463019.19 3775562.34 0.00115 461019.19 3775612.34 0.00028
461069.19 3775612.34 0.00031 461119.19 3775612.34 0.00034
461169.19 3775612.34 0.00039 461219.19 3775612.34 0.00044
461269.19 3775612.34 0.00052 461319.19 3775612.34 0.00064
461369.19 3775612.34 0.00081 461469.19 3775612.34 0.00115
461519.19 3775612.34 0.00120 461569.19 3775612.34 0.00121
461619.19 3775612.34 0.00123 461669.19 3775612.34 0.00124
461719.19 3775612.34 0.00125 461769.19 3775612.34 0.00126
461819.19 3775612.34 0.00127 461869.19 3775612.34 0.00127
461919.19 3775612.34 0.00127 461969.19 3775612.34 0.00127
462019.19 3775612.34 0.00128 462069.19 3775612.34 0.00128
462119.19 3775612.34 0.00130 462169.19 3775612.34 0.00130
462219.19 3775612.34 0.00132 462269.19 3775612.34 0.00133
462319.19 3775612.34 0.00134 462369.19 3775612.34 0.00135
462419.19 3775612.34 0.00136 462469.19 3775612.34 0.00137
462519.19 3775612.34 0.00139 462569.19 3775612.34 0.00140
462619.19 3775612.34 0.00141 462669.19 3775612.34 0.00143
462719.19 3775612.34 0.00144 462769.19 3775612.34 0.00145
462819.19 3775612.34 0.00147 462869.19 3775612.34 0.00149
462919.19 3775612.34 0.00152 462969.19 3775612.34 0.00155
463019.19 3775612.34 0.00158 461019.19 3775662.34 0.00029
461069.19 3775662.34 0.00032 461119.19 3775662.34 0.00036

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 ,
L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 ,
L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 ,
L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

- -

462319.19	3775662.34	0.00316	462369.19	3775662.34	0.00320
462419.19	3775662.34	0.00324	462469.19	3775662.34	0.00328
462519.19	3775662.34	0.00333	462569.19	3775662.34	0.00336
462619.19	3775662.34	0.00338	462669.19	3775662.34	0.00338
462719.19	3775662.34	0.00338	462769.19	3775662.34	0.00339
462819.19	3775662.34	0.00339	462869.19	3775662.34	0.00340
462919.19	3775662.34	0.00345	462969.19	3775662.34	0.00350
463019.19	3775662.34	0.00354	461369.19	3775912.34	0.00192
461146.60	3775743.55	0.00042	464042.43	3776049.67	0.00856
463968.06	3776150.13	0.00434	463914.57	3776284.52	0.00163
464138.68	3776345.34	0.00144	464188.68	3776345.34	0.00142
464238.68	3776345.34	0.00131	464288.68	3776345.34	0.00125
464338.68	3776345.34	0.00119	464388.68	3776345.34	0.00114
464438.68	3776345.34	0.00109	464488.68	3776345.34	0.00103
464538.68	3776345.34	0.00098	464588.68	3776345.34	0.00092
464138.68	3776395.34	0.00123	464188.68	3776395.34	0.00122
464238.68	3776395.34	0.00110	464288.68	3776395.34	0.00107
464338.68	3776395.34	0.00103	464388.68	3776395.34	0.00100
464438.68	3776395.34	0.00097	464488.68	3776395.34	0.00093
464538.68	3776395.34	0.00090	464588.68	3776395.34	0.00086
464138.68	3776445.34	0.00107	464188.68	3776445.34	0.00106
464238.68	3776445.34	0.00094	464288.68	3776445.34	0.00092
464338.68	3776445.34	0.00090	464388.68	3776445.34	0.00088
464438.68	3776445.34	0.00087	464488.68	3776445.34	0.00084
464538.68	3776445.34	0.00083	464588.68		

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0039534   , L0039535 , L0039536   , L0039537   , L0039538   ,
                 L0039539   , L0039540   , L0039541   , L0039542   , L0039543 , L0039544   , L0039545   , L0039546   ,
                 L0039547   , L0039548   , L0039549   , L0039550   , L0039551 , L0039552   , L0039553   , L0039554   ,
                 L0039555   , L0039556   , L0039557   , L0039558   , L0039559 , L0039560   , L0039561   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        463487.12   3775364.91        0.00415  (11092608)              463537.12
3775364.91        0.00399  (16020919)
        463587.12   3775364.91        0.00423  (16020919)              463637.12
3775364.91        0.00443  (16020918)
        463687.12   3775364.91        0.00599  (16012717)              463737.12
3775364.91        0.00781  (16012717)
        463787.12   3775364.91        0.00919  (16012717)              463837.12
3775364.91        0.00981  (16012717)
        463887.12   3775364.91        0.00960  (16012717)              463937.12
3775364.91        0.00880  (16012717)
        463987.12   3775364.91        0.00760  (16012717)              464037.12
3775364.91        0.00655  (13041207)
        464087.12   3775364.91        0.00782  (13041207)              464137.12
3775364.91        0.00844  (13041207)
        464187.12   3775364.91        0.00848  (13041207)              464237.12
3775364.91        0.00795  (13041207)
        464287.12   3775364.91        0.00681  (13041207)              464337.12
3775364.91        0.00517  (13041207)
        463437.12   3775414.91        0.00482  (11092608)              463487.12
3775414.91        0.00503  (11092608)
        463537.12   3775414.91        0.00508  (11092608)              463587.12
3775414.91        0.00493  (11092608)
        463637.12   3775414.91        0.00490  (16020919)              463687.12
3775414.91        0.00609  (16012717)
        463737.12   3775414.91        0.00835  (16012717)              463787.12
3775414.91        0.01028  (16012717)
        463837.12   3775414.91        0.01130  (16012717)              463887.12
3775414.91        0.01127  (16012717)
        463937.12   3775414.91        0.01050  (16012717)              463987.12
3775414.91        0.00924  (16012717)
        464037.12   3775414.91        0.00832  (13041207)              464087.12
3775414.91        0.00953  (13041207)
        464137.12   3775414.91        0.00995  (13041207)              464187.12
3775414.91        0.00974  (13041207)
        464237.12   3775414.91        0.00890  (13041207)              464287.12
3775414.91        0.00731  (13041207)
        463437.12   3775464.91        0.00528  (11092608)              463487.12
3775464.91        0.00577  (11092608)
        463537.12   3775464.91        0.00616  (11092608)              463587.12
3775464.91        0.00637  (11092608)
        463637.12   3775464.91        0.00631  (11092608)              463687.12
3775464.91        0.00613  (16012717)
        463737.12   3775464.91        0.00888  (16012717)              463787.12
3775464.91        0.01155  (16012717)
        463837.12   3775464.91        0.01317  (16012717)              463887.12
3775464.91        0.01340  (16012717)
        463937.12   3775464.91        0.01268  (16012717)              463987.12
3775464.91        0.01135  (16012717)
        464037.12   3775464.91        0.01066  (13041207)              464087.12
3775464.91        0.01166  (13041207)
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        464137.12   3775464.91        0.01177  (13041207)                464187.12
3775464.91        0.01129  (13041207)
        464237.12   3775464.91        0.01004  (13041207)                464287.12
3775464.91        0.00779  (13041207)
        463437.12   3775514.91        0.00558  (11092608)                463487.12
3775514.91        0.00631  (11092608)
        463537.12   3775514.91        0.00705  (11092608)                463587.12
3775514.91        0.00773  (11092608)
        463637.12   3775514.91        0.00823  (11092608)                463687.12
3775514.91        0.00835  (11092608)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                   PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                  L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                  L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                  L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        463737.12   3775514.91        0.00938  (16012717)                463787.12
3775514.91        0.01305  (16012717)
        463837.12   3775514.91        0.01565  (16012717)                463887.12
3775514.91        0.01629  (16012717)
        463937.12   3775514.91        0.01567  (16012717)                463987.12
3775514.91        0.01421  (16012717)
        464037.12   3775514.91        0.01378  (13041207)                464087.12
3775514.91        0.01435  (13041207)
        464137.12   3775514.91        0.01409  (13041207)                464187.12
3775514.91        0.01330  (13041207)
        464237.12   3775514.91        0.01146  (13041207)                463437.12
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3775564.91        0.00587  (11092608)
        463487.12   3775564.91        0.00678  (11092608)                463537.12
3775564.91        0.00779  (11092608)
        463587.12   3775564.91        0.00890  (11092608)                463637.12
3775564.91        0.01006  (11092608)
        463687.12   3775564.91        0.01108  (11092608)                463737.12
3775564.91        0.01160  (11092608)
        463787.12   3775564.91        0.01489  (16012717)                463837.12
3775564.91        0.01920  (16012717)
        463887.12   3775564.91        0.02047  (16012717)                463937.12
3775564.91        0.02011  (16012717)
        463987.12   3775564.91        0.01845  (16012717)                464037.12
3775564.91        0.01822  (13041207)
        464087.12   3775564.91        0.01795  (13041207)                464137.12
3775564.91        0.01733  (13041207)
        464187.12   3775564.91        0.01611  (13041207)                464237.12
3775564.91        0.01324  (13041207)
        463437.12   3775614.91        0.00673  (11092608)                463487.12
3775614.91        0.00772  (11092608)
        463537.12   3775614.91        0.00889  (11092608)                463587.12
3775614.91        0.01027  (11092608)
        463637.12   3775614.91        0.01196  (11092608)                463687.12
3775614.91        0.01396  (11092608)
        463737.12   3775614.91        0.01613  (11092608)                463787.12
3775614.91        0.01763  (11092608)
        463837.12   3775614.91        0.02515  (16012717)                463887.12
3775614.91        0.02747  (16012717)
        463937.12   3775614.91        0.02776  (16012717)                463987.12
3775614.91        0.02580  (16012717)
        464037.12   3775614.91        0.02521  (13041207)                464087.12
3775614.91        0.02321  (13041207)
        464137.12   3775614.91        0.02264  (13041207)                464187.12
3775614.91        0.02056  (13041207)
        464237.12   3775614.91        0.01574  (13041207)                463437.12
3775664.91        0.01254  (13071606)
        463487.12   3775664.91        0.01314  (11092608)                463537.12
3775664.91        0.01454  (11092608)
        463587.12   3775664.91        0.01610  (11092608)                463637.12
3775664.91        0.01801  (11092608)
        463687.12   3775664.91        0.02051  (11092608)                463737.12
3775664.91        0.02416  (11092608)
        463787.12   3775664.91        0.02974  (11092608)                463837.12
3775664.91        0.03733  (16012717)
        463887.12   3775664.91        0.04356  (16012717)                463937.12
3775664.91        0.04512  (16012717)
        463987.12   3775664.91        0.04301  (16012717)                464037.12
3775664.91        0.03987  (13041207)
        464087.12   3775664.91        0.03434  (13041207)                464137.12
3775664.91        0.03354  (13041207)
        464187.12   3775664.91        0.02986  (13041207)                464237.12
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3775664.91        0.01936  (13041207)
        464537.12   3775764.91        0.00708  (11061807)                464587.12
3775764.91        0.00623  (11061807)
        464487.12   3775814.91        0.00785  (11061807)                464537.12
3775814.91        0.00677  (11061807)
        464587.12   3775814.91        0.00588  (11061807)                464437.12
3775864.91        0.01139  (15102517)
        464487.12   3775864.91        0.00929  (15102517)                464537.12
3775864.91        0.00766  (15102517)
        464587.12   3775864.91        0.00638  (15102517)                464437.12
3775914.91        0.01208  (15102517)
        464487.12   3775914.91        0.01016  (15102517)                464537.12
3775914.91        0.00861  (15102517)
        464587.12   3775914.91        0.00734  (15102517)                464437.12
3775964.91        0.01165  (15102517)
        464487.12   3775964.91        0.01010  (15102517)                464537.12
3775964.91        0.00880  (15102517)
        464587.12   3775964.91        0.00769  (15102517)                464437.12
3776014.91        0.01024  (15102517)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                   PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                 L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                 L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                 L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        464487.12   3776014.91        0.00920  (15102517)                464537.12
3776014.91        0.00826  (15102517)
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        464587.12   3776014.91        0.00742  (15102517)               464437.12
3776064.91        0.00826  (15102517)
        464487.12   3776064.91        0.00772  (15102517)               464537.12
3776064.91        0.00717  (15102517)
        464587.12   3776064.91        0.00664  (15102517)               464437.12
3776114.91        0.00625  (15102517)
        464487.12   3776114.91        0.00606  (15102517)               464537.12
3776114.91        0.00582  (15102517)
        464587.12   3776114.91        0.00556  (15102517)               464437.12
3776164.91        0.00531  (11091107)
        464487.12   3776164.91        0.00482  (11060807)               464537.12
3776164.91        0.00448  (11060807)
        464587.12   3776164.91        0.00441  (15102517)               464437.12
3776214.91        0.00481  (11091107)
        464487.12   3776214.91        0.00449  (11091107)               464537.12
3776214.91        0.00412  (16031518)
        464587.12   3776214.91        0.00387  (11060807)               464437.12
3776264.91        0.00468  (12052020)
        464487.12   3776264.91        0.00416  (15100407)               464537.12
3776264.91        0.00392  (11091107)
        464587.12   3776264.91        0.00362  (16031518)               464237.12
3776314.91        0.00628  (12022722)
        464287.12   3776314.91        0.00580  (12081120)               464337.12
3776314.91        0.00536  (11012221)
        464387.12   3776314.91        0.00496  (11062320)               464437.12
3776314.91        0.00449  (12083019)
        464487.12   3776314.91        0.00397  (11100507)               464537.12
3776314.91        0.00370  (15100407)
        464587.12   3776314.91        0.00344  (16072719)               463056.48
3775313.51        0.00235  (12021402)
        463106.48   3775313.51        0.00261  (11092608)               463156.48
3775313.51        0.00287  (11092608)
        463206.48   3775313.51        0.00312  (11092608)               463256.48
3775313.51        0.00332  (11092608)
        463306.48   3775313.51        0.00347  (11092608)               463356.48
3775313.51        0.00354  (11092608)
        463406.48   3775313.51        0.00351  (11092608)               463056.48
3775363.51        0.00248  (11011521)
        463106.48   3775363.51        0.00258  (11011521)               463156.48
3775363.51        0.00284  (11092608)
        463206.48   3775363.51        0.00316  (11092608)               463256.48
3775363.51        0.00347  (11092608)
        463306.48   3775363.51        0.00375  (11092608)               463356.48
3775363.51        0.00398  (11092608)
        463406.48   3775363.51        0.00413  (11092608)               463056.48
3775413.51        0.00263  (15100820)
        463106.48   3775413.51        0.00273  (11011521)               463156.48
3775413.51        0.00287  (11011521)
        463206.48   3775413.51        0.00311  (11092608)               463256.48
3775413.51        0.00350  (11092608)
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        463306.48   3775413.51        0.00389  (11092608)               463356.48
3775413.51        0.00428  (11092608)
        463406.48   3775413.51        0.00462  (11092608)               463056.48
3775463.51        0.00283  (15100820)
        463106.48   3775463.51        0.00294  (15100820)               463156.48
3775463.51        0.00307  (15100820)
        463206.48   3775463.51        0.00321  (11011521)               463256.48
3775463.51        0.00345  (11092608)
        463306.48   3775463.51        0.00392  (11092608)               463356.48
3775463.51        0.00443  (11092608)
        463406.48   3775463.51        0.00495  (11092608)               463056.48
3775513.51        0.00303  (15100820)
        463106.48   3775513.51        0.00317  (15100820)               463156.48
3775513.51        0.00333  (15100820)
        463206.48   3775513.51        0.00350  (15100820)               463256.48
3775513.51        0.00367  (15100820)
        463306.48   3775513.51        0.00392  (11092608)               463356.48
3775513.51        0.00450  (11092608)
        463406.48   3775513.51        0.00515  (11092608)               463056.48
3775563.51        0.00337  (15031403)
        463106.48   3775563.51        0.00348  (15110422)               463156.48
3775563.51        0.00365  (15110422)
        463206.48   3775563.51        0.00385  (15100820)               463256.48
3775563.51        0.00406  (15100820)
        463306.48   3775563.51        0.00430  (15100820)               463356.48
3775563.51        0.00465  (11092608)
        463406.48   3775563.51        0.00537  (11092608)               463056.48
3775613.51        0.00446  (13071606)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                  PAGE 200
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                  L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                  L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                  L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463106.48	3775613.51	0.00454	(13071606)	463156.48	3775613.51	0.00467	(13071606)
463206.48	3775613.51	0.00481	(13071606)	463256.48	3775613.51	0.00496	(13071606)
463306.48	3775613.51	0.00515	(13071606)	463356.48	3775613.51	0.00540	(11092608)
463406.48	3775613.51	0.00615	(11092608)	463056.48	3775663.51	0.01009	(13071606)
463106.48	3775663.51	0.01015	(13071606)	463156.48	3775663.51	0.01031	(13071606)
463206.48	3775663.51	0.01049	(13071606)	463256.48	3775663.51	0.01066	(13071606)
463306.48	3775663.51	0.01090	(13071606)	463356.48	3775663.51	0.01123	(13071606)
463406.48	3775663.51	0.01167	(13071606)	461019.19	3775312.34	0.00099	(11050122)
461069.19	3775312.34	0.00095	(13112718)	461119.19	3775312.34	0.00095	(13112718)
461169.19	3775312.34	0.00096	(13112718)	461219.19	3775312.34	0.00099	(13112718)
461269.19	3775312.34	0.00102	(13112718)	461319.19	3775312.34	0.00103	(13112718)
461369.19	3775312.34	0.00105	(13112718)	461469.19	3775312.34	0.00109	(11011621)
461519.19	3775312.34	0.00111	(11011621)	461569.19	3775312.34	0.00113	(11011621)
461619.19	3775312.34	0.00116	(11011621)	461669.19	3775312.34	0.00119	(11011621)
461719.19	3775312.34	0.00120	(11011621)	461769.19	3775312.34	0.00122	(11011621)
461819.19	3775312.34	0.00123	(11011621)	461869.19	3775312.34	0.00126	(11011621)
461919.19	3775312.34	0.00128	(11011621)	461969.19	3775312.34	0.00130	(11011621)
462019.19	3775312.34	0.00132	(15031403)	462069.19	3775312.34	0.00134	(15031403)
462119.19	3775312.34	0.00137	(15031403)	462169.19	3775312.34	0.00140	(15031403)
462219.19	3775312.34	0.00142	(15031403)	462269.19	3775312.34	0.00145	(15110422)
462319.19	3775312.34	0.00149	(15110422)	462369.19	3775312.34	0.00152	(15110422)
462419.19	3775312.34	0.00156	(15110422)	462469.19			

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3775312.34        0.00160  (16010323)
        462519.19   3775312.34        0.00165  (15100820)                462569.19
3775312.34        0.00170  (15100820)
        462619.19   3775312.34        0.00175  (15100820)                462669.19
3775312.34        0.00181  (15100820)
        462719.19   3775312.34        0.00187  (15100820)                462769.19
3775312.34        0.00192  (15100820)
        462819.19   3775312.34        0.00198  (15100820)                462869.19
3775312.34        0.00203  (15100820)
        462919.19   3775312.34        0.00211  (11011521)                462969.19
3775312.34        0.00220  (11011521)
        463019.19   3775312.34        0.00228  (11011521)                461019.19
3775362.34        0.00117  (13112719)
        461069.19   3775362.34        0.00114  (13112719)                461119.19
3775362.34        0.00117  (13112719)
        461169.19   3775362.34        0.00120  (13112719)                461219.19
3775362.34        0.00118  (13112719)
        461269.19   3775362.34        0.00118  (11050122)                461319.19
3775362.34        0.00114  (16012717)
        461369.19   3775362.34        0.00121  (11050122)                461469.19
3775362.34        0.00124  (13112718)
        461519.19   3775362.34        0.00122  (13112718)                461569.19
3775362.34        0.00123  (13112718)
        461619.19   3775362.34        0.00127  (13112718)                461669.19
3775362.34        0.00130  (13112718)
        461719.19   3775362.34        0.00128  (11011621)                461769.19
3775362.34        0.00135  (13112718)
        461819.19   3775362.34        0.00135  (11011621)                461869.19
3775362.34        0.00135  (11011621)
        461919.19   3775362.34        0.00137  (11011621)                461969.19
3775362.34        0.00138  (11011621)
        462019.19   3775362.34        0.00140  (11011621)                462069.19
3775362.34        0.00142  (11011621)
        462119.19   3775362.34        0.00145  (11011621)                462169.19
3775362.34        0.00149  (11011621)
        462219.19   3775362.34        0.00151  (15031403)                462269.19
3775362.34        0.00154  (15031403)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                  PAGE 201
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                L0039539    , L0039540    , L0039541    , L0039542    , L0039543
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, L0039544    , L0039545    , L0039546    ,
                L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        462319.19   3775362.34        0.00157  (15031403)               462369.19
3775362.34        0.00161  (15031403)
        462419.19   3775362.34        0.00164  (15031403)               462469.19
3775362.34        0.00169  (15110422)
        462519.19   3775362.34        0.00173  (15110422)               462569.19
3775362.34        0.00178  (15110422)
        462619.19   3775362.34        0.00183  (16010323)               462669.19
3775362.34        0.00189  (15100820)
        462719.19   3775362.34        0.00195  (15100820)               462769.19
3775362.34        0.00202  (15100820)
        462819.19   3775362.34        0.00209  (15100820)               462869.19
3775362.34        0.00216  (15100820)
        462919.19   3775362.34        0.00224  (15100820)               462969.19
3775362.34        0.00231  (15100820)
        463019.19   3775362.34        0.00240  (11011521)               461019.19
3775412.34        0.00131  (13112717)
        461069.19   3775412.34        0.00131  (13112719)               461119.19
3775412.34        0.00135  (13112719)
        461169.19   3775412.34        0.00133  (13112719)               461219.19
3775412.34        0.00136  (13112719)
        461269.19   3775412.34        0.00134  (13112719)               461319.19
3775412.34        0.00133  (16012717)
        461369.19   3775412.34        0.00139  (13112719)               461469.19
3775412.34        0.00142  (13112719)
        461519.19   3775412.34        0.00137  (11050122)               461569.19
3775412.34        0.00141  (13041207)
        461619.19   3775412.34        0.00143  (13041207)               461669.19
3775412.34        0.00144  (11050122)
        461719.19   3775412.34        0.00146  (13112718)               461769.19
3775412.34        0.00157  (11050122)
        461819.19   3775412.34        0.00160  (11050122)               461869.19
3775412.34        0.00149  (13112718)
        461919.19   3775412.34        0.00149  (13071606)               461969.19
3775412.34        0.00151  (13071606)
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        462019.19   3775412.34        0.00152  (13071606)               462069.19
3775412.34        0.00154  (13071606)
        462119.19   3775412.34        0.00157  (11011621)               462169.19
3775412.34        0.00160  (11011621)
        462219.19   3775412.34        0.00164  (11011621)               462269.19
3775412.34        0.00167  (11011621)
        462319.19   3775412.34        0.00168  (11011621)               462369.19
3775412.34        0.00171  (11011621)
        462419.19   3775412.34        0.00175  (15031403)               462469.19
3775412.34        0.00180  (15031403)
        462519.19   3775412.34        0.00184  (15031403)               462569.19
3775412.34        0.00188  (15031403)
        462619.19   3775412.34        0.00193  (15110422)               462669.19
3775412.34        0.00199  (15110422)
        462719.19   3775412.34        0.00205  (15110422)               462769.19
3775412.34        0.00212  (15100820)
        462819.19   3775412.34        0.00220  (15100820)               462869.19
3775412.34        0.00228  (15100820)
        462919.19   3775412.34        0.00237  (15100820)               462969.19
3775412.34        0.00247  (15100820)
        463019.19   3775412.34        0.00256  (15100820)               461019.19
3775462.34        0.00148  (13112717)
        461069.19   3775462.34        0.00151  (13112717)               461119.19
3775462.34        0.00153  (13112717)
        461169.19   3775462.34        0.00153  (13112717)               461219.19
3775462.34        0.00158  (13112717)
        461269.19   3775462.34        0.00157  (13112717)               461319.19
3775462.34        0.00156  (16012717)
        461369.19   3775462.34        0.00163  (13112717)               461469.19
3775462.34        0.00161  (13112719)
        461519.19   3775462.34        0.00159  (13041207)               461569.19
3775462.34        0.00175  (13041207)
        461619.19   3775462.34        0.00167  (13041207)               461669.19
3775462.34        0.00176  (13112719)
        461719.19   3775462.34        0.00184  (13112719)               461769.19
3775462.34        0.00194  (16092601)
        461819.19   3775462.34        0.00190  (13112719)               461869.19
3775462.34        0.00169  (13071606)
        461919.19   3775462.34        0.00170  (13071606)               461969.19
3775462.34        0.00176  (11050122)
        462019.19   3775462.34        0.00178  (11050122)               462069.19
3775462.34        0.00180  (13112718)
        462119.19   3775462.34        0.00186  (13112718)               462169.19
3775462.34        0.00194  (13112718)
        462219.19   3775462.34        0.00193  (13112718)               462269.19
3775462.34        0.00200  (13112718)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 ,
L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 ,
L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 ,
L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775462.34	0.00190	(11011621)	462369.19	3775462.34	0.00192	(11011621)
462419.19	3775462.34	0.00191	(11011621)	462469.19	3775462.34	0.00196	(11011621)
462519.19	3775462.34	0.00199	(11011621)	462569.19	3775462.34	0.00203	(11011621)
462619.19	3775462.34	0.00208	(15031403)	462669.19	3775462.34	0.00216	(15031403)
462719.19	3775462.34	0.00221	(15031403)	462769.19	3775462.34	0.00226	(15110422)
462819.19	3775462.34	0.00234	(15110422)	462869.19	3775462.34	0.00241	(15110422)
462919.19	3775462.34	0.00250	(15100820)	462969.19	3775462.34	0.00262	(15100820)
463019.19	3775462.34	0.00273	(15100820)	461019.19	3775512.34	0.00169	(13112717)
461069.19	3775512.34	0.00174	(13112717)	461119.19	3775512.34	0.00175	(13112717)
461169.19	3775512.34	0.00177	(13112717)	461219.19	3775512.34	0.00183	(13112717)
461269.19	3775512.34	0.00182	(13112717)	461319.19	3775512.34	0.00181	(13112717)
461369.19	3775512.34	0.00204	(16012717)	461469.19	3775512.34	0.00187	(13112717)
461519.19	3775512.34	0.00217	(13041207)	461569.19			

3775512.34 0.00217 (13041207)
461619.19 3775512.34 0.00197 (13041207) 461669.19
3775512.34 0.00193 (13112717)
461719.19 3775512.34 0.00200 (16092601) 461769.19
3775512.34 0.00220 (16092601)
461819.19 3775512.34 0.00228 (16092601) 461869.19
3775512.34 0.00200 (13112719)
461919.19 3775512.34 0.00201 (13071606) 461969.19
3775512.34 0.00202 (13071606)
462019.19 3775512.34 0.00210 (13112719) 462069.19
3775512.34 0.00216 (13112719)
462119.19 3775512.34 0.00229 (13112719) 462169.19
3775512.34 0.00234 (13112719)
462219.19 3775512.34 0.00233 (13112719) 462269.19
3775512.34 0.00238 (13112719)
462319.19 3775512.34 0.00233 (11050122) 462369.19
3775512.34 0.00232 (11050122)
462419.19 3775512.34 0.00226 (13112718) 462469.19
3775512.34 0.00233 (13112718)
462519.19 3775512.34 0.00234 (13112718) 462569.19
3775512.34 0.00227 (11011621)
462619.19 3775512.34 0.00232 (11011621) 462669.19
3775512.34 0.00240 (11011621)
462719.19 3775512.34 0.00241 (11011621) 462769.19
3775512.34 0.00247 (15031403)
462819.19 3775512.34 0.00255 (15031403) 462869.19
3775512.34 0.00262 (15031403)
462919.19 3775512.34 0.00271 (15031403) 462969.19
3775512.34 0.00281 (15110422)
463019.19 3775512.34 0.00293 (15110422) 461019.19
3775562.34 0.00183 (13112721)
461069.19 3775562.34 0.00186 (15112623) 461119.19
3775562.34 0.00190 (15112623)
461169.19 3775562.34 0.00194 (15112623) 461219.19
3775562.34 0.00208 (15112623)
461269.19 3775562.34 0.00213 (15112623) 461319.19
3775562.34 0.00216 (15112623)
461369.19 3775562.34 0.00268 (16012717) 461469.19
3775562.34 0.00266 (13041207)
461519.19 3775562.34 0.00300 (13041207) 461569.19
3775562.34 0.00271 (13041207)
461619.19 3775562.34 0.00244 (13041207) 461669.19
3775562.34 0.00243 (13071606)
461719.19 3775562.34 0.00248 (16092601) 461769.19
3775562.34 0.00273 (16092601)
461819.19 3775562.34 0.00280 (16092601) 461869.19
3775562.34 0.00259 (16092601)
461919.19 3775562.34 0.00251 (13071606) 461969.19
3775562.34 0.00252 (13071606)
462019.19 3775562.34 0.00254 (13071606) 462069.19

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0039534   , L0039535
, L0039536   , L0039537   , L0039538   ,
                 L0039539   , L0039540   , L0039541   , L0039542   , L0039543
, L0039544   , L0039545   , L0039546   ,
                 L0039547   , L0039548   , L0039549   , L0039550   , L0039551
, L0039552   , L0039553   , L0039554   ,
                 L0039555   , L0039556   , L0039557   , L0039558   , L0039559
, L0039560   , L0039561   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        462319.19   3775562.34   0.00287 (16092601)   462369.19
3775562.34   0.00287 (16092601)
        462419.19   3775562.34   0.00282 (13112719)   462469.19
3775562.34   0.00287 (13112719)
        462519.19   3775562.34   0.00286 (13112719)   462569.19
3775562.34   0.00286 (11050122)
        462619.19   3775562.34   0.00281 (13071606)   462669.19
3775562.34   0.00285 (13071606)
        462719.19   3775562.34   0.00288 (13071606)   462769.19
3775562.34   0.00292 (13071606)
        462819.19   3775562.34   0.00297 (13071606)   462869.19
3775562.34   0.00302 (13071606)
        462919.19   3775562.34   0.00308 (13071606)   462969.19
3775562.34   0.00317 (15031403)
        463019.19   3775562.34   0.00327 (15031403)   461019.19
3775612.34   0.00199 (13112721)

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        461069.19   3775612.34        0.00201  (13111401)               461119.19
3775612.34        0.00209  (13111401)
        461169.19   3775612.34        0.00215  (13111401)               461219.19
3775612.34        0.00229  (13111401)
        461269.19   3775612.34        0.00255  (13112721)               461319.19
3775612.34        0.00274  (13112721)
        461369.19   3775612.34        0.00355  (16012717)               461469.19
3775612.34        0.00471  (13041207)
        461519.19   3775612.34        0.00431  (13041207)               461569.19
3775612.34        0.00376  (13041207)
        461619.19   3775612.34        0.00349  (13041207)               461669.19
3775612.34        0.00348  (13071606)
        461719.19   3775612.34        0.00349  (13071606)               461769.19
3775612.34        0.00356  (13112721)
        461819.19   3775612.34        0.00360  (13112721)               461869.19
3775612.34        0.00354  (13071606)
        461919.19   3775612.34        0.00355  (13071606)               461969.19
3775612.34        0.00355  (13071606)
        462019.19   3775612.34        0.00358  (13071606)               462069.19
3775612.34        0.00358  (13071606)
        462119.19   3775612.34        0.00361  (13071606)               462169.19
3775612.34        0.00363  (13071606)
        462219.19   3775612.34        0.00366  (13071606)               462269.19
3775612.34        0.00374  (16092601)
        462319.19   3775612.34        0.00372  (13071606)               462369.19
3775612.34        0.00374  (13071606)
        462419.19   3775612.34        0.00377  (13071606)               462469.19
3775612.34        0.00380  (13071606)
        462519.19   3775612.34        0.00384  (13071606)               462569.19
3775612.34        0.00387  (13071606)
        462619.19   3775612.34        0.00391  (13071606)               462669.19
3775612.34        0.00394  (13071606)
        462719.19   3775612.34        0.00398  (13071606)               462769.19
3775612.34        0.00402  (13071606)
        462819.19   3775612.34        0.00406  (13071606)               462869.19
3775612.34        0.00411  (13071606)
        462919.19   3775612.34        0.00419  (13071606)               462969.19
3775612.34        0.00427  (13071606)
        463019.19   3775612.34        0.00435  (13071606)               461019.19
3775662.34        0.00210  (12111507)
        461069.19   3775662.34        0.00216  (13111401)               461119.19
3775662.34        0.00227  (13111401)
        461169.19   3775662.34        0.00239  (13111401)               461219.19
3775662.34        0.00260  (13111401)
        461269.19   3775662.34        0.00287  (13111401)               461319.19
3775662.34        0.00324  (16092603)
        461369.19   3775662.34        0.00420  (11092608)               461469.19
3775662.34        0.00933  (13041207)
        461519.19   3775662.34        0.00783  (13041207)               461569.19
3775662.34        0.00744  (13071606)
```

        462319.19   3775662.34   0.00857 (13071606)   462369.19
3775662.34   0.00870 (13071606)
        462419.19   3775662.34   0.00882 (13071606)   462469.19
3775662.34   0.00895 (13071606)
        462519.19   3775662.34   0.00909 (13071606)   462569.19
3775662.34   0.00917 (13071606)
        462619.19   3775662.34   0.00921 (13071606)   462669.19

```
3775662.34        0.00922  (13071606)
        462719.19   3775662.34        0.00921  (13071606)                462769.19
3775662.34        0.00923  (13071606)
        462819.19   3775662.34        0.00923  (13071606)                462869.19
3775662.34        0.00927  (13071606)
        462919.19   3775662.34        0.00937  (13071606)                462969.19
3775662.34        0.00951  (13071606)
        463019.19   3775662.34        0.00961  (13071606)                461369.19
3775912.34        0.00555  (13051323)
        461146.60   3775743.55        0.00254  (13012321)                464042.43
3776049.67        0.02104  (13071606)
        463968.06   3776150.13        0.01335  (15101020)                463914.57
3776284.52        0.01210  (11061501)
        464138.68   3776345.34        0.00499  (16101607)                464188.68
3776345.34        0.00505  (16101607)
        464238.68   3776345.34        0.00617  (12022722)                464288.68
3776345.34        0.00598  (12022722)
        464338.68   3776345.34        0.00584  (16021808)                464388.68
3776345.34        0.00540  (16042221)
        464438.68   3776345.34        0.00496  (11062320)                464488.68
3776345.34        0.00405  (12083019)
        464538.68   3776345.34        0.00398  (11062019)                464588.68
3776345.34        0.00354  (15100407)
        464138.68   3776395.34        0.00448  (16101607)                464188.68
3776395.34        0.00462  (16101607)
        464238.68   3776395.34        0.00625  (11032107)                464288.68
3776395.34        0.00613  (12022722)
        464338.68   3776395.34        0.00634  (16021808)                464388.68
3776395.34        0.00565  (16062720)
        464438.68   3776395.34        0.00543  (16062720)                464488.68
3776395.34        0.00439  (11040824)
        464538.68   3776395.34        0.00457  (11011917)                464588.68
3776395.34        0.00443  (11062019)
        464138.68   3776445.34        0.00409  (11090505)                464188.68
3776445.34        0.00420  (16101607)
        464238.68   3776445.34        0.00648  (16032621)                464288.68
3776445.34        0.00639  (12082203)
        464338.68   3776445.34        0.00661  (15020819)                464388.68
3776445.34        0.00634  (16062720)
        464438.68   3776445.34        0.00607  (16062720)                464488.68
3776445.34        0.00499  (11011917)
        464538.68   3776445.34        0.00527  (11011917)                464588.68
3776445.34        0.00501  (11090419)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                  PAGE 205
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 , L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 , L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 , L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463437.12	3775314.91	0.00160m	(15010924)	463487.12	3775314.91	0.00168m	(15010924)
463537.12	3775314.91	0.00177m	(15010924)	463587.12	3775314.91	0.00186m	(15010924)
463637.12	3775314.91	0.00195m	(15010924)	463687.12	3775314.91	0.00206m	(15010924)
463737.12	3775314.91	0.00215m	(15010924)	463787.12	3775314.91	0.00224m	(15010924)
463837.12	3775314.91	0.00233m	(15010924)	463887.12	3775314.91	0.00240m	(15010924)
463937.12	3775314.91	0.00244m	(15010924)	463987.12	3775314.91	0.00246m	(15010924)
464037.12	3775314.91	0.00244m	(15010924)	464087.12	3775314.91	0.00240m	(15010924)
464137.12	3775314.91	0.00232m	(15010924)	464187.12	3775314.91	0.00222m	(15010924)
464237.12	3775314.91	0.00209m	(15010924)	464287.12	3775314.91	0.00196m	(15010924)
464337.12	3775314.91	0.00182m	(15010924)	463437.12	3775364.91	0.00176m	(15010924)
463487.12	3775364.91	0.00186m	(15010924)	463537.12	3775364.91	0.00196m	(15010924)
463587.12	3775364.91	0.00208m	(15010924)	463637.12	3775364.91	0.00220m	(15010924)
463687.12	3775364.91	0.00233m	(15010924)	463737.12	3775364.91	0.00246m	(15010924)
463787.12	3775364.91	0.00259m	(15010924)	463837.12	3775364.91	0.00271m	(15010924)

```
        463887.12   3775364.91        0.00280m (15010924)               463937.12
3775364.91        0.00286m (15010924)
        463987.12   3775364.91        0.00289m (15010924)               464037.12
3775364.91        0.00287m (15010924)
        464087.12   3775364.91        0.00281m (15010924)               464137.12
3775364.91        0.00270m (15010924)
        464187.12   3775364.91        0.00256m (15010924)               464237.12
3775364.91        0.00240m (15010924)
        464287.12   3775364.91        0.00222m (15010924)               464337.12
3775364.91        0.00204m (15010924)
        463437.12   3775414.91        0.00195m (15010924)               463487.12
3775414.91        0.00206m (15010924)
        463537.12   3775414.91        0.00219m (15010924)               463587.12
3775414.91        0.00234m (15010924)
        463637.12   3775414.91        0.00249m (15010924)               463687.12
3775414.91        0.00267m (15010924)
        463737.12   3775414.91        0.00285m (15010924)               463787.12
3775414.91        0.00302m (15010924)
        463837.12   3775414.91        0.00320m (15010924)               463887.12
3775414.91        0.00334m (15010924)
        463937.12   3775414.91        0.00343m (15010924)               463987.12
3775414.91        0.00347m (15010924)
        464037.12   3775414.91        0.00344m (15010924)               464087.12
3775414.91        0.00335m (15010924)
        464137.12   3775414.91        0.00320m (15010924)               464187.12
3775414.91        0.00301m (15010924)
        464237.12   3775414.91        0.00278m (15010924)               464287.12
3775414.91        0.00254m (15010924)
        463437.12   3775464.91        0.00218m (15010924)               463487.12
3775464.91        0.00231m (15010924)
        463537.12   3775464.91        0.00247m (15010924)               463587.12
3775464.91        0.00265m (15010924)
        463637.12   3775464.91        0.00286m (15010924)               463687.12
3775464.91        0.00309m (15010924)
        463737.12   3775464.91        0.00334m (15010924)               463787.12
3775464.91        0.00360m (15010924)
        463837.12   3775464.91        0.00385m (15010924)               463887.12
3775464.91        0.00406m (15010924)
        463937.12   3775464.91        0.00421m (15010924)               463987.12
3775464.91        0.00427m (15010924)
        464037.12   3775464.91        0.00424m (15010924)               464087.12
3775464.91        0.00411m (15010924)
        464137.12   3775464.91        0.00389m (15010924)               464187.12
3775464.91        0.00360m (15010924)
        464237.12   3775464.91        0.00328m (15010924)               464287.12
3775464.91        0.00293m (15010924)
        463437.12   3775514.91        0.00248m (15010924)               463487.12
3775514.91        0.00264m (15010924)
        463537.12   3775514.91        0.00284m (15010924)               463587.12
3775514.91        0.00306m (15010924)
```

                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0039534   , L0039535
, L0039536   , L0039537   , L0039538   ,
                  L0039539   , L0039540   , L0039541   , L0039542   , L0039543
, L0039544   , L0039545   , L0039546   ,
                  L0039547   , L0039548   , L0039549   , L0039550   , L0039551
, L0039552   , L0039553   , L0039554   ,
                  L0039555   , L0039556   , L0039557   , L0039558   , L0039559
, L0039560   , L0039561   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463737.12   3775514.91   0.00399m (15010924)   463787.12
3775514.91   0.00438m (15010924)
        463837.12   3775514.91   0.00478m (15010924)   463887.12
3775514.91   0.00513m (15010924)
        463937.12   3775514.91   0.00537m (15010924)   463987.12
3775514.91   0.00546m (15010924)
        464037.12   3775514.91   0.00540m (15010924)   464087.12
3775514.91   0.00519m (15010924)
        464137.12   3775514.91   0.00486m (15010924)   464187.12
3775514.91   0.00442m (15010924)
        464237.12   3775514.91   0.00394m (15010924)   463437.12
3775564.91   0.00292m (15010924)
        463487.12   3775564.91   0.00311m (15010924)   463537.12
3775564.91   0.00335m (15010924)
        463587.12   3775564.91   0.00363m (15010924)   463637.12
3775564.91   0.00398m (15010924)
        463687.12   3775564.91   0.00441m (15010924)   463737.12
3775564.91   0.00492m (15010924)
        463787.12   3775564.91   0.00552m (15010924)   463837.12

3775564.91 0.00619m (15010924)
463887.12 3775564.91 0.00679m (15010924) 463937.12
3775564.91 0.00721m (15010924)
463987.12 3775564.91 0.00736m (15010924) 464037.12
3775564.91 0.00724m (15010924)
464087.12 3775564.91 0.00689m (15010924) 464137.12
3775564.91 0.00634m (15010924)
464187.12 3775564.91 0.00563m (15010924) 464237.12
3775564.91 0.00483m (15010924)
463437.12 3775614.91 0.00376m (15010924) 463487.12
3775614.91 0.00399m (15010924)
463537.12 3775614.91 0.00428m (15010924) 463587.12
3775614.91 0.00464m (15010924)
463637.12 3775614.91 0.00508m (15010924) 463687.12
3775614.91 0.00566m (15010924)
463737.12 3775614.91 0.00641m (15010924) 463787.12
3775614.91 0.00741m (15010924)
463837.12 3775614.91 0.00868m (15010924) 463887.12
3775614.91 0.00986m (15010924)
463937.12 3775614.91 0.01063m (15010924) 463987.12
3775614.91 0.01086m (15010924)
464037.12 3775614.91 0.01052m (15010924) 464087.12
3775614.91 0.00982m (15010924)
464137.12 3775614.91 0.00888m (15010924) 464187.12
3775614.91 0.00763m (15010924)
464237.12 3775614.91 0.00620m (15010924) 463437.12
3775664.91 0.00795 (16121124)
463487.12 3775664.91 0.00825 (16121124) 463537.12
3775664.91 0.00865 (16121124)
463587.12 3775664.91 0.00907 (16121124) 463637.12
3775664.91 0.00956 (16121124)
463687.12 3775664.91 0.01027 (16121124) 463737.12
3775664.91 0.01134 (16121124)
463787.12 3775664.91 0.01312m (15010924) 463837.12
3775664.91 0.01619m (15010924)
463887.12 3775664.91 0.01940m (15010924) 463937.12
3775664.91 0.02108m (15010924)
463987.12 3775664.91 0.02161m (15010924) 464037.12
3775664.91 0.01968m (15010924)
464087.12 3775664.91 0.01640m (15010924) 464137.12
3775664.91 0.01461m (15010924)
464187.12 3775664.91 0.01213m (15010924) 464237.12
3775664.91 0.00872m (15010924)
464537.12 3775764.91 0.00294 (16051524) 464587.12
3775764.91 0.00258 (16051524)
464487.12 3775814.91 0.00376 (16051524) 464537.12
3775814.91 0.00323 (16051524)
464587.12 3775814.91 0.00281 (16051524) 464437.12
3775864.91 0.00453 (16051524)
464487.12 3775864.91 0.00384 (16051524) 464537.12

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0039534   , L0039535
, L0039536   , L0039537   , L0039538   ,
                L0039539   , L0039540   , L0039541   , L0039542   , L0039543
, L0039544   , L0039545   , L0039546   ,
                L0039547   , L0039548   , L0039549   , L0039550   , L0039551
, L0039552   , L0039553   , L0039554   ,
                L0039555   , L0039556   , L0039557   , L0039558   , L0039559
, L0039560   , L0039561   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464487.12   3776014.91   0.00306 (13111624)   464537.12
3776014.91   0.00269 (13111624)
        464587.12   3776014.91   0.00239 (13111624)   464437.12
3776064.91   0.00328m (12042324)
        464487.12   3776064.91   0.00286m (12042324)   464537.12
3776064.91   0.00251 (13111624)
        464587.12   3776064.91   0.00226 (13111624)   464437.12
3776114.91   0.00301m (12042324)
        464487.12   3776114.91   0.00270m (12042324)   464537.12
3776114.91   0.00241m (12042324)

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        464587.12   3776114.91        0.00214m (12042324)               464437.12
3776164.91        0.00278m (16031424)
        464487.12   3776164.91        0.00247m (12042324)               464537.12
3776164.91        0.00226m (12042324)
        464587.12   3776164.91        0.00206m (12042324)               464437.12
3776214.91        0.00263m (16031424)
        464487.12   3776214.91        0.00229m (16031424)               464537.12
3776214.91        0.00208m (12042324)
        464587.12   3776214.91        0.00193m (12042324)               464437.12
3776264.91        0.00260m (16031424)
        464487.12   3776264.91        0.00225m (16031424)               464537.12
3776264.91        0.00204m (16031424)
        464587.12   3776264.91        0.00177m (12042324)               464237.12
3776314.91        0.00291  (12120224)
        464287.12   3776314.91        0.00279m (16031424)               464337.12
3776314.91        0.00272m (16031424)
        464387.12   3776314.91        0.00262m (16031424)               464437.12
3776314.91        0.00243m (16031424)
        464487.12   3776314.91        0.00216m (16031424)               464537.12
3776314.91        0.00197m (16031424)
        464587.12   3776314.91        0.00177m (16031424)               463056.48
3775313.51        0.00118m (15010924)
        463106.48   3775313.51        0.00121m (15010924)               463156.48
3775313.51        0.00126m (15010924)
        463206.48   3775313.51        0.00131m (15010924)               463256.48
3775313.51        0.00136m (15010924)
        463306.48   3775313.51        0.00142m (15010924)               463356.48
3775313.51        0.00148m (15010924)
        463406.48   3775313.51        0.00155m (15010924)               463056.48
3775363.51        0.00127m (15010924)
        463106.48   3775363.51        0.00131m (15010924)               463156.48
3775363.51        0.00136m (15010924)
        463206.48   3775363.51        0.00142m (15010924)               463256.48
3775363.51        0.00148m (15010924)
        463306.48   3775363.51        0.00154m (15010924)               463356.48
3775363.51        0.00162m (15010924)
        463406.48   3775363.51        0.00170m (15010924)               463056.48
3775413.51        0.00139m (15010924)
        463106.48   3775413.51        0.00144m (15010924)               463156.48
3775413.51        0.00149m (15010924)
        463206.48   3775413.51        0.00155m (15010924)               463256.48
3775413.51        0.00162m (15010924)
        463306.48   3775413.51        0.00170m (15010924)               463356.48
3775413.51        0.00178m (15010924)
        463406.48   3775413.51        0.00188m (15010924)               463056.48
3775463.51        0.00155m (15010924)
        463106.48   3775463.51        0.00160m (15010924)               463156.48
3775463.51        0.00166m (15010924)
        463206.48   3775463.51        0.00172m (15010924)               463256.48
3775463.51        0.00180m (15010924)
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        463306.48   3775463.51        0.00189m (15010924)               463356.48
3775463.51        0.00198m (15010924)
        463406.48   3775463.51        0.00209m (15010924)               463056.48
3775513.51        0.00177m (15010924)
        463106.48   3775513.51        0.00182m (15010924)               463156.48
3775513.51        0.00188m (15010924)
        463206.48   3775513.51        0.00196m (15010924)               463256.48
3775513.51        0.00204m (15010924)
        463306.48   3775513.51        0.00214m (15010924)               463356.48
3775513.51        0.00225m (15010924)
        463406.48   3775513.51        0.00238m (15010924)               463056.48
3775563.51        0.00212m (15010924)
        463106.48   3775563.51        0.00217m (15010924)               463156.48
3775563.51        0.00224m (15010924)
        463206.48   3775563.51        0.00232m (15010924)               463256.48
3775563.51        0.00242m (15010924)
        463306.48   3775563.51        0.00252m (15010924)               463356.48
3775563.51        0.00265m (15010924)
        463406.48   3775563.51        0.00280m (15010924)               463056.48
3775613.51        0.00285m (15010924)
♠ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                   PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
                  L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                  L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                  L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        463106.48   3775613.51        0.00289m (15010924)               463156.48
```

3775613.51 0.00297m (15010924)
463206.48 3775613.51 0.00307m (15010924) 463256.48
3775613.51 0.00316m (15010924)
463306.48 3775613.51 0.00328m (15010924) 463356.48
3775613.51 0.00342m (15010924)
463406.48 3775613.51 0.00360m (15010924) 463056.48
3775663.51 0.00644 (16121124)
463106.48 3775663.51 0.00646 (16121124) 463156.48
3775663.51 0.00656 (16121124)
463206.48 3775663.51 0.00666 (16121124) 463256.48
3775663.51 0.00676 (16121124)
463306.48 3775663.51 0.00690 (16121124) 463356.48
3775663.51 0.00710 (16121124)
463406.48 3775663.51 0.00736 (16121124) 461019.19
3775312.34 0.00042m (15010924)
461069.19 3775312.34 0.00044m (15010924) 461119.19
3775312.34 0.00046m (15010924)
461169.19 3775312.34 0.00048m (15010924) 461219.19
3775312.34 0.00051m (15010924)
461269.19 3775312.34 0.00054m (15010924) 461319.19
3775312.34 0.00057m (15010924)
461369.19 3775312.34 0.00060m (15010924) 461469.19
3775312.34 0.00065m (15010924)
461519.19 3775312.34 0.00067m (15010924) 461569.19
3775312.34 0.00069m (15010924)
461619.19 3775312.34 0.00071m (15010924) 461669.19
3775312.34 0.00073m (15010924)
461719.19 3775312.34 0.00074m (15010924) 461769.19
3775312.34 0.00075m (15010924)
461819.19 3775312.34 0.00076m (15010924) 461869.19
3775312.34 0.00077m (15010924)
461919.19 3775312.34 0.00078m (15010924) 461969.19
3775312.34 0.00079m (15010924)
462019.19 3775312.34 0.00080m (15010924) 462069.19
3775312.34 0.00081m (15010924)
462119.19 3775312.34 0.00082m (15010924) 462169.19
3775312.34 0.00083m (15010924)
462219.19 3775312.34 0.00084m (15010924) 462269.19
3775312.34 0.00085m (15010924)
462319.19 3775312.34 0.00086m (15010924) 462369.19
3775312.34 0.00087m (15010924)
462419.19 3775312.34 0.00088m (15010924) 462469.19
3775312.34 0.00090m (15010924)
462519.19 3775312.34 0.00091m (15010924) 462569.19
3775312.34 0.00093m (15010924)
462619.19 3775312.34 0.00094m (15010924) 462669.19
3775312.34 0.00096m (15010924)
462719.19 3775312.34 0.00098m (15010924) 462769.19
3775312.34 0.00100m (15010924)
462819.19 3775312.34 0.00103m (15010924) 462869.19

3775312.34   0.00105m (15010924)
        462919.19   3775312.34   0.00108m (15010924)   462969.19
3775312.34   0.00111m (15010924)
        463019.19   3775312.34   0.00115m (15010924)   461019.19
3775362.34   0.00044m (15010924)
        461069.19   3775362.34   0.00046m (15010924)   461119.19
3775362.34   0.00049m (15010924)
        461169.19   3775362.34   0.00052m (15010924)   461219.19
3775362.34   0.00055m (15010924)
        461269.19   3775362.34   0.00058m (15010924)   461319.19
3775362.34   0.00062m (15010924)
        461369.19   3775362.34   0.00065m (15010924)   461469.19
3775362.34   0.00072m (15010924)
        461519.19   3775362.34   0.00074m (15010924)   461569.19
3775362.34   0.00077m (15010924)
        461619.19   3775362.34   0.00079m (15010924)   461669.19
3775362.34   0.00080m (15010924)
        461719.19   3775362.34   0.00082m (15010924)   461769.19
3775362.34   0.00083m (15010924)
        461819.19   3775362.34   0.00084m (15010924)   461869.19
3775362.34   0.00085m (15010924)
        461919.19   3775362.34   0.00086m (15010924)   461969.19
3775362.34   0.00087m (15010924)
        462019.19   3775362.34   0.00088m (15010924)   462069.19
3775362.34   0.00088m (15010924)
        462119.19   3775362.34   0.00090m (15010924)   462169.19
3775362.34   0.00091m (15010924)
        462219.19   3775362.34   0.00092m (15010924)   462269.19
3775362.34   0.00093m (15010924)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0039534   , L0039535
, L0039536   , L0039537   , L0039538   ,
                L0039539   , L0039540   , L0039541   , L0039542   , L0039543
, L0039544   , L0039545   , L0039546   ,
                L0039547   , L0039548   , L0039549   , L0039550   , L0039551
, L0039552   , L0039553   , L0039554   ,
                L0039555   , L0039556   , L0039557   , L0039558   , L0039559
, L0039560   , L0039561   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
462319.19	3775362.34	0.00094m (15010924)	462369.19	3775362.34	0.00095m (15010924)
462419.19	3775362.34	0.00096m (15010924)	462469.19	3775362.34	0.00098m (15010924)
462519.19	3775362.34	0.00099m (15010924)	462569.19	3775362.34	0.00101m (15010924)
462619.19	3775362.34	0.00103m (15010924)	462669.19	3775362.34	0.00105m (15010924)
462719.19	3775362.34	0.00107m (15010924)	462769.19	3775362.34	0.00109m (15010924)
462819.19	3775362.34	0.00111m (15010924)	462869.19	3775362.34	0.00114m (15010924)
462919.19	3775362.34	0.00117m (15010924)	462969.19	3775362.34	0.00120m (15010924)
463019.19	3775362.34	0.00124m (15010924)	461019.19	3775412.34	0.00046m (15010924)
461069.19	3775412.34	0.00049m (15010924)	461119.19	3775412.34	0.00052m (15010924)
461169.19	3775412.34	0.00055m (15010924)	461219.19	3775412.34	0.00059m (15010924)
461269.19	3775412.34	0.00063m (15010924)	461319.19	3775412.34	0.00067m (15010924)
461369.19	3775412.34	0.00072m (15010924)	461469.19	3775412.34	0.00081m (15010924)
461519.19	3775412.34	0.00084m (15010924)	461569.19	3775412.34	0.00086m (15010924)
461619.19	3775412.34	0.00088m (15010924)	461669.19	3775412.34	0.00090m (15010924)
461719.19	3775412.34	0.00092m (15010924)	461769.19	3775412.34	0.00093m (15010924)
461819.19	3775412.34	0.00094m (15010924)	461869.19	3775412.34	0.00095m (15010924)
461919.19	3775412.34	0.00096m (15010924)	461969.19	3775412.34	0.00097m (15010924)
462019.19	3775412.34	0.00098m (15010924)	462069.19	3775412.34	0.00098m (15010924)
462119.19	3775412.34	0.00099m (15010924)	462169.19	3775412.34	0.00101m (15010924)
462219.19	3775412.34	0.00102m (15010924)	462269.19	3775412.34	0.00103m (15010924)
462319.19	3775412.34	0.00104m (15010924)	462369.19	3775412.34	0.00105m (15010924)

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        462419.19   3775412.34        0.00106m (15010924)               462469.19
3775412.34        0.00108m (15010924)
        462519.19   3775412.34        0.00110m (15010924)               462569.19
3775412.34        0.00111m (15010924)
        462619.19   3775412.34        0.00113m (15010924)               462669.19
3775412.34        0.00115m (15010924)
        462719.19   3775412.34        0.00117m (15010924)               462769.19
3775412.34        0.00119m (15010924)
        462819.19   3775412.34        0.00122m (15010924)               462869.19
3775412.34        0.00125m (15010924)
        462919.19   3775412.34        0.00128m (15010924)               462969.19
3775412.34        0.00132m (15010924)
        463019.19   3775412.34        0.00136m (15010924)               461019.19
3775462.34        0.00051  (15112624)
        461069.19   3775462.34        0.00053  (15112624)               461119.19
3775462.34        0.00055m (15010924)
        461169.19   3775462.34        0.00059m (15010924)               461219.19
3775462.34        0.00064m (15010924)
        461269.19   3775462.34        0.00070m (15010924)               461319.19
3775462.34        0.00075m (15010924)
        461369.19   3775462.34        0.00082m (15010924)               461469.19
3775462.34        0.00093m (15010924)
        461519.19   3775462.34        0.00097m (15010924)               461569.19
3775462.34        0.00100m (15010924)
        461619.19   3775462.34        0.00102m (15010924)               461669.19
3775462.34        0.00105m (15010924)
        461719.19   3775462.34        0.00106m (15010924)               461769.19
3775462.34        0.00108m (15010924)
        461819.19   3775462.34        0.00109m (15010924)               461869.19
3775462.34        0.00108m (15010924)
        461919.19   3775462.34        0.00109m (15010924)               461969.19
3775462.34        0.00111m (15010924)
        462019.19   3775462.34        0.00111m (15010924)               462069.19
3775462.34        0.00112m (15010924)
        462119.19   3775462.34        0.00113m (15010924)               462169.19
3775462.34        0.00115m (15010924)
        462219.19   3775462.34        0.00116m (15010924)               462269.19
3775462.34        0.00117m (15010924)
♠ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:08

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0039534    , L0039535
, L0039536    , L0039537    , L0039538    ,
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                L0039539    , L0039540    , L0039541    , L0039542    , L0039543
, L0039544    , L0039545    , L0039546    ,
                L0039547    , L0039548    , L0039549    , L0039550    , L0039551
, L0039552    , L0039553    , L0039554    ,
                L0039555    , L0039556    , L0039557    , L0039558    , L0039559
, L0039560    , L0039561    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        462319.19   3775462.34        0.00118m (15010924)               462369.19
3775462.34        0.00119m (15010924)
        462419.19   3775462.34        0.00120m (15010924)               462469.19
3775462.34        0.00122m (15010924)
        462519.19   3775462.34        0.00123m (15010924)               462569.19
3775462.34        0.00125m (15010924)
        462619.19   3775462.34        0.00127m (15010924)               462669.19
3775462.34        0.00129m (15010924)
        462719.19   3775462.34        0.00131m (15010924)               462769.19
3775462.34        0.00134m (15010924)
        462819.19   3775462.34        0.00136m (15010924)               462869.19
3775462.34        0.00139m (15010924)
        462919.19   3775462.34        0.00143m (15010924)               462969.19
3775462.34        0.00147m (15010924)
        463019.19   3775462.34        0.00151m (15010924)               461019.19
3775512.34        0.00057  (15112624)
        461069.19   3775512.34        0.00060  (15112624)               461119.19
3775512.34        0.00062  (15112624)
        461169.19   3775512.34        0.00065  (15112624)               461219.19
3775512.34        0.00070m (15010924)
        461269.19   3775512.34        0.00077m (15010924)               461319.19
3775512.34        0.00086m (15010924)
        461369.19   3775512.34        0.00095m (15010924)               461469.19
3775512.34        0.00111m (15010924)
        461519.19   3775512.34        0.00116m (15010924)               461569.19
3775512.34        0.00120m (15010924)
        461619.19   3775512.34        0.00122m (15010924)               461669.19
3775512.34        0.00124m (15010924)
        461719.19   3775512.34        0.00126m (15010924)               461769.19
3775512.34        0.00128m (15010924)
        461819.19   3775512.34        0.00129m (15010924)               461869.19
3775512.34        0.00128m (15010924)
        461919.19   3775512.34        0.00129m (15010924)               461969.19
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3775512.34        0.00130m (15010924)
        462019.19   3775512.34        0.00131m (15010924)               462069.19
3775512.34        0.00132m (15010924)
        462119.19   3775512.34        0.00134m (15010924)               462169.19
3775512.34        0.00135m (15010924)
        462219.19   3775512.34        0.00136m (15010924)               462269.19
3775512.34        0.00137m (15010924)
        462319.19   3775512.34        0.00138m (15010924)               462369.19
3775512.34        0.00139m (15010924)
        462419.19   3775512.34        0.00140m (15010924)               462469.19
3775512.34        0.00142m (15010924)
        462519.19   3775512.34        0.00144m (15010924)               462569.19
3775512.34        0.00145m (15010924)
        462619.19   3775512.34        0.00147m (15010924)               462669.19
3775512.34        0.00149m (15010924)
        462719.19   3775512.34        0.00151m (15010924)               462769.19
3775512.34        0.00154m (15010924)
        462819.19   3775512.34        0.00157m (15010924)               462869.19
3775512.34        0.00160m (15010924)
        462919.19   3775512.34        0.00163m (15010924)               462969.19
3775512.34        0.00168m (15010924)
        463019.19   3775512.34        0.00172m (15010924)               461019.19
3775562.34        0.00061  (15112624)
        461069.19   3775562.34        0.00064  (15112624)               461119.19
3775562.34        0.00067  (15112624)
        461169.19   3775562.34        0.00071  (15112624)               461219.19
3775562.34        0.00078  (15112624)
        461269.19   3775562.34        0.00086m (15010924)               461319.19
3775562.34        0.00099m (15010924)
        461369.19   3775562.34        0.00114m (15010924)               461469.19
3775562.34        0.00142m (15010924)
        461519.19   3775562.34        0.00149m (15010924)               461569.19
3775562.34        0.00153m (15010924)
        461619.19   3775562.34        0.00154m (15010924)               461669.19
3775562.34        0.00157m (15010924)
        461719.19   3775562.34        0.00158m (15010924)               461769.19
3775562.34        0.00160m (15010924)
        461819.19   3775562.34        0.00161m (15010924)               461869.19
3775562.34        0.00161m (15010924)
        461919.19   3775562.34        0.00161m (15010924)               461969.19
3775562.34        0.00162m (15010924)
        462019.19   3775562.34        0.00163m (15010924)               462069.19
3775562.34        0.00164m (15010924)
        462119.19   3775562.34        0.00166m (15010924)               462169.19
3775562.34        0.00167m (15010924)
        462219.19   3775562.34        0.00168m (15010924)               462269.19
3775562.34        0.00170m (15010924)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 , L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 , L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 , L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775562.34	0.00171m	(15010924)	462369.19	3775562.34	0.00172m	(15010924)
462419.19	3775562.34	0.00173m	(15010924)	462469.19	3775562.34	0.00175m	(15010924)
462519.19	3775562.34	0.00177m	(15010924)	462569.19	3775562.34	0.00179m	(15010924)
462619.19	3775562.34	0.00180m	(15010924)	462669.19	3775562.34	0.00182m	(15010924)
462719.19	3775562.34	0.00184m	(15010924)	462769.19	3775562.34	0.00187m	(15010924)
462819.19	3775562.34	0.00190m	(15010924)	462869.19	3775562.34	0.00193m	(15010924)
462919.19	3775562.34	0.00197m	(15010924)	462969.19	3775562.34	0.00202m	(15010924)
463019.19	3775562.34	0.00207m	(15010924)	461019.19	3775612.34	0.00065	(15112624)
461069.19	3775612.34	0.00068	(15112624)	461119.19	3775612.34	0.00073	(15112624)
461169.19	3775612.34	0.00078	(15112624)	461219.19	3775612.34	0.00086	(15112624)
461269.19	3775612.34	0.00099	(15112624)	461319.19	3775612.34	0.00118m	(15010924)
461369.19	3775612.34	0.00147m	(15010924)	461469.19	3775612.34	0.00209m	(15010924)

```
        461519.19   3775612.34        0.00218m (15010924)               461569.19
3775612.34        0.00220m (15010924)
        461619.19   3775612.34        0.00222m (15010924)               461669.19
3775612.34        0.00224m (15010924)
        461719.19   3775612.34        0.00224m (15010924)               461769.19
3775612.34        0.00226m (15010924)
        461819.19   3775612.34        0.00227m (15010924)               461869.19
3775612.34        0.00227m (15010924)
        461919.19   3775612.34        0.00228m (15010924)               461969.19
3775612.34        0.00226m (15010924)
        462019.19   3775612.34        0.00228m (15010924)               462069.19
3775612.34        0.00228m (15010924)
        462119.19   3775612.34        0.00231m (15010924)               462169.19
3775612.34        0.00232m (15010924)
        462219.19   3775612.34        0.00235m (15010924)               462269.19
3775612.34        0.00237m (15010924)
        462319.19   3775612.34        0.00239m (15010924)               462369.19
3775612.34        0.00240m (15010924)
        462419.19   3775612.34        0.00242m (15010924)               462469.19
3775612.34        0.00243m (15010924)
        462519.19   3775612.34        0.00246m (15010924)               462569.19
3775612.34        0.00248m (15010924)
        462619.19   3775612.34        0.00250m (15010924)               462669.19
3775612.34        0.00252m (15010924)
        462719.19   3775612.34        0.00254m (15010924)               462769.19
3775612.34        0.00257m (15010924)
        462819.19   3775612.34        0.00259m (15010924)               462869.19
3775612.34        0.00262m (15010924)
        462919.19   3775612.34        0.00267m (15010924)               462969.19
3775612.34        0.00273m (15010924)
        463019.19   3775612.34        0.00278m (15010924)               461019.19
3775662.34        0.00068  (15112624)
        461069.19   3775662.34        0.00073  (15112624)               461119.19
3775662.34        0.00078  (15112624)
        461169.19   3775662.34        0.00085  (15112624)               461219.19
3775662.34        0.00096  (15112624)
        461269.19   3775662.34        0.00111  (15112624)               461319.19
3775662.34        0.00141m (15010924)
        461369.19   3775662.34        0.00210m (15010924)               461469.19
3775662.34        0.00468  (16121124)
        461519.19   3775662.34        0.00470  (16121124)               461569.19
3775662.34        0.00469  (16121124)
        461619.19   3775662.34        0.00471  (16121124)               461669.19
3775662.34        0.00477  (16121124)
        461719.19   3775662.34        0.00483  (16121124)               461769.19
3775662.34        0.00488  (16121124)
        461819.19   3775662.34        0.00493  (16121124)               461869.19
3775662.34        0.00497  (16121124)
        461919.19   3775662.34        0.00502  (16121124)               461969.19
3775662.34        0.00510  (16121124)
```

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0039534 , L0039535 , L0039536 , L0039537 , L0039538 , L0039539 , L0039540 , L0039541 , L0039542 , L0039543 , L0039544 , L0039545 , L0039546 , L0039547 , L0039548 , L0039549 , L0039550 , L0039551 , L0039552 , L0039553 , L0039554 , L0039555 , L0039556 , L0039557 , L0039558 , L0039559 , L0039560 , L0039561 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462319.19	3775662.34	0.00547	(16121124)	462369.19	3775662.34	0.00556	(16121124)
462419.19	3775662.34	0.00564	(16121124)	462469.19	3775662.34	0.00573	(16121124)
462519.19	3775662.34	0.00583	(16121124)	462569.19	3775662.34	0.00588	(16121124)
462619.19	3775662.34	0.00590	(16121124)	462669.19	3775662.34	0.00590	(16121124)
462719.19	3775662.34	0.00589	(16121124)	462769.19	3775662.34	0.00589	(16121124)
462819.19	3775662.34	0.00589	(16121124)	462869.19	3775662.34	0.00591	(16121124)
462919.19	3775662.34	0.00597	(16121124)	462969.19	3775662.34	0.00605	(16121124)
463019.19	3775662.34	0.00611	(16121124)	461369.19			

3775912.34 0.00335m (15010924)
  461146.60 3775743.55 0.00087 (15112624) 464042.43
3776049.67 0.01362m (13112024)
  463968.06 3776150.13 0.00740m (15010924) 463914.57
3776284.52 0.00323 (13120724)
  464138.68 3776345.34 0.00250m (15010924) 464188.68
3776345.34 0.00251 (12120224)
  464238.68 3776345.34 0.00271 (12120224) 464288.68
3776345.34 0.00269 (12120224)
  464338.68 3776345.34 0.00273m (16031424) 464388.68
3776345.34 0.00268m (16031424)
  464438.68 3776345.34 0.00257m (16031424) 464488.68
3776345.34 0.00218m (16031424)
  464538.68 3776345.34 0.00211m (16031424) 464588.68
3776345.34 0.00186m (16031424)
  464138.68 3776395.34 0.00217m (15010924) 464188.68
3776395.34 0.00216 (12120224)
  464238.68 3776395.34 0.00246 (12120224) 464288.68
3776395.34 0.00250 (12120224)
  464338.68 3776395.34 0.00264 (12120224) 464388.68
3776395.34 0.00257m (16031424)
  464438.68 3776395.34 0.00260m (16031424) 464488.68
3776395.34 0.00225m (16031424)
  464538.68 3776395.34 0.00235m (16031424) 464588.68
3776395.34 0.00223m (16031424)
  464138.68 3776445.34 0.00190m (15010924) 464188.68
3776445.34 0.00186 (12120224)
  464238.68 3776445.34 0.00224 (12120224) 464288.68
3776445.34 0.00233 (12120224)
  464338.68 3776445.34 0.00253 (12120224) 464388.68
3776445.34 0.00260m (16031424)
  464438.68 3776445.34 0.00264m (16031424) 464488.68
3776445.34 0.00238m (16031424)
  464538.68 3776445.34 0.00253m (16031424) 464588.68
3776445.34 0.00246m (16031424)

                                       *** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

```
                        NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.01267 AT (  463987.12,  3775664.91,   417.53,
  417.53,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01241 AT (  463937.12,  3775664.91,   417.86,
  417.86,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01149 AT (  464037.12,  3775664.91,   417.30,
  417.30,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01145 AT (  463887.12,  3775664.91,   418.38,
  418.38,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00962 AT (  463837.12,  3775664.91,   418.61,
  418.61,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00951 AT (  464087.12,  3775664.91,   416.97,
  416.97,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00856 AT (  464042.43,  3776049.67,   423.40,
  423.40,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00839 AT (  464137.12,  3775664.91,   416.37,
  416.37,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00778 AT (  463787.12,  3775664.91,   418.70,
  418.70,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00690 AT (  464187.12,  3775664.91,   415.50,
  415.50,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Olive Grove
Rialto\Olive Grove Rialto.isc       ***        01/16/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:08

                                  PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
              **

                                                      DATE
                                        NETWORK
```

GROUP ID AVERAGE CONC (YYMMDDHH) RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- - - -

```
*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            7 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    9748       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187    9748       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
15010101
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

HARP2 - HRACalc (dated 19044) 1/19/2021 3:32:39 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.9

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.9
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\PM10_Olive Grove_Construction_Tier 4 EquipmentCancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\PM10_Olive Grove_Construction_Tier 4 EquipmentNCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\PM10_Olive Grove_Construction_Tier 4 EquipmentNCAcuteRisk.csv
HRA ran successfully

*HARP - HRACalc v19044 1/19/2021 3:32:39 PM - Cancer Risk - Input File: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\PM10_Olive Grove_Construction_Tier 4 EquipmentHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI
1			9901	DieselExhPM	0.01267	2.05E-06	0.9YrCancerDerived_Inh_FAH16to70	*	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	0.9YrCancerDerived_Inh_FAH16to70	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/19/2021 3:32:39 PM - Chronic Risk - Input File: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\PM10_Olive Grove_Construction_Tier 4 EquipmentHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO
1			9901	DieselExhPM	0.01267	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/19/2021 3:32:39 PM - Acute Risk - Input File: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\PM10_Olive Grove_Construction_Tier 4 EquipmentHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.04512	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-02	0.00E+00	1.80E-02	0.00E+00	0.00E+00

APPENDIX C

BIOLOGICAL RESOURCES REPORTS

ROCKS
BIOLOGICAL CONSULTING

OLIVE AVENUE DEVELOPMENT PROJECT

BIOLOGICAL RESOURCES REPORT

San Bernardino County, California

May 24, 2021

Prepared for:
Kimley-Horn and Associates, Inc.
401 B Street #600
San Diego, CA 92101
(858) 234-2400

Prepared by:
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4312 Rialto Street
San Diego, CA 92107
(619) 701-6798

TABLE OF CONTENTS

1. Summary 1
2. Introduction 1
3. Methods 3
4. Results 6
5. Impacts 14
6. Minimization and Avoidance Measures 17
7. Conclusion 18
8. References 19

TABLES

Table 1. Building Site Summary 2
Table 2: Special-Status Plant and Wildlife Species – Potential for Occurrence 7
Table 3. Potential Project Impacts on Vegetation Communities/Land Uses 15

FIGURES

Figure 1 – Project Location
Figure 2 – Survey Area
Figure 3 – CNDDB/USFWS Results
Figure 4 – Soils
Figure 5 – Biological Resources

APPENDICES

Appendix A – Regulatory Framework
Appendix B – Site Photographs
Appendix C – Plant and Wildlife Species Observed
Appendix D – Olive Avenue Development Project Burrowing Owl Survey Report
Appendix E – Olive Avenue Development Project Coastal California Gnatcatcher Survey Report
Appendix F – Olive Avenue Development Project San Bernardino Kangaroo Rat Survey Report

1 SUMMARY

This report summarizes the results of a biological resources assessment Rocks Biological Consulting (RBC) conducted for the Olive Avenue Development Project (project) in the City of Rialto, San Bernardino County, California (Figures 1, 2). The approximately 34.27-acre project site is a largely disturbed area composed of disked roadways, patches of non-native grassland, and disturbed Riversidean sage scrub (Figure 5). None of these habitat types are considered to be rare. The site does not provide habitat expected to support special-status plant species, nor have special-status plant species been observed in floristic surveys conducted previously (DEIR 2010).

The site supports suitable foraging habitat for one California Department of Fish and Wildlife (CDFW) Species of Special Concern (SSC), burrowing owl (*Athene cunicularia*), and has moderate potential to support breeding of the species. The site has low potential to support the San Bernardino kangaroo rat (*Dipodomys merriami parvus;* federally and state-listed as endangered) and the coastal California gnatcatcher (*Polioptila californica californica*; federally listed as threatened). The site has no potential to support the Delhi Sands flower-loving fly (*Raphiomidas terminatus abdominalis*; federally listed as endangered).

The site does not support riparian habitat types, waters, or non-wetland waters that could be considered to be jurisdictional by the United States Army Corps of Engineers (Corps), Santa Ana Regional Water Quality Control Board (RWQCB), or the CDFW.

The proposed project would permanently impact approximately 31.34 acres through the construction of buildings and associated parking. Impacts on biological resources would be less-than significant with implementation of pre-construction surveys for burrowing owl and avoidance of vegetation clearing and ground disturbing activities during the nesting season (February 1 to August 31), as outlined in this report.

2 INTRODUCTION

2.1 PROJECT LOCATION

The approximately 34.27-acre project site is located in the City of Rialto, San Bernardino County, California (Figure 1). The site is bounded by Base Line Road to the south, Cactus Avenue to the east, Fitzgerald Avenue to the west and Jerry Eaves Park to the north (Figure 2).

2.2 PROJECT OVERVIEW

PR/CHI Olive Grove, LLC (Owner) is proposing to develop an existing vacant property (location as referenced above) that would include the construction of a campus oriented industrial project with two primary, divisible buildings consisting of approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,741 square feet of warehouse space for a total of 679,607 square feet on approximately 31.08 net acres. The Owner is proposing to split the existing property (referenced as Assessor Parcel No. (APN) 0264-213-18) from one large lot into two lots to allow for each of the two proposed buildings to each have their own legal parcel. Building 1 (west building) and Building 2 (east building) have been architecturally

designed to allow for multiple units in various increments based on tenant demand. Building 1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings.

The City requires that based on the uses being proposed by the Owner, the project would require 414 automobile parking spaces. The project proposes 505 automobile parking spaces, as well as 122 total trailer parking spaces. Table 1, Buidling Site Summary, summarizes the automobile and loading docks required by the City and proposed for each building.

Table 1. Building Site Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump	Total Building (sf)	Automobile Parking Stalls		Loading Docks Required	Loading Docks Provided
					Required	Provided		
Building 1	425,148	5,000	433	430,581	256	308	7	48
Building 2	243,593	5,000	433	249,026	158	197	5	31

The proposed buildings are currently planned as “speculative buildings”, meaning that there are not business uses identified for the buildings. Without knowing the specifics in terms of the future tenants or buyers, the project is mandated to provide the parking (auto and trailer parking) as shown in Table 1. Therefore, the Environmental Impact Report (EIR) and associated technical reports will use the City approved numbers of the approximate potential on-site employees, hours of operation, and vehicular traffic generation based on the project’s proposed square footage and use as warehouse buildings as dictated by the City guidelines.

2.3 SCOPE OF WORK

This report provides and analysis of impacts on biological resources associated with the proposed project in the context of County of San Bernardino (County) Land Use Regulations, the California Environmental Quality Act (CEQA; Public Resources Code § 21000 et seq.), and state and federal regulations such as the federal Endangered Species Act (ESA; 16 U.S. Code [USC] § 1531 et seq.), Clean Water Act (CWA; 33 USC § 1252 et seq.), and the California Fish and Game Code (CFGC). A Draft Environmental Impact Report (DEIR) was previously prepared for the project (Golder Associates, Inc. 2010).

For this analysis, the following tasks were performed: (1) General biological surveys; (2) Vegetation mapping; (3) Habitat assessments for special-status species, including coastal California gnatcatcher and Delhi Sands flower-loving fly; and (4) Focused surveys for burrowing owl surveys; (5) United States Fish and Wildlife Service (USFWS) protocol surveys for San Bernardino kangaroo rat; and (6) A reconnaissance-level assessment for aquatic resources that are potentially jurisdictional under the Corps pursuant to Section 404 of the CWA, under the RWQCB pursuant to section 401 of the CWA and the Porter-Cologne Water Quality Control Act (Porter-Cologne Act; Water Code Section 13000 et seq.), and under CDFW pursuant to Section 1602 of the CFGC.

2.4 EXISTING CONDITIONS

The project site was previously disked along disturbed roadways and is composed of hard-packed soil, gravel, and cobble (Figure 5). Remaining areas are composed of non-native grassland habitat dominated by filaree (*Erodium botrys*), ripgut brome (*Bromus diandrus*), red brome (*Bromus rubens*), and slender wild oats (*Avena barbata*). The site also supports areas of disturbed Riversidean sage scrub dominated by California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum*), and deerweed (*Acmispon glaber*). Site photographs are presented in Appendix B.

2.5 REGULATORY FRAMEWORK

Several regulations, listed below, have been established by federal, state, and local agencies to protect and conserve biological resources. Detailed descriptions of agency regulations that may be applicable to the project are provided in Appendix A.

Federal Regulations

- Federal Endangered Species Act
- Migratory Bird Treaty Act (MBTA), note proposed rule change January 30, 2020
- Rivers and Harbors Appropriation Act of 1899
- Clean Water Act

State Regulations

- California Endangered Species Act
- California Environmental Quality Act
- Native Plant Protection Act and Natural Community Conservation Planning Act
- California Fish and Game Code Sections 1600-1602
- California Fish and Game Code Sections 3503, 3511, 3513, 3800, 4700, 5050, and 5515
- Porter-Cologne Water Quality Control Act

Regional and Local Plans

- County of San Bernardino Land Use Services, Planning Division

3 METHODS

RBC visited the project site on April 15, 2019 to conduct general biological surveys, vegetation mapping, habitat assessments for special-status plant and wildlife species including the burrowing owl, coastal California gnatcatcher, Delhi Sands flower-loving fly, and the San Bernardino kangaroo rat, and examine the potential for jurisdictional wetlands/waters of the U.S. The biological study area includes the entire 34.27-acre project site plus a 100-foot buffer around the site.

3.1 BIOLOGICAL RESOURCE DATABASE REVIEW

RBC queried the CDFW's California Natural Diversity Database (CNDDB) (CDFW 2019) and the database of threatened/endangered USFWS species (USFWS 2019) for a one-mile radius around

the project site. RBC queried the California Native Plant Society (CNPS) Electronic Inventory (CNPS 2019) for the nine USGS 7.5-minute quadrangles surrounding the project site for the elevation range of 1,100 to 1,500 feet above median sea level. RBC also queried the Natural Resources Conservation Service (NRCS) (USDA 2019) for the soils present within the project site and consulted the County of San Bernardino's Biotic Resources Overlay Map (County of San Bernardino 2012) for biotic resources overlay zones within the project site and biological resources with potential to occur within the project site. Lastly, RBC reviewed the Manual of California Vegetation Online (CDFW, https://wildlife.ca.gov/Data/VegCAMP/Related accessed January 2020) to determine ranking of the natural communities present on-site.

3.2 VEGETATION MAPPING AND GENERAL PLANT AND WILDLIFE SURVEYS

RBC conducted a general field survey on April 15, 2019 by walking transects spaced 7-10 meters (20-30 feet) through the project area and a 100-foot buffer. Binoculars (10 x 42) were used to aid in the observation of avian species during the survey. Plants were identified using The Jepson Manual 2nd Edition (Baldwin et al. 2012) and local botanical knowledge. All plant and wildlife species observed on the project site are presented in Appendix C.

Vegetation mapping took place directly on a 150-scale (1" = 150') aerial photograph following *Preliminary Descriptions of the Terrestrial Natural Communities of California* (Holland 1986). RBC mapped vegetation within the project site and identified flora and fauna for inclusion in plant and wildlife compendia for the project site. We also compared our results to current CDFW lists of Natural Communities to determine if any communities present are classified as sensitive.

3.3 BURROWING OWL HABITAT ASSESSMENT AND SURVEYS

RBC assessed burrowing owl (BUOW) habitat in accordance with the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012; referred to herein as the Guidelines). Suitable burrowing owl habitat can be found in annual and perennial grasslands, deserts, and scrublands characterized by low-growing vegetation (Zarn 1974). Suitable owl habitat may also include trees and shrubs if the canopy covers less than 30 percent of the ground surface. Burrows are the essential component of burrowing owl habitat; both natural and artificial burrows provide protection, shelter, and nests for burrowing owl (Henny and Blus 1981). Burrowing owls typically use burrows made by rodents, such as ground squirrels, or badgers but may also use human-made structures, such as concrete culverts; concrete, asphalt, or wood debris piles; or openings beneath concrete or asphalt pavement.

In accordance with the Guidelines, RBC conducted four protocol presence/absence burrowing owl surveys during the breeding season (February 1 to August 31). RBC conducted the surveys at least three weeks apart with one survey conducted between February 15 and April 15, and one survey conducted after June 15. RBC did not conduct surveys during rain, dense fog, or in winds greater than 20 miles per hour.

RBC walked transects spaced 7-20 meters (20-60 feet) apart through the project site searching for BUOW, active and potential burrows, and/or BUOW sign. RBC examined all suitable burrows for

sign, including feathers, pellets, whitewash, and/or prey remains. RBC considered a burrow active if evidence of recent sign was present.

3.4 COASTAL CALIFORNIA GNATCATCHER HABITAT ASSESSMENT AND SURVEYS

Coastal California gnatcatchers are year-round residents of southern California found in the six southernmost California counties (Ventura, Los Angeles, Orange, Riverside, San Bernardino, and San Diego) located within the coastal plain. The species typically occur in coastal sage scrub communities dominated by California sagebrush and California buckwheat. This species is typically found in stands of sage scrub that have moderate shrub canopy cover, generally greater than 50 percent (Beyers and Wirts 1997). Gnatcatcher will use sparsely vegetated sage scrub as long as perennial shrubs are available, although there appears to be a minimum cover threshold below which the habitat becomes unsuitable (USFWS 2007). RBC conducted a habitat assessment by surveying for suitable sage scrub habitat on-site.

On September 9, 2019, RBC sent a pre-survey notification letter to the Carlsbad USFWS field office stating the intent to conduct coastal California gnatcatcher surveys for the proposed project. Survey methodology followed the USFWS protocol for non-NCCP areas, which requires nine protocol surveys during the non-breeding season (September 1 to February 14), spaced at least two weeks apart (USFWS 1997).

RBC biologists Ian Hirschler (authorized under TE-063230-5.4) and Sarah Krejca (TE-99413B-0) conducted nine surveys between September 12, 2019 and January 2, 2020 within all suitable habitat within the project site. RBC used taped vocalizations to elicit a gnatcatcher response.

3.5 DELHI SANDS FLOWER-LOVING FLY HABITAT ASSESSMENT

Delhi Sands flower-loving fly is most commonly observed in sandy areas composed of Delhi fine sand with sparse cover of native shrubs (USFWS 2008). The primary nectar source for the Delhi Sands flower-loving fly is California buckwheat (USFWS 1997). Since several historical occurrences occur within one mile of the project site, RBC conducted a habitat assessment by surveying for suitable Delhi fine sand soil and potential Delhi Sands flower-loving fly nectar sources within the project site. No focused surveys for Delhi Sands flower-loving fly were conducted.

3.6 SAN BERNARDINO KANGAROO RAT HABITAT ASSESSMENT AND SURVEYS

San Bernardino kangaroo rat (SBKR) is most commonly associated with alluvial fan scrub habitat (USFWS 2009). Alluvial fan scrub is a subtype of Riversidean sage scrub, though with more riparian species (Holland 1986). The habitat type generally occurs on xeric sites with severely drained soils. Since SBKR has multiple historic occurrences within one mile of the project site, RBC conducted a habitat assessment by surveying for suitable habitat, suitable burrows, and SBKR sign (e.g., tail drags, scat, or seed caches).

On September 11, 2019, RBC sent a pre-survey notification letter to the Carlsbad USFWS field office stating the intent to conduct SBKR surveys for the proposed project. A live-trapping survey

was carried out over five consecutive nights from September 22-27, 2019. The live trapping effort used large (3 x 3.75 x12") Sherman live-traps with doors shortened to avoid tail damage. RBC set 200 traps throughout potential SBKR habitat. Traps were open and baited with bird seed within one hour of sunset and checked in the morning. Any animals caught were identified and immediately released. RBC accrued a total of 1,000 trap-nights during the field survey. A trap-night is defined as the number of traps set multiplied by the number of daily trap periods (Hoffmann et al. 2010). Dr. Phil Brylski (TE-148555-2) conducted the trapping.

3.7 INITIAL AQUATIC RESOURCE ASSESSMENT

RBC conducted a reconnaissance-level assessment to identify potential areas that may be considered jurisdictional under the Corps pursuant to Section 404 of the CWA; jurisdictional under the RWQCB pursuant to Section 401 of the CWA and the Porter-Cologne Act; and streambed and riparian habitats under the CDFW pursuant to CFGC 1602. No formal jurisdictional delineation was conducted as part of this effort.

4 RESULTS

4.1 VEGETATION MAPPING AND GENERAL PLANT AND WILDLIFE SURVEY RESULTS

The study area is approximately 34.27 acres and is composed of developed land (2.74 acres), disturbed land (7.83 acres), disturbed Riversidean sage scrub (17.09 acres), eucalyptus woodland (0.27 acres), non-native grassland (3.79 acres), and ruderal habitat (2.55 acres). The six vegetation communities/land uses that occur within the project site or its adjacent buffer are detailed below and shown on Figure 5.

DEVELOPED

Developed areas within the study area are composed of sidewalk and portions of Base Line Road.

DISTURBED

Disturbed habitat is present throughout the project site. Disturbed areas have been physically altered and are no longer recognizable as a native or naturalized vegetation association. Disturbed habitat on-site includes the disked roadways between patches of vegetation.

DISTURBED RIVERSIDEAN SAGE SCRUB

Riversidean sage scrub on-site is fairly open, dominated by low-growing shrubs. The dominant species observed included California sagebrush, with sparse inclusions of California buckwheat and brittlebrush (*Encelia farniosa*). All Riversidean sage scrub within the project site shows evidence of past disturbance, including related fire break maintenance.

EUCALYPTUS WOODLAND

Eucalyptus woodland is typically characterized by dense stands of gum trees (*Eucalyptus* spp.) that are native to Australia. The eucalytpus woodland within the survey area consists primarily of

canopy cover and occurs along the northern boundary of the project site bordering Jerry Eaves Park, located within the buffer to the project site.

NON-NATIVE GRASSLAND

Non-native grassland generally occurs on fine-textured loam or clay soils that are moist during winter rainy season and very dry during the summer and fall (Holland 1986). Non-native grassland habitat within the project site is dominated non-native, invasive grasses including red brome, ripgut brome, and slender wild oat, as well as noxious, invasive weeds such as long-beak filaree and short-pod mustard (*Hirschfeldia incana*).

RUDERAL HABITAT

Ruderal vegetation is typically found in areas with previous disturbance from vegetation clearing, development, or agricultural activities, and which contain vegetative cover that is comprised of more than 50 percent broad-leaved, non-native species. Ruderal areas are dominated by short pod mustard, tocalote (*Centaurea melitensis*), and tumbleweed (*Salsola australis*).

4.2 SPECIAL-STATUS SPECIES HABITAT ASSESSMENTS, FOCUSED SPECIES SURVEY, AND DATABASE REVIEW RESULTS

The CNDDB results included historical occurrences of three special-status plant species, eight special-status wildlife species, and one record of a historically mapped sensitive vegetation community within one mile of the project site (Figure 3A; Table 1). The USFWS results included a historical occurrence of one additional special-status plant species and two additional special-status wildlife species within one mile of the project site (Figure 3B). The CNPS electronic inventory search results included an additional 46 plant species with a California Rare Plant Ranking (CRPR).

Based on database review results, habitat assessments and select focused species surveys, five CRPR listed plant species have a moderate potential to occur on-site. One CDFW species of special concern, the burrowing owl, and one CDFW watch list species, the horned lark, were observed on-site (Table 1). No federally or state-listed endangered species were detected on site or have a moderate or high potential for occurrence on-site. A list of plant and wildlife species observed within the project site is included as Appendix C.

Table 2: Special-Status Plant and Wildlife Species – Potential for Occurrence

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
Plants			
Brand's star phacelia (*Phacelia stellaris*)	CRPR 1B.1	Annual herb. Blooms Mar-Jun. Coastal strand, coastal sage scrub. Elev. 0-230 ft.	None. Suitable habitat not present on-site.

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
California muhly (*Muhlenbergia californica*)	CRPR 4.3	Perennial rhizomatous grass. Blooms Jun-Sep. Chaparral, yellow-pine forest, coastal sage scrub, wetland/riparian.	Low. Suitable habitat minimal on-site.
California satintail (*Imperata brevifolia*)	CRPR 2B.1	Perennial grass. Blooms Sep-May. Chaparral, coastal sage scrub, creosote bush scrub, wetland/riparian.	Low. Suitable habitat minimal on-site.
Catalina mariposa-lily (*Calochortus catalinae*)	CRPR 4.2	Perennial bulbiferous herb. Blooms Mar-Jun. Chaparral, cismontane woodlands, coastal scrub, valley/foothill grasslands. Elev 49-2,296 ft.	Moderate. Suitable scrub habitat occurs on-site.
Chaparral ragwort (*Senecio aphanactis*)	CRPR 2B.2	Annual herb. Blooms Jan-Apr. Foothill woodland, northern coastal scrub, coastal sage scrub. Elev 425-2,165 ft.	Low. Suitable habitat minimal on-site.
Chaparral sand-verbena (*Abronia villosa* var. *aurita*)	CRPR 1B.1	Annual herb. Blooms Jan-Sep. Creosote bush scrub. Elev 50-4,985 ft.	None. Suitable habitat not present on-site.
Coulter's matilija poppy (*Romneya coulteri*)	CRPR 4.2	Perennial rhizomatous herb. Blooms Mar-Jul. Chaparral, coastal sage scrub. Elev 50-3,020 ft.	None. Suitable habitat not present on-site.
Little mousetail (*Myosaurus minimus* ssp. *apus*)	CRPR 3.1	Annual herb. Blooms Mar-Jun. Valley grassland, coastal sage scrub, freshwater wetland, wetland/riparian. Elev 100-5,250.	None. Mesic habitats necessary for this species do not exist on-site.
Many-stemmed dudleya (*Dudleya multicaulis*)	CRPR 1B.2	Perennial herb. Blooms Apr-Jul. Chaparral, valley grassland, coastal sage scrub. Elev 50-855 ft.	Low. Project site outside elevation range.
Mesa horkelia (*Horkelia cuneata* var. *puberula*)	CRPR 1B.1	Found in sandy or gravelly soils in maritime chaparral, cismontane woodland, and coastal scrub.	None. Suitable habitat not present on-site.

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
Nevin's barberry (*Berberis nevinii*)	FE, SE, CRPR 1B.1	Perennial evergreen shrub. Blooms Feb-Jun. Chaparral, cismontane woodland, coastal scrub, and riparian scrub. Elev 230-2,705 ft.	None. Would have been observed if present.
Ocellated Humboldt lily (*Lilium humboldtii* ssp. *ocellatum*)	CRPR 4.2	Perennial bulbiferous herb. Blooms Mar-Jul. Chaparral, foothill woodland, yellow pine forest. Elev 1,050-5,545 ft.	None. Suitable habitat not present on-site.
Parish's bush mallow (*Malacothamnus parishii*)	CRPR 1A	Found in chaparral and sage scrub.	None. Suitable habitat not present on-site.
Parish's desert-thorn (*Lycium parishii*)	CRPR 2B.3	Found in creosote bush scrub and coastal sage scrub.	None. Suitable habitat not present on-site.
Parry's spineflower (*Chorizanthe parryi* var. *parryi*)	CRPR 1B.1	Annual herb. Blooms Apr-Jun. Chaparral, cismontane woodland, coastal scrub, and valley/foothill grassland. Elev 900-4,000 ft.	Moderate. Suitable scrub habitat present on-site.
Peninsular spineflower (*Chorizanthe leptotheca*)	CRPR 4.2	Annual herb. Blooms May-Aug. Chaparral, coastal scrub, lower montane coniferous forest. Elev 984-6,233 ft.	Moderate. Suitable scrub habitat present on-site.
Plummer's mariposa-lily (*Calochortus plummerae*)	CRPR 4.2	Perennial bulbiferous herb. Blooms May-Jul. Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, valley/foothill grassland. Elev 330-5,580 ft.	Moderate. Suitable scrub habitat present on-site.
Pringle's monardella (*Monardella pringlei*)	CRPR 1A	Annual herb. Blooms May-Jun. Coastal scrub (sandy). Elev 980-1,310 ft.	None. Known from only two locations near Colton, CA, last seen in 1941.
Prostrate vernal pool navarretia (*Navarretia prostrata*)	CRPR 1B.1	Annual herb. Blooms Apr-Jul. Coastal sage scrub, wetland/riparian. Elev 65-490 ft.	None. No vernal pools on-site.

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*)	CRPR 4.3	Annual herb. Blooms Jan-Jul. Chaparral and coastal sage scrub. Elev 3-2,905 ft.	Low. Suitable habitat minimal on-site.
Salt spring checkerbloom (*Sidalcea neomexicana*)	CRPR 2B.2	Perennial herb. Blooms Mar-Jun. Creosote bush scrub, chaparral, yellow pine forest, coastal sage scrub, alkali sink, wetland/riparian.	None. Suitable alkaline meadows not present on-site.
Santa Ana River woolly star (*Eriastrum densifolium* ssp. *sanctorum*)	FE, SE, CRPR 1B.1	Found in chaparral and coastal sage scrub.	None. Suitable habitat not present on-site.
Short-joint beavertail (*Opuntia basilaris* var. *brachyclada*)	CRPR 1B.2	Stem succulent shrub. Blooms Apr-Jun. Creosote bush scrub, chaparral, Joshua Tree woodland, pinyon-juniper woodland. Elev 1,870-5,380 ft.	None. Would have been observed if present.
Singlewhorl burrobrush (*Ambrosia monogyra*)	CRPR 2B.2	Perennial shrub. Blooms Aug-Nov. Sandy chaparral, Sonoran Desert scrub. Elev 32-1,640 ft.	None. Would have been observed if present.
Slender-horned spineflower (*Dodecahema leptoceras*)	FE, SE, CRPR 1B.1	Annual herb. Blooms Apr-Jun. Sandy soils in chaparral, cismontane woodland, alluvial fan coastal scrub. Elev 655-2,490 ft.	None. Suitable habitat not present on-site.
Smooth tarplant (*Centromadia pungens* ssp. *laevis*)	CRPR 1B.1	Annual herb. Blooms Apr-Sep. Chenopod scrub, meadows and seeps, playas, riparian woodland, valley/foothill grassland. Elev 0-2,100 ft.	Moderate. Suitable scrub habitat present on-site.
Southern California black walnut (*Juglans californica*)	CRPR 4.2	Tree. Blooms Mar-Jun. Southern oak woodland, wetland/riparian. Elev 245-4,890 ft.	None. Would have been observed if present.

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
Thread-leaved brodiaea (*Brodiaea filifolia*)	FT, SE, CRPR 1B.1	Perennial bulbiferous herb. Blooms Mar-Jun. Valley grassland, foothill woodland, coastal sage scrub, freshwater wetland, wetland/riparian. Elev 130-3,640 ft.	Low. Suitable habitat minimal on-site.
Western spleenwort (*Asplenium vespertinum*)	CRPR 4.2	Perennial rhizomatous herb. Visible Feb-Jun. Chaparral, cismontane woodland, coastal scrub. Elev 590-3,280 ft.	None. Suitable habitat not present on-site.
White-bracted spineflower (*Chorizanthe xanti* var. *leucotheca*)	CRPR 1B.2	Annual herb. Blooms Apr-Jun. Creosote bush scrub, pinyon-juniper woodland. Elev 1,805-2,985 ft.	None. Suitable habitat not present on-site.
Woolly chaparral-pea (*Pickeringia montana* var. *tomentosa*)	CRPR 4.3	Shrub. Blooms May-Aug. Chaparral, coastal sage scrub. Elev 655-4,165 ft.	None. Would have been observed if present.
Wildlife			
Invertebrates			
Delhi Sands flower-loving fly (*Rhaphiomidas terminatus abdominalis*)	FE	Found in sandy areas composed of Delhi Fine Sands, stabilized by sparse native vegetation.	None. Delhi Fine Sands are not present on-site.
Reptiles			
Coast horned lizard (*Phrynosoma blainvillii*)	SSC	Inhabits open areas of sandy soil and low vegetation in grasslands, coniferous forests, woodlands, and chaparral. Often found in sandy washes and along dirt roads.	Low. Suitable habitat is minimal on-site.
Silvery legless lizard (*Anniella pulchra pulchra*)	SSC	Found in moist warm loose soil with plant cover. Occurs in sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces.	None. Suitable habitat not present on-site.

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
Southern rubber boa (*Charina umbratica*)	ST	Found in oak-conifer and mixed-conifer forests at elevations between 5,000 to 8,200 feet.	None. Suitable habitat not on-site.
Birds			
Burrowing owl (*Athene cunicularia*)	SSC	Found in grasslands and open scrub from coast to foothills. Strongly associated with California ground squirrel and other fossorial mammal burrows.	Present. Single owl wintering on-site. Moderate nesting potential occurs on-site.
California horned lark (*Eremophila alpestris*)	WL	Found from coastal deserts and grasslands to alpine dwarf-shrub habitat above treeline. Also seen in coniferous or chaparral habitats.	Present. Species documented foraging on-site.
Coastal California gnatcatcher (*Polioptila californica californica*)	FT, SSC	Inhabits sage scrub dominated by California sagebrush and flat-top buckwheat.	Low. Riversidean sage scrub on-site is disturbed and low quality. Not observed during protocol surveys.
Least Bell's vireo (*Vireo bellii pusillus*)	FE, SE	Found primarily in riparian forests and woodlands; also found in oak woodlands and mesquite brushlands often near water.	None. Suitable riparian habitat not present on-site.
Mammals			
Los Angeles pocket mouse (*Perognathus longimembris brevinasus*)	SSC	Found in Riversidean sage scrub, alluvial fan scrub, desert scrub or grassland on sandy soils, generally adjacent to sandy washes or windblown sand.	Low. Suitable habitat minimal on-site.
Pocketed free-tailed bat (*Nyctinomops femorosaccus*)	SSC	Found in pinyon-juniper woodlands, desert scrub, desert riparian, desert wash, Joshua tree, and palm oasis. Roosts in cave, rock crevices in cliff faces, and man-made structures.	None. Suitable habitat not present on-site.

Species	Status	Habitat Description	Potential for Occurrence Within Project Site
San Bernardino kangaroo rat (*Dipodomys merriami parvus*)	FE; SSC	Found on the gentle slopes of alluvial fans, on flood plains, along washes, and on adjacent upland areas, including alluvial sage scrub, coastal sage scrub, and chaparral.	Low. Suitable habitat minimal on-site. Not observed during protocol surveys.

California Rare Plant Rank (CRPR) Definitions		
California Rare Plant Rank (CRPR)	1A	presumed extirpated in California and rare or extinct elsewhere
	1B	rare, threatened, or endangered in California and elsewhere
	2A	presumed extirpated in California but more common elsewhere
	2B	rare, threatened, or endangered in California but more common elsewhere
	3	plants for which more information needed
	4	plants of limited distribution
CRPR Threat Ranks	0.1	Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
	0.2	Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
	0.3	Not very threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)
Endangered Species Act (ESA)		
FE: Endangered Species Act Federally Endangered Species FT: Endangered Species Act Federally Threatened Species		
California Endangered Species Act (CESA)		
SE: California Endangered Species Act State Endangered Species ST: California Endangered Species Act State Threatened Species		
California Department of Fish and Wildlife (CDFW)		
SSC: California Department of Fish and Wildlife Species of Special Concern WL: California Department of Fish and Wildlife Watch List Species		

4.2.2 BURROWING OWL SURVEY RESULTS

No burrowing owl individuals or burrowing owl sign were observed within the project site during protocol presence/absence surveys conducted between April 15, 2019 and June 17, 2019 (Appendix D); however, a single burrowing owl was flushed from a burrow on-site during a coastal California gnatcatcher survey on December 19, 2019. The individual has been documented on-site several times following its initial discovery.

The project occurs within the San Bernardino's Burrowing Owl Overlay Zone (Biotic Resources Overlay Map, County of San Bernardino 2012) and an individual burrowing owl utilizing the project site. As such, the potential for future burrowing owl nesting on-site is moderate.

4.2.3 COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS

No coastal California gnatcatchers were documented during the nine non-breeding season protocol surveys conducted between September 12, 2019 and January 2, 2020. USFWS protocol (1997) allows for coastal California gnatcatcher surveys during the breeding or the non-breeding season; additional surveys are required outside the breeding season to help increase the probability of detection during this less active period. Complete survey results are presented in the coastal California gnatcatcher survey report (Appendix E).

4.2.4 DELHI SANDS FLOWER-LOVING FLY HABITAT ASSESSMENT RESULTS

Based on the NRCS soils map (Figure 4) and field investigation, Delhi fine sands are not present on the project site. As such, there is no potential for this species to occur on-site. Further, the Riversidean sage scrub on-site is disturbed and dominated by California sagebrush and supports limited nectar sources for the Delhi Sands flower-loving fly.

4.2.5 SAN BERNARDINO KANGAROO RAT SURVEY RESULTS

No San Bernardino kangaroo rats were captured during the trapping survey on-site between September 22, 2019 and September 27, 2019. Complete survey results are presented in the project San Bernardino kangaroo rat survey report (Appendix F).

4.3 RECONNAISSANCE-LEVEL AQUATIC RESOURCE ASSESSMENT RESULTS

No areas with depressions, drainage patterns, defined channels, and/or wetland vegetation were observed during the reconnaissance level aquatic resource assessment and no USGS blue line streams (USGS 2019) or NWI wetlands (USFWS 2019) are mapped on the project site. A small quarry does occur to the east of the site, with a constructed channel from the quarry to the southeast of the project site; however, these features are entirely outside the proposed project boundaries. As such, no potential federal-, or state-jurisdictional aquatic resources are expected to occur on-site.

5 IMPACTS

Direct impacts refer to any alteration, disturbance, or destruction of biological resources caused by and occurring at the same time and place as the project. Examples include direct losses to native habitats, potential jurisdictional waters, wetlands, and special-status species; the crushing of adult plants, bulbs, or seeds; the diversion of natural surface water flows; injury, death, and/or harassment of listed and/or special-status species; and the destruction of habitats necessary for species breeding, feeding, or sheltering.

Indirect impacts may occur later in time or at a place that is farther removed in distance from the project than direct impacts, but indirect impacts are still reasonably foreseeable and attributable to project-related activities. Examples include habitat fragmentation; elevated noise, dust, and lighting levels; changes in hydrology, runoff, and sedimentation; decreased water quality; soil compaction; increased human activity; and the introduction of invasive wildlife (domestic cats and dogs) and plants.

Cumulative impacts are the direct and indirect impacts of a proposed project which, when considered alone, would not be deemed substantial, but when considered in addition to the impacts of related projects in the area, would be considered potentially significant. 'Related projects' refers to past, present, and reasonably foreseeable future projects which would have similar impacts on the proposed project.

CEQA Guidelines Form J thresholds of significance have been used to determine whether project implementation would result in a significant direct, indirect, and/or cumulative impact. These thresholds are based on Appendix G of the CEQA Guidelines (California Code of Regulations 15000 *et seq.*). A significant biological resources impact would occur if the project would:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or USFWS;
- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by CDFW or USFWS;
- Have a substantial adverse effect on federal protected wetlands (including, but not limited to, marshes, vernal pools, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites;
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy, or ordinance;
- Conflict with the provisions of an adopted Habitat Conservation Plan; Natural Community Conservation Plan; or other approved local, regional, or state habitat conservation plan.

5.1 NATIVE HABITAT IMPACT ANALYSIS

The project will impact six habitats or land uses as outlined in Table 2 and shown on Figure 6. The project will impact one native vegetation community, disturbed Riversidean sage scrub. Impacts on this habitat will occur in areas that were previously disturbed; as such, impacts on native habitats would be less-than-significant as this natural community is ranked globally and state secure. Impacts on non-native vegetation communities or habitats would be less-than-significant, as these habitat types are locally and regionally abundant and the species that utilize these habitat types are generally adapted to disturbance.

Table 3. Potential Project Impacts on Vegetation Communities/Land Uses

Land Use (Map Code)	Project Site (Acres)
Developed Land (DEV)	2.74
Disturbed Habitat (DIST)	7.83

Disturbed Riversidean Sage Scrub (D-RSS)	17.09
Eucalyptus Woodland (EUC)	0.27
Non-native Grassland (NNG)	3.79
Ruderal (RUD)	2.55
Total	34.27

5.2 SPECIAL-STATUS PLANTS IMPACT ANALYSIS

There are five special-status plant species with moderate potential to occur on the project site: Catalina mariposa-lily (*Calochortus catalinae*, CRPR 4.2); Parry's spineflower (*Chorizanthe parryi* var. *parryi*, CRPR 1B.1); Peninsular spineflower (*Chorizanthe leptotheca*, CRPR 4.2); Plummer's mariposa-lily (*Calochortus plummerae*, CRPR 4.2); and Smooth tarplant (*Centromadia pungens* ssp. *laevis,* CRPR 1B.1). Given the high level of site disturbance and absence of these species from the site during previously conducted floristic surveys, extensive populations of special-status plant species are not anticipated to occur on-site. If present, impacts to these species would be relatively minor, measured in individual plants. Further, because the site is surrounded by development, any populations (if present) would be isolated and would not contribute to any larger population or long-term perpetuation of the species; as such, impacts on special-status plants would be less-than-significant. No pre-construction surveys or other measures are recommended.

5.3 SPECIAL-STATUS ANIMALS IMPACT ANALYSIS

An individual burrowing owl (CDFW Species of Special Concern) has been documented on the project site and has a moderate potential to nest on-site. As such, impacts on this species are potentially significant.

The CDFW Watch List species California horned lark was also observed on-site. Compliance with the nesting bird minimization measure outlined in Section 6.2 would avoid direct take of California horned lark. As such, potential impacts on this species would be less than significant.

5.4 NESTING BIRD IMPACT ANALYSIS

The project site has the potential to impact active bird nests if vegetation is removed or ground-disturbing activities occur during the nesting season (February 1 to August 31). Impacts on nesting birds are prohibited by the MBTA and CFGC. However, there is currently a proposed rule change for the MBTA (January 30, 2020), which may impact the implementation of measures under Section 6.2.

Under existing regulations, a project-specific minimization and avoidance measure that will reduce potential impacts on nesting birds is identified in Section 6.2 of this report. However, there is currently a proposed rule that would change requirements under the MBTA that should be revisited prior to implementation of measures outlined under Section 6.2. Under current regulations, implementation of this measure would reduce impacts on nesting birds to less-than-significant.

5.5 JURISDICTIONAL RIPARIAN AREAS IMPACT ANALYSIS

The project will not impact riparian areas or vernal pools as such features do not occur on-site based on the initial aquatic resource assessment.

5.6 JURISDICTIONAL WATERS IMPACT ANALYSIS

The project will not impact jurisdictional aquatic resources as such features do not occur on-site based on the initial aquatic resource assessment.

5.7 CONFORMANCE WITH LOCAL BIOLOGICAL POLICIES, ORDINANCES, AND PLANS

5.7.1 COUNTY OF SAN BERNARDINO LAND USE SERVICES, PLANNING DIVISION

As stated above, the project site occurs within the County of San Bernardino Burrowing Owl Overlay Zone. Through compliance with the project-specific mitigation measure in Section 6.1, project activities will avoid impacts on burrowing owls.

5.7.2 CITY OF RIALTO GENERAL PLAN

The project site has no potential to support the federally endangered Delhi Sands flower-loving fly due to the lack of both suitable Delhi Sands soils and suitable dune habitat on site.

5.8 INDIRECT IMPACT ANALYSIS

In the context of biological resources, indirect impacts are secondary effects associated with development activities. Examples of indirect effects include water quality impacts from drainage into adjacent open space/downstream aquatic resources; lighting effects; noise effects; invasive plant species from landscaping; and effects from human access into adjacent open space, such as recreational activities (including off-road vehicles and hiking), pets, dumping, etc. Since the project is surrounded by developed or disturbed areas, and will comply with stormwater regulations, the project will not result in significant indirect effects to biological resources.

5.9 CUMULATIVE IMPACT ANALYSIS

Due to the level of disturbance on the project site, the adjacent developed land, and the minimization and avoidance measures outline in Sections 6.1 and 6.2 of this report, the project will not result in any significant cumulative impacts to biological resources.

6 MITIGATION, MINIMIZATION, AND AVOIDANCE MEASURES

The following section provides project-specific mitigation, minimization and avoidance measures for potential impacts on special-status resources.

6.1 BURROWING OWL

As noted above, burrowing owls, active burrows, or burrowing owl sign were not observed during the protocol breeding season surveys conducted April – June 2019. However, an individual

burrowing owl was observed wintering on-site since December 19, 2019. Due to the presence of California ground squirrel burrows on-site and the utilization of these burrows by an individual burrowing owl, the potential for nesting on-site is moderate. In accordance with the Guidelines, two pre-construction surveys should be conducted 14 days and 24 hours prior to any ground-disturbing activities or vegetation clearing on-site.

Based on the confirmed presence of an owl on-site, early consultation with CDFW may be warranted to avoid construction delays.

MM-1: A qualified biologist(s) will conduct a pre-construction presence/absence survey for burrowing owls at 14 days prior to ground disturbing activities and within 24 hours immediately before ground disturbing activities. If burrowing owls are documented on-site, a plan for avoidance or passive exclusion shall be made in coordination with CDFW. If the survey is negative, the project may proceed without further restrictions related to burrowing owls.

6.2 NESTING BIRDS

As noted above, the project site has the potential to support nesting birds. To avoid impacts on nesting birds the following mitigation measure is recommended:

MM-2: Vegetation clearing and ground disturbing activities should be conducted outside of the nesting season (February 1 to August 31). If construction activities occur during the nesting season, a qualified biologist will conduct a nesting bird survey within seven days prior to any disturbance of the site, including tree and shrub removal, disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests depending on the level of activity within the buffer and species observed, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests. Raptor species will have an avoidance buffer of 500 feet and other bird species will have an avoidance buffer of 300 feet. These buffers may be reduced in consultation with the CDFW. If active nests are not identified, vegetation clearing and ground disturbing activities may commence. If ground disturbing activities are scheduled outside of the nesting season, a nesting bird survey will not be required.

7 CONCLUSION

The project will not result in significant impacts on biological resources with the implementation of MM-1 and MM-2 outlined in Section 6. The project site has been historically disturbed and the native Riversidean sage scrub on-site is disturbed and of low quality. The potential for burrowing owl to nest on-site is moderate based on the presence of a wintering owl on-site and suitable burrows. Pre-construction burrowing owl surveys should be conducted to determine presence or absence of burrowing owl on-site immediately prior to construction (see recommended MM-1), and early consultation with CDFW is advisable based on the presence of an owl on-site. A pre-construction clearance survey for nesting birds should be conducted to ensure there are no impacts on nesting birds (see recommended MM-2). With these measures in place, project impacts on biological resources would be less than significant.

8 REFERENCES

Baldwin, B.G., D. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D. Wilken. 2012. The Jepson Manual: Vascular Plants of California, Thoroughly Revised and Expanded. University of California Press, Berkeley, CA.

California Department of Fish and Game. 2012. Staff Report on Burrowing Owl Mitigation. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83843.

California Department of Fish and Wildlife. 2019. California Department of Fish and Game Natural Diversity Database – Electronic Format.

California Department of Fish and Wildlife. 2020. Manual of California Vegetation Online. https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities). Accessed January 2020.

California Native Plant Society (CNPS), Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Accessed 2019. http://www.rareplants.cnps.org

County of San Bernardino. 2012. Biotic Resources Overlay Map. http://www.sbcounty.gov/Uploads/lus/BioMaps/cnty_all_biotic_resources_map_final.pdf.

Henny, C.J. and L.J. Blus. 1981. Artificial burrows provide new insight into burrowing owl nesting biology. Raptor Research 15:82-85.

Hoffmann, Anke & Decher, Jan & Rovero, Francesco & Voigt, Christian & Schaer, Juliane. 2010. Field Methods and Techniques for Monitoring Mammals.

Holland, R. 1986. Preliminary descriptions of the terrestrial natural communities of California. Unpublished document, California Department of Fish and Game, Natural Heritage Division. Sacramento, CA.

U.S. Department of Agriculture (USDA), Natural Resources Conservation Service. 2019. Natural Resources Conservation Service Web Soil Survey – Electronic Format. Accessed 2019. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

U.S. Fish and Wildlife Service (USFWS). 1997. Coastal California Gnatcatcher (*Polioptila californica californica*) Presence/Absence Survey Protocol. 5 pages.

U.S. Fish and Wildlife Service (USFWS). 1997. Delhi Sands flower-loving fly *(Rhaphiomidas terminatus abdominalis)* Recovery Plan. U. S. Fish and Wildlife Service, Portland, OR. 51 pages.

U.S. Fish and Wildlife Service (USFWS). 2008. 5-Year Review: Delhi Sands flower-loving fly *(Rhaphiomidas terminatus abdominalis)* Carlsbad, CA.

U. S. Fish and Wildlife Service (USFWS). 2008. Designation of critical habitat for the San Bernardino kangaroo rat (*Dipodomys merriami parvus*); final rule. Federal Register 73 (202): 61936-62002.

U. S. Fish and Wildlife Service (USFWS). 2019. Database for species which require a survey report under Section 10 of the Endangered Species Act.

U. S. Fish and Wildlife Service (USFWS). 2019. National Wetland Inventory Mapper Online. https://www.fws.gov/wetlands/data/mapper.html

U. S. Geological Survey (USGS). 2019. National Hydrography Dataset Map. Online. https://apps.nationalmap.gov/downloader/#/

Wirtz, W. O., Mayer, A. L., Raney, M. M., & Beyers, J. L. (1997). Effects of fire on the ecology of the California Gnatcatcher, Polioptila californica. California sage scrub communities. In Proceedings: Fire Effects on Rare and Endangered Species and Habitats Conference (JM Greenlee, Editor). Coeur d'Alene, ID, USA.

Zarn, M. 1974. Burrowing owl. U.S. Department of Interior, Bureau of Land Management. Technical Note T-N 250. Denver, Colorado. 25pp.

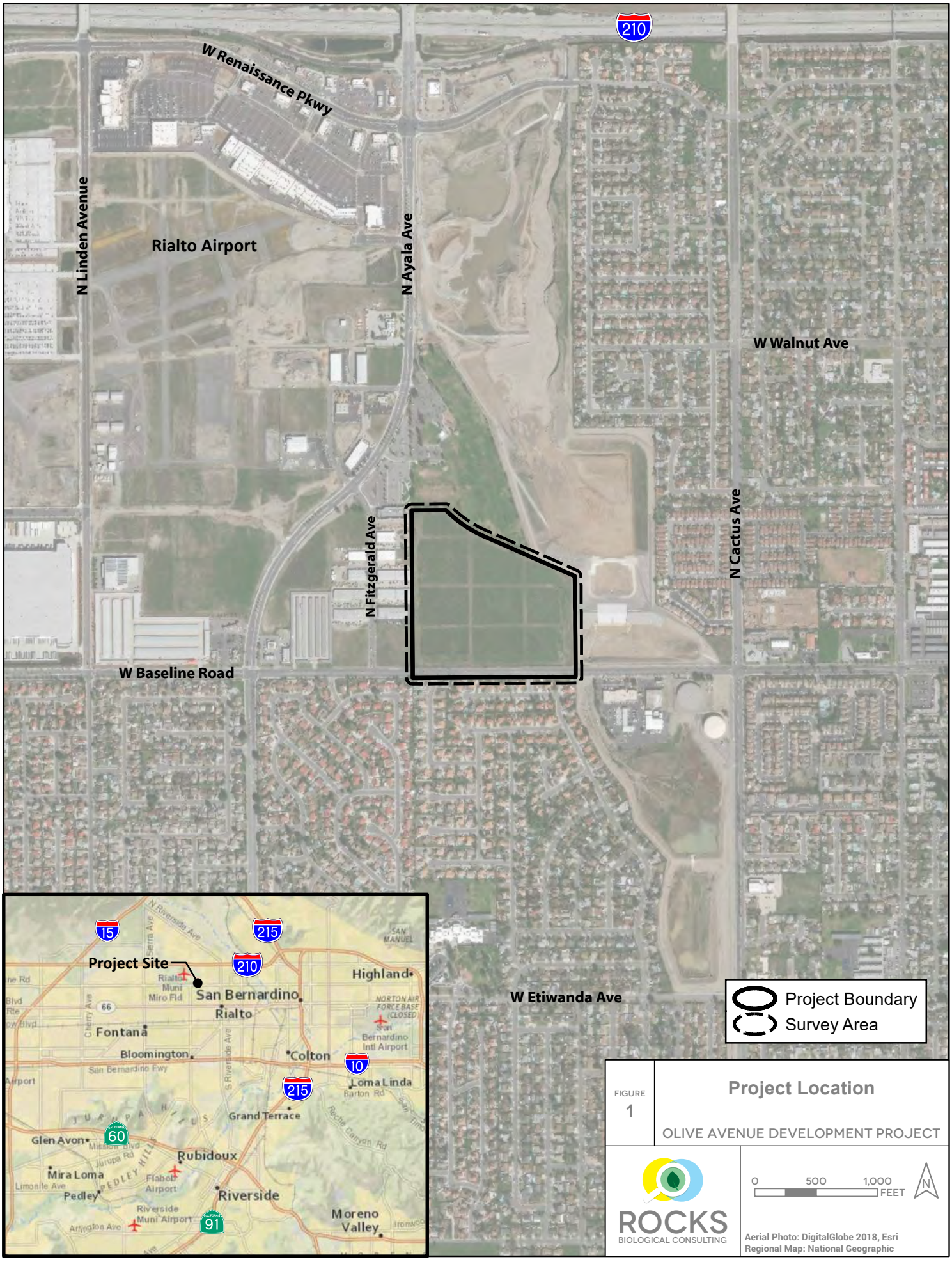


FIGURE 1

Project Location

OLIVE AVENUE DEVELOPMENT PROJECT

ROCKS BIOLOGICAL CONSULTING

0 500 1,000 FEET

N

Aerial Photo: DigitalGlobe 2018, Esri
Regional Map: National Geographic

FIGURE 2

Survey Area

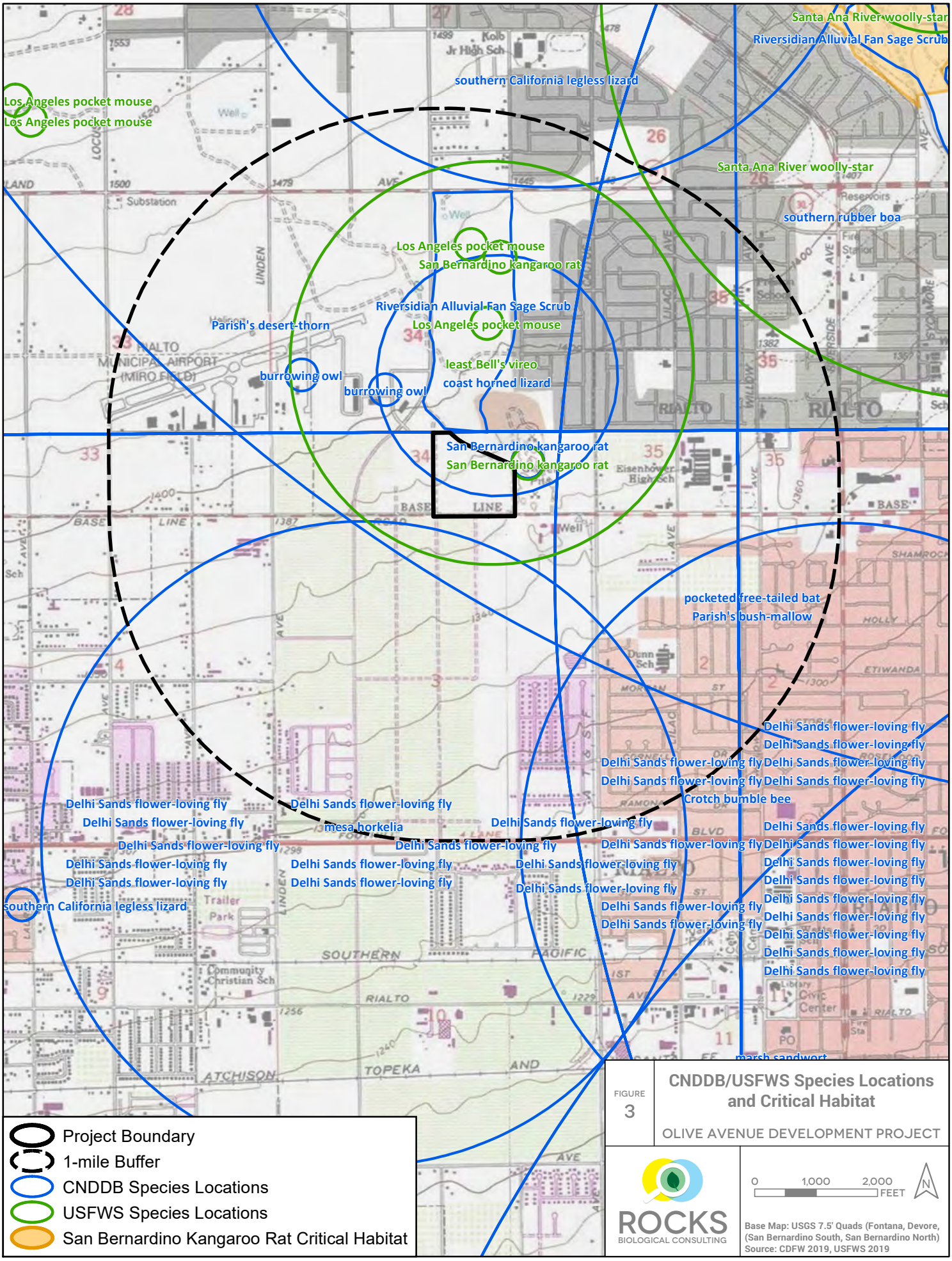
OLIVE AVENUE DEVELOPMENT PROJECT

ROCKS BIOLOGICAL CONSULTING

0 150 300 FEET

N

Aerial Photo: Nearmap 2019


Santa Ana River woolly-star
Riversidian Alluvial Fan Sage Scrub
southern California legless lizard
Los Angeles pocket mouse
Los Angeles pocket mouse
Santa Ana River woolly-star
southern rubber boa
Los Angeles pocket mouse
San Bernardino kangaroo rat
Riversidian Alluvial Fan Sage Scrub
Parish's desert-thorn
Los Angeles pocket mouse
least Bell's vireo
coast horned lizard
burrowing owl
burrowing owl
San Bernardino kangaroo rat
San Bernardino kangaroo rat
pocketed free-tailed bat
Parish's bush-mallow
Delhi Sands flower-loving fly
Delhi Sands flower-loving fly
Delhi Sands flower-loving fly
Delhi Sands flower-loving fly
Crotch bumble bee
Delhi Sands flower-loving fly
Delhi Sands flower-loving fly
mesa horkelia
Delhi Sands flower-loving fly
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Delhi Sands flower-loving fly

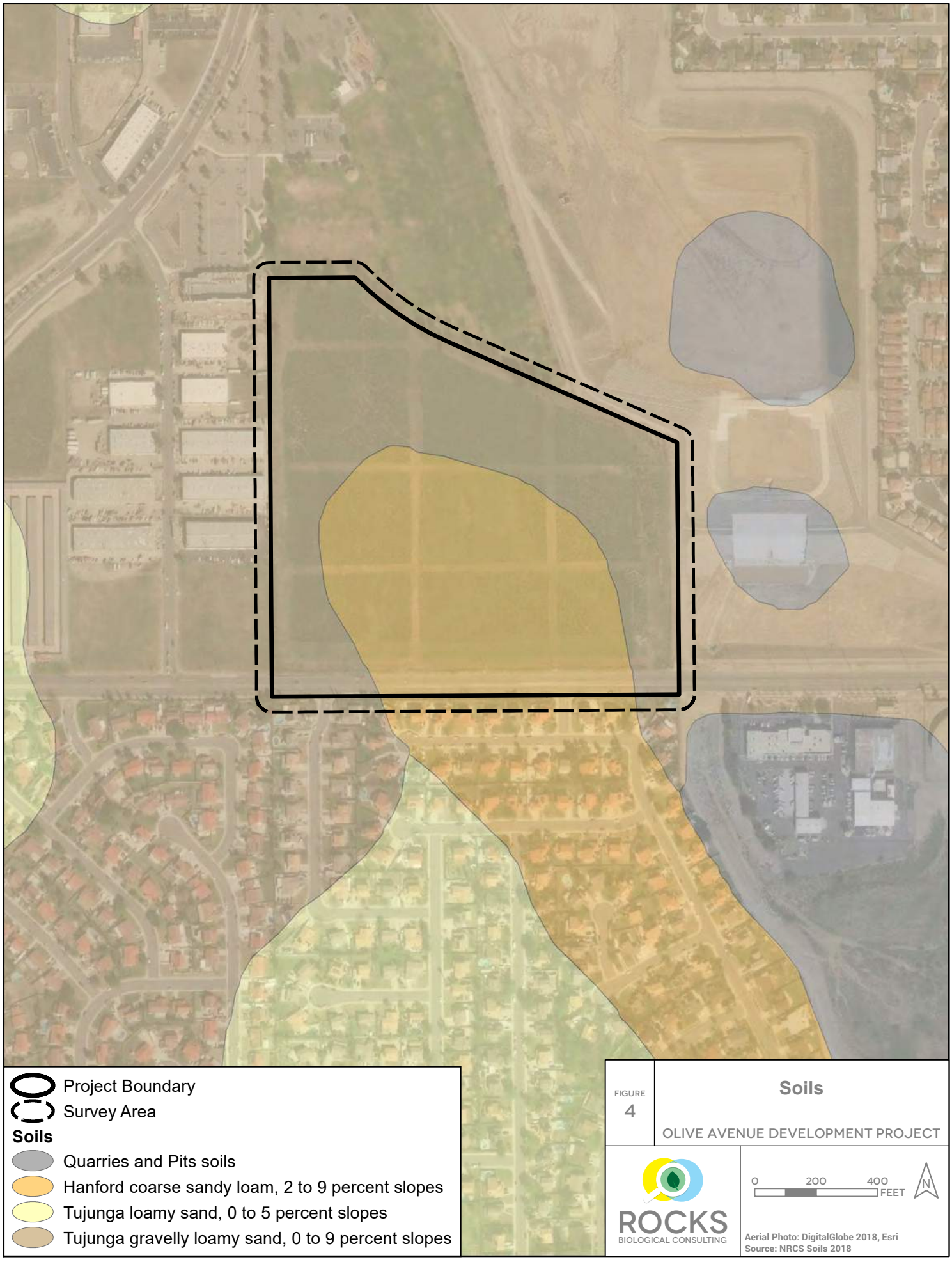
Project Boundary
Survey Area
Soils
Quarries and Pits soils
Hanford coarse sandy loam, 2 to 9 percent slopes
Tujunga loamy sand, 0 to 5 percent slopes
Tujunga gravelly loamy sand, 0 to 9 percent slopes
FIGURE
4
Soils
OLIVE AVENUE DEVELOPMENT PROJECT
ROCKS
BIOLOGICAL CONSULTING
0
200
400
FEET
N
Aerial Photo: DigitalGlobe 2018, Esri
Source: NRCS Soils 2018

FIGURE 5

Biological Resources

OLIVE AVENUE DEVELOPMENT PROJECT

ROCKS BIOLOGICAL CONSULTING

0 75 150 FEET

N

Aerial Photo: Nearmap 2019

ATTACHMENT A

REGULATORY FRAMEWORK

REGULATORY FRAMEWORK

Federal, state, and local agencies have established several regulations to protect and conserve biological resources. The descriptions below provide an overview of the agency regulations that may be applicable to the project. The final determination as to what types of permits are required will be made by the regulating agencies.

FEDERAL REGULATIONS

Federal Endangered Species Act

The ESA provides for the listing of endangered and threatened species of plants and animals and the designation of critical habitat for these listed species. ESA regulates the "taking" of any endangered fish or wildlife species, per Section 9. As development is proposed, the responsible agency or individual landowner is required to consult with the U.S. Fish and Wildlife Service (USFWS) to assess potential impacts on listed species (including plants) or the critical habitat of a listed species, pursuant to Sections 7 and 10 of the ESA. USFWS is required to determine the extent a project would impact a particular species. If USFWS determines that a project is likely to potentially impact a species, measures to avoid or reduce such impacts must be identified. Following consultation and the issuance of a Biological Opinion, USFWS may issue an incidental take statement which allows for the take of a species if it is incidental to another authorized activity and will not adversely affect the existence of the species. Section 10 of the ESA provides for issuance of incidental take permits to non-federal parties in conjunction with the development of a habitat conservation plan (HCP). Section 7 of the ESA provides for permitting of projects where interagency cooperation is necessary to ensure that a federal action/decision does not jeopardize the existence of a listed species.

Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA; 16 USC § 703 et seq.) is a federal statute that implements treaties with several countries on the conservation and protection of migratory birds. The number of bird species covered by the MBTA is extensive and is listed at 50 Code of Federal Regulations (CFR) 10.13. USFWS enforces the MBTA, which prohibits "by any means or in any manner, to pursue, hunt, take, capture, [or] kill" any migratory bird, or attempt such actions, except as permitted by regulation.

Rivers and Harbors Appropriation Act of 1899

The Rivers and Harbors Appropriation Act of 1899 (Rivers and Harbors Act; 33 USC § 403) prohibits the discharge of any material into navigable waters of the United States, or tributaries thereof, without a permit. The act also makes it a misdemeanor to excavate, fill, or alter the course, condition, or capacity of any port, harbor, or channel; or to dam navigable streams without a permit.

Many activities originally covered by the Rivers and Harbors Act are now regulated under the CWA, discussed below. However, the 1899 act retains relevance and created the structure under which the Corps oversees permitting under CWA § 404.

Clean Water Act

Pursuant to Section 404 of the CWA, the Corps is authorized to regulate any activity that would result in the discharge of dredged or fill material into waters of the U.S. (including wetlands), which includes those waters listed in 33 CFR 328.3 (as amended at 80 Federal Register [FR] 37104, June 29, 2015). The Corps, with oversight from the U.S. Environmental Protection Agency (EPA), has the principal authority to issue CWA Section 404 permits. The Corps would require a Standard Individual Permit (SIP) for more than minimal impacts to waters of the U.S. as determined by the Corps. Projects with minimal individual and cumulative adverse effects on the environment may meet the conditions of an existing Nationwide Permit (NWP).

A water quality certification or waiver pursuant to Section 401 of the CWA is required for all Section 404 permitted actions. The RWQCB, divisions of the State Water Resources Control Board (SWRCB), provides oversight of the 401-certification process in California. The RWQCB is required to provide "certification that there is reasonable assurance that an activity that may result in the discharge to waters of the United States will not violate water quality standards." Water Quality Certification must be based on the finding that a proposed discharge will comply with applicable water quality standards.

The National Pollutant Discharge Elimination System (NPDES) is the permitting program for discharge of pollutants into surface waters of the U.S. under Section 402 of the CWA.

STATE REGULATIONS

State of California Endangered Species Act

CESA, in combination with the California Native Plant Protection Act of 1977 (NPPA; CFGC § 1900 et seq.), regulates the listing and take of plant and animal species designated as endangered, threatened, or rare within the state. California also lists SSC based on limited distribution, declining populations, diminishing habitat, or unusual scientific, recreational, or educational value. CESA defines an endangered species as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease." CESA defines a threatened species as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of the special protection and management efforts required by this chapter. Any animal determined by the commission as rare on or before January 1, 1985 is a threatened species." Candidate species are defined as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the commission has formally noticed as being under review by the department for addition to either the list of endangered species or the list of threatened species, or a species for which the commission has published a notice of proposed

regulation to add the species to either list." Candidate species may be afforded temporary protection as though they were already listed as threatened or endangered at the discretion of the California Fish and Game Commission. Unlike the federal ESA, CESA does not list invertebrate species.

Sections 2080 through 2085 of CESA address the take of threatened, endangered, or candidate species by stating "no person shall import into this state, export out of this state, or take, possess, purchase, or sell within this state, any species, or any part or product thereof, that the commission determines to be an endangered species or a threatened species, or attempt any of those acts, except as otherwise provided." Under CESA, "take" is defined as to "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." Exceptions authorized by the state to allow "take" require permits or memoranda of understanding and can be authorized for endangered species, threatened species, or candidate species for scientific, educational, or management purposes and for take incidental to otherwise lawful activities. CFGC §§ 1901 and 1913 provide that notification is required prior to disturbance. CDFW is responsible for assessing development projects for their potential to impact listed species and their habitats. State-listed special-status species are addressed through the issuance of a 2081 permit (Memorandum of Understanding).

California Environmental Quality Act

CEQA was established in 1970 as California's counterpart to the National Environmental Policy Act (NEPA; 42 USC § 4321 et seq.). This statute requires state and local agencies to identify significant environmental impacts related to their actions and to avoid or mitigate those impacts, where feasible.

A public agency must comply with CEQA when it undertakes an activity defined by CEQA as a "project." A project is an activity undertaken by a public agency or a private activity that must receive some discretionary approval (meaning that the agency has the authority to deny the requested permit or approval) from a government agency that may cause either a direct physical change in the environment or a reasonably foreseeable indirect change in the environment.

Natural Community Conservation Planning Act

In 1991, the California Natural Community Conservation Planning Act (NCCP Act; CFGC § 1900 et seq.) was approved and the NCCP Coastal Sage Scrub program was initiated in Southern California. California law (CFGC § 2800 et seq.) established the NCCP program "to provide for regional protection and perpetuation of natural wildlife diversity while allowing compatible land use and appropriate development and growth." The NCCP Act encourages preparation of plans that address habitat conservation and management on an ecosystem basis rather than one species or habitat at a time.

California Fish and Game Code Sections 1600-1602

Pursuant to Division 2, Chapter 6, Section 1602 of the CFGC, CDFW regulates all diversions, obstructions, or changes to the natural flow or bed, channel or bank of any river, stream, or lake that supports fish or wildlife. A Notification of Lake or Streambed Alteration must be submitted to

CDFW for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake." CDFW has jurisdiction over riparian habitats associated with watercourses and wetland habitats supported by a river, lake, or stream. Jurisdictional waters are delineated by the outer edge of riparian vegetation (i.e., drip line) or at the top of the bank of streams or lakes, whichever is wider. CDFW jurisdiction does not extend to tidal areas or isolated resources. CDFW reviews the proposed actions and, if necessary, submits (to the applicant) a proposal that includes measures to protect affected fish and wildlife resources. The final proposal that is mutually agreed upon by CDFW and the applicant is the Lake or Streambed Alteration Agreement.

California Fish and Game Code Sections 3503, 3511, 3513, 3800, 4700, 5050, and 5515

Within California, fish, wildlife, and native plant resources are protected and managed by CDFW. The California Fish and Game Commission and/or CDFW are responsible for issuing permits for the take or possession of protected species. The following sections of the CFGC address protected species: Section 3511 (birds), Section 4700 (mammals), Section 5050 (reptiles and amphibians), and Section 5515 (fish). In addition, the protection of birds of prey is provided for in Sections 3503, 3513, and 3800 of the CFGC.

Porter-Cologne Water Quality Control Act

The Porter-Cologne Act provides for statewide coordination of water quality regulations. The SWRCB was established as the statewide authority and nine separate RWQCBs were developed to oversee water quality on a day-to-day basis.

The SWRCB is the primary agency responsible for protecting water quality in California. As discussed above, the RWQCBs regulate discharges to surface waters under the CWA. In addition, the RWQCBs are responsible for administering the Porter-Cologne Act.

Pursuant to the Porter-Cologne Act, the state is given authority to regulate waters of the state, which are defined as any surface water or groundwater, including saline waters. As such, any person proposing to discharge waste into a water body that could affect its water quality must first file a Report of Waste Discharge if Section 404 of the CWA is not required for the activity. "Waste" is partially defined as any waste substance associated with human habitation, including fill material discharged into water bodies.

REGIONAL AND LOCAL PLANS

County of San Bernardino Land Use Services, Planning Division

According to the County's Biotic Resources Overlay Map the project site is located within the County of San Bernardino's Burrowing Owl Overlay Zone (County of San Bernardino 2012). The burrowing owl is listed as an SSC by CDFW.

ATTACHMENT B

SITE PHOTOGRAPHS

Photo 1. View of the patches of Riversidian sage scrub throughout the project area. April 15, 2019.

Photo 2. View of non-native grassland within the project area, facing north. April 15, 2019.

Photo 3. View of project area from the eastern boundary, facing west. May 6, 2019.

Photo 4. View from center of the project area, facing north. May 30, 2019.

Photo 5. View of the project area along the eastern boundary, facing north. May 30, 2019.

Photo 6. View of disked project area from eastern boundary, facing west. June 17, 2019.

Photo 7. View of disked project area from center of the project site, facing north. June 17, 2019.

Photo 8. View of disturbed habitat and eucalyptus woodland on the northern boundary of the project site, facing west. September 12, 2019.

Photo 9. View of disturbed Riversidean sage scrub from the center of the project site, facing northwest. December 5, 2019.

Photo 10. View of active burrow being utilized by wintering burrowing owl on west side of project site. January 2, 2020.

ATTACHMENT C

PLANT AND WILDLIFE SPECIES OBSERVED

Family	Common Name	Scientific Name
Plants		
Arecaceae	Mexican fan palm	*Washingtonia robusta*
Asteracaea	Deane's small wreath-plant	*Stephanomeria exigua subsp. Deanei*
Asteracaea	Golden crownbeard	*Verbesina encelioides subsp. Encelioides*
Asteracaea	Prickly lettuce	*Lactuca serriola*
Asteracaea	Rubber rabbitbush	*Ericameria nauseosa var. oreophila*
Asteraceae	California matchweed	*Gutierrezia californica*
Asteraceae	California sagebrush	*Artemisia californica*
Asteraceae	Cocklebur	*Xanthium strumarium*
Asteraceae	Flax-leaf fleabane	*Erigeron bonariensis*
Asteraceae	horseweed	*Erigeron canadensis*
Asteraceae	Stinkwort	*Dittrichia graveolens*
Asteraceae	Telegraph weed	*Heterotheca grandiflora*
Asteraceae	Tocalote	*Centaurea melitensis*
Asteraceae	Weak-leaf bur-sage	*Ambrosia confertiflora*
Asteraceae	Western sunflower	*Helianthus annuus*
Boraginaceae	Rough fiddleneck	*Amsinckia menziesii*
Brassicaceae	Short-pod mustard	*Hirschfeldia incana*
Chenopodiaceae	Tumbleweed	*Salsola tragus*
Euphorbiaceae	California croton	*Croton californicus*
Euphorbiaceae	Doveweed	*Croton setiger*
Fabaceae	Short-wing deerweed	*Acmispon glaber var. breviatus*
Geraniaceae	Long beaked filaree	*Erodium botrys*
Lamiaceae	Horehound	*Marrubium vulgare*
Myrtaceae	Red gum	*Eucalytpus camaludensis*
Poaceae	Mediterranean schismus	*Schismus barbatus*
Poaceae	Red brome	*Bromus rubens*
Poaceae	Ripgut brome	*Bromus diandrus*
Poaceae	Slender wild oat	*Avena barbata*
Polygonaceae	Coast California buckwheat	*Eriogonum fasciculatum var. fasciculatum*
Polygonaceae	Smooth slender buckwheat	*Eriogonum gracile var. incultum*
Rosaceae	Holly-leaf cherry	*Prunus ilicifolia subsp. ilicifolia*
Zygophyllaceae	Puncture vine	*Tribulus terrestris*
Invertebrates		
Hesperiidae	White checkered skipper	*Pyrgus albescens*

Lycaenidae	Marine blue	*Leptotes marina*
Nymphalidae	Painted lady	*Vanessa cardui*
Nymphalidae	Common buckeye	*Junonia coenia*
Pieridae	Checkered white	*Pontia protodice*
Riodinidae	Behr's metalmark	*Apodemia virgulti*
Reptiles and Amphibians		
Iguanidae	Common side-blotched lizard	*Uta stansburiana*
Iguanidae	Western fence lizard	*Sceloporus occidentalis*
Birds		
Accipitridae	red-tailed hawk	*Buteo jamaicensis*
Aegithalidae	bushtit	*Psaltriparus minimus*
Alaudidae	California horned lark	*Eremophila alpestris actia*
Columbidae	Eurasian collared-dove	*Streptopelia decaocto*
Columbidae	mourning dove	*Zenaida macroura*
Columbidae	rock pigeon	*Columba livia*
Corvidae	American crow	*Corvus brachyrhyncos*
Corvidae	California scrub-jay	*Aphelocoma californica*
Corvidae	common raven	*Corvus corax*
Falconidae	American kestrel	*Falco sparverius*
Fringillidae	house finch	*Haemorhous mexicanus*
Fringillidae	lesser goldfinch	*Spinus psaltria*
Hirundinidae	barn swallow	*Hirundo rustica*
Hirundinidae	cliff swallow	*Petrochelidon pyrrhonata*
Hirundinidae	northern rough-winged swallow	*Stelgidopteryx serripennis*
Icteridae	Brewer's blackbird	*Euphagus cyanocephalus*
Icteridae	Bullock's oriole	*Icterus bullocki*
Icteridae	western meadowlark	*Sturnella neglecta*
Mimidae	northern mockingbird	*Mimus polyglottos*
Parulidae	orange-crowned warbler	*Oreothlypis celata*
Passerellidae	California towhee	*Melozone crissalis*
Passerellidae	savannah sparrow	*Passerculus sandwichensis*
Passerellidae	song sparrow	*Melospiza melodia*
Passeridae	house sparrow	*Passer domesticus*
Sturnidae	European starling	*Sturnus vulgaris*
Trochillidae	Anna's hummingbird	*Calypte anna*
Tyrannidae	Cassin's kingbird	*Tyrannus vociferous*

Tyrannidae	Say's phoebe	*Sayornis saya*
Tyrannidae	western kingbird	*Tyrannus verticalis*
Mammals		
Canidae	Coyote	*Canis latrans*
Cricetidae	Deer mouse	*Peromyscus maniculatus*
Leporidae	Audubon's cottontail	*Sylvilagus audubonii*
Muridae	House mouse	*Mus musculus*
Sciuridae	California ground squirrel	*Otospermophilus beecheyi*

ATTACHMENT D

OLIVE GROVE INDUSTRIAL PROJECT PROTOCOL PRESENCE/ABSENCE 2019 SURVEY REPORT FOR BURROWING OWL

ROCKS
BIOLOGICAL CONSULTING

OLIVE GROVE INDUSTRIAL PROJECT

PROTOCOL PRESENCE/ABSENCE 2019 SURVEY REPORT FOR BURROWING OWL (*Athene cunicularia*)

San Bernardino County, California

November 27, 2019

Prepared for:
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TABLE OF CONTENTS

1 Summary 1
2 Introduction 1
3 Methods 1
4 Results 2
5 Conclusion 2
6 References 2

TABLES

Table 1. Burrowing Owl Survey Dates and Conditions 1

FIGURES

Figure 1. Project Location

APPENDICES

Appendix A. Site Photographs
Appendix B. Bird Species Observed During Breeding Season Burrowing Owl Surveys - April 15, 2019 to June 17, 2019

1 SUMMARY

This report summarizes surveys Rocks Biological Consulting (RBC) conducted for burrowing owl (*Athene cunicularia*; BUOW) at the Olive Grove Industrial Project (project) in the City of Rialto, San Bernardino County, California. RBC conducted four protocol breeding season BUOW surveys between April 15, 2019 and June 17, 2019. No BUOW, active burrows, or BUOW sign were documented on the project site or within the 500-foot buffer.

2 INTRODUCTION

2.1 PROJECT LOCATION

The 38.91-acre project area is located in the City of Rialto, San Bernardino County, California. The site is bounded by Baseline Road to the south, N. Cactus Avenue to the east, N. Fitzgerald Avenue to the west, and Jerry Eaves Park to the north (Figure 1).

2.2 BURROWING OWL NATURAL HISTORY

The BUOW is listed by the California Department of Fish and Wildlife (CDFW) as a Species of Special Concern (SSC). Suitable habitat for the BUOW in California is typified by short, sparse vegetation with few shrubs, level to gently sloping topography, and well-drained soils (CDFW 2012). Grassland, shrub steppe, and desert are naturally occurring habitat types used by BUOW. In addition, BUOW may occur in some agricultural areas, ruderal fields, vacant lots, and pastures if the vegetation structure is suitable and there are burrows and foraging habitat in proximity (Gervais et al. 2008). Because suitable burrows are usually dug by other species, particular attention to California ground squirrel (*Otospermophilus beecheyi*) burrows or activity is important in assessing BUOW occupation of a site. Natural rock cavities, debris piles, culverts, and pipes are also used by BUOW for nesting and roosting (Rosenberg et al. 1998).

3 METHODS

In accordance with the CDFW *Staff Report on Burrowing Owl Mitigation* (2012), RBC conducted four BUOW surveys during the breeding season (February 1 to August 31). RBC conducted the surveys at least three weeks apart with one survey conducted between February 15 and April 15, and one survey conducted after June 15. Surveys were conducted between morning civil twilight and 1000. No surveys were conducted during rain, dense fog, or in winds greater than 20 miles per hour. Survey dates and conditions are presented in Table 1.

Table 1. Burrowing Owl Survey Dates and Conditions

Survey Number	Date	Time (Start-End)	Temperature (F) (Start-End)	Cloud Cover (%) (Start-End)	Wind Range (mph) (Start; End)
1	4/15/19	0815-1000	62-64	40-50	0-2; 1-3
2	5/6/19	0815-1000	55-58	90-80	0-2; 0-2
3	5/30/19	0815-1000	65-69	0-0	0-2; 0-2
4	6/17/19	0815-0950	63-66	100-100	1-4; 0-2

RBC walked transects spaced 7-30 meters (20-100 feet) apart through potential BUOW habitat within the survey area searching for BUOW, active and potential burrows, and/or sign of BUOW. RBC examined all suitable burrows for sign, including feathers, pellets, whitewash, and/or prey remains. RBC considered burrows to be active if a BUOW was observed at or near the entrance or if evidence of recent sign was present. RBC used binoculars (10x42) to aid in the identification of avian species.

4 RESULTS

The project site is regularly disked and on-site soils are composed primarily of hard-packed soil, gravel, and cobble. Site habitats are primarily non-native grassland dominated by filaree (*Erodium botrys*), ripgut brome (*Bromus diandrus*), red brome (*Bromus rubens*), and slender wild oats (*Avena barbata*). The site also supports areas of Riversidian sage scrub dominated by California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum*), and deerweed (*Acmispon glaber*). Site photographs are presented in Appendix A.

During the four protocol surveys, RBC did not observe any BUOWs, active burrows, or fresh burrowing owl sign within the project site or the surrounding buffer. RBC documented several burrows of suitable size for BUOW. Most of these burrows are associated with active ground squirrel colonies on site. It should be noted that a majority of potentially suitable BUOW habitat was disked between survey 3 (May 30, 2019) and survey 4 (June 17, 2019). RBC observed 27 avian species during the four surveys. All bird species observed during the surveys are presented in Appendix B.

5 CONCLUSION

RBC did not observe any burrowing owls, active burrows, or BUOW sign during the four protocol breeding season surveys conducted April 15 to June 17, 2019.

At this time, the development of the project site would not impact BUOW. In order to comply with the CDFW Guidelines, a pre-construction BUOW survey must be conducted within 30 days prior to ground disturbance to ensure that BUOW have not colonized the site. If burrowing owls are documented on site, then a plan for avoidance or passive exclusion shall be made in coordination with CDFW. If the survey is negative, the project may proceed without further restrictions related to burrowing owls.

6 REFERENCES

California Department of Fish and Wildlife. 2012. Staff Report on Burrowing Owl Mitigation.

Gervais, J.A., D.K. Rosenberg, and L.A. Comrack. Burrowing owl (*Athene cunicularia*) in Shuford, W.D. and T. Gardali, editors. 2008. California Bird Species of Special Concern: A ranked assessment of species, subspecies and distinct populations of birds of immediate conservation concern in California. Studies of Western Birds 1. Western Field Ornithologists, Camarillo, California, and California Department of Fish and Game, Sacramento, California, USA.

Rosenberg, D.K., J.A. Gervais, H. Ober, and D.F. DeSante. 1998. An adaptive management plan for the burrowing owl population at Naval Air Station Lemoore, California, USA. Publication 95, Institute for Bird Populations, P.O. Box 1346, Pt. Reyes Station, CA 94956.

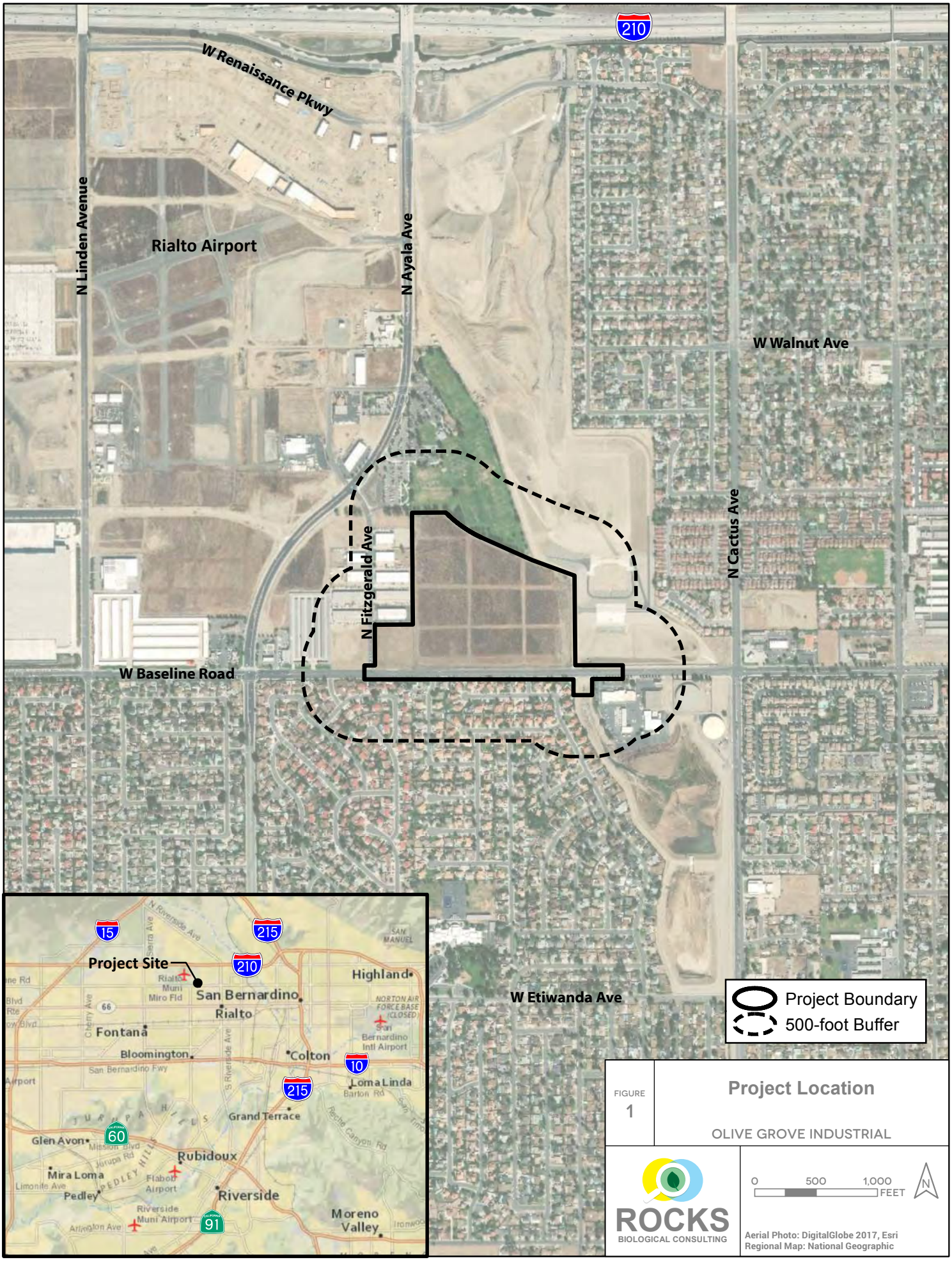


FIGURE 1

Project Location

OLIVE GROVE INDUSTRIAL

ROCKS BIOLOGICAL CONSULTING

0 500 1,000 FEET

Aerial Photo: DigitalGlobe 2017, Esri
Regional Map: National Geographic

Appendix A

Site Photographs

Photo 1. View of the project area from the western boundary, facing northeast. April 15, 2019.

Photo 2. View of the patches of Riversidian sage scrub throughout the project area. April 15, 2019.

Photo 3. View of non-native grassland within the project area, facing north. April 15, 2019.

Photo 4. View of project area from the eastern boundary, facing west. May 6, 2019.

Photo 5. View from center of the project area, facing north. May 30, 2019.

Photo 6. View of the project area from the eastern boundary, facing north. May 30, 2019.

Photo 7. View of disked project area, facing southwest. June 17, 2019.

Photo 8. View of disked project area from western boundary, facing east. June 17, 2019.

Photo 9. View of disked project area from eastern boundary, facing west. June 17, 2019.

Photo 10. View of disked project area from center of the project site, facing north. June 17, 2019.

Appendix B

Bird Species Observed During Breeding Season
Burrowing Owl Surveys – April 15, 2019 to June 17, 2019

Family	Code	Common Name	Scientific Name
Aegithalidae	BUSH	bushtit	*Psaltriparus minimus*
Columbidae	EUCD	Eurasian collared-dove	*Streptopelia decaocto*
Columbidae	MODO	mourning dove	*Zenaida macroura*
Columbidae	ROPI	rock pigeon	*Columba livia*
Corvidae	AMCR	American crow	*Corvus brachyrhyncos*
Corvidae	CASJ	California scrub-jay	*Aphelocoma californica*
Corvidae	CORA	common raven	*Corvus corax*
Falconidae	AMKE	American kestrel	*Falco sparverius*
Fringillidae	HOFI	house finch	*Haemorhous mexicanus*
Fringillidae	LEGO	lesser goldfinch	*Spinus psaltria*
Hirundinidae	BASW	barn swallow	*Hirundo rustica*
Hirundinidae	CLSW	cliff swallow	*Petrochelidon pyrrhonata*
Hirundinidae	NRWS	northern rough-winged swallow	*Stelgidopteryx serripennis*
Icteridae	BRBL	Brewer's blackbird	*Euphagus cyanocephalus*
Icteridae	BUOR	Bullock's oriole	*Icterus bullocki*
Icteridae	WEME	western meadowlark	*Sturnella neglecta*
Mimidae	NOMO	northern mockingbird	*Mimus polyglottos*
Parulidae	OCWA	orange-crowned warbler	*Oreothlypis celata*
Passerellidae	CALT	California towhee	*Melozone crissalis*
Passerellidae	SAVS	savannah sparrow	*Passerculus sandwichensis*
Passerellidae	SOSP	song sparrow	*Melospiza melodia*
Passeridae	HOSP	house sparrow	*Passer domesticus*
Sturnidae	EUST	European starling	*Sturnus vulgaris*
Trochillidae	ANHU	Anna's hummingbird	*Calypte anna*
Tyrannidae	CAKI	Cassin's kingbird	*Tyrannus vociferous*
Tyrannidae	SAPH	Say's phoebe	*Sayornis saya*
Tyrannidae	WEKI	western kingbird	*Tyrannus verticalis*

ATTACHMENT E

45-DAY REPORT FOR COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE OLIVE AVENUE DEVELOPMENT PROJECT

February 10, 2020

U.S. Fish and Wildlife Service
Attn: Ms. Stacey Love
Carlsbad Fish and Wildlife Office
2177 Salk Ave., Ste. 250
Carlsbad, CA 92008

Subject: 45-Day Report for Coastal California Gnatcatcher Surveys for the Olive Avenue Development Project, City of Rialto, San Bernardino County, California

Ms. Love:

This letter is a summary of the coastal California gnatcatcher (*Polioptila californica californica*; CAGN) protocol presence/absence surveys Rocks Biological Consulting (RBC) conducted for the proposed Olive Avenue Development Project (project) in the City of Rialto, San Bernardino County, California. Survey results were negative for CAGN.

Introduction

The proposed project would develop an existing vacant property that would include the construction of two industrial warehouse buildings and include approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,131 square feet of warehouse space for a total of 678,997 square feet. The remainder of the project site would be comprised of associated auto parking and landscaping.

The approximately 34.57-acre project site is located in the City of Rialto, San Bernardino County, California (Figure 1). The site is bounded by Base Line Road to the south, Cactus Avenue to the east, Fitzgerald Avenue to the west, and Jerry Eaves Park to the north (Figure 2).

Methods and Results

RBC conducted protocol presence/absence CAGN surveys throughout the approximately 34.57-acre project site and a 100-foot buffer between September 12, 2019 and January 2, 2020. The project site was previously disked within disturbed habitat (7.83 acres) and is composed of hard-packed soil, gravel, and cobble (Figure 3). Vegetation on-site was primarily non-native grassland and disturbed Riversidean sage scrub. Non-native grassland (3.79 acres) on-site is dominated by filaree (*Erodium botrys*), ripgut brome (*Bromus diandrus*), red brome (*Bromus rubens*), and slender wild oats (*Avena barbata*). On-site disturbed Riversidean sage scrub (17.09 acres) is dominated by

California sagebrush (*Artemisia californica*), sparse California buckwheat (*Eriogonum fasciculatum*), and deerweed (*Acmispon glaber*). Representative site photographs are presented in Attachment A.

Survey methods followed the United States Fish and Wildlife Service (USFWS) presence/absence protocol (USFWS 1997) for non-NCCP areas. RBC conducted nine CAGN surveys at least two weeks apart during the non-breeding season (August 1 to March 15). RBC surveyed all suitable CAGN habitat by using taped vocalizations to elicit a response from CAGN. Table 1 presents all survey dates, times, and conditions. A list of 19 bird species observed during the surveys is included as Attachment B. Surveyor field notes are presented in Attachment C.

Table 1. Survey Conditions During Coastal California Gnatcatcher Surveys for the Olive Avenue Development Project

Date	Survey Number	Survey Time	Temp (°F) Start-End	Sky Cover (%) Start-End	Wind Speed (mph) Start to End	Personnel
9/12/19	1	0845-0945	77-79	0-0	0-2; 0-2	Ian Hirschler (authorized under TE-063230-5.4)
9/26/19	2	0800-0900	68-71	70-60	1-3; 1-3	Ian Hirschler (authorized under TE-063230-5.4)
10/10/19	3	0910-1050	66-69	0-0	7-10; 10-12	Sarah Krejca (TE-99413B-0)
10/24/19	4	1015-1120	79-81	0-0	7-12; 6-10	Ian Hirschler (authorized under TE-063230-5.4)
11/7/19	5	0945-1100	73-76	0-0	1-3; 0-2	Ian Hirschler (authorized under TE-063230-5.4)
11/21/19	6	1000-1100	60-64	60-60	2-5; 1-3	Ian Hirschler (authorized under TE-063230-5.4)
12/5/19	7	0915-1015	62-63	25-25	1-4; 1-4	Ian Hirschler (authorized under TE-063230-5.4)
12/19/19	8	1000-1115	59-61	0-0	0-2; 4-7	Ian Hirschler (authorized under TE-063230-5.4)
1/2/20	9	0855-1045	52-61	5-5	5-10; 5-10	Sarah Krejca (TE-99413B-0)

Conclusion

RBC did not observe nor hear any CAGN within the project site or 100-foot buffer during the nine protocol surveys. Riversidean sage scrub habitat on the project site is disturbed and of low quality.

Please do not hesitate to contact me at (714) 345-8619 if you have any questions or concerns regarding this report.

We certify that the information in this survey report and attached exhibits fully and accurately represent our work.

Ian Hirschler
Authorized Individual TE-063230-5.4

Sarah Krejca
TE-99413B-0

Enclosures: Figure 1 – Project Location
Figure 2 – Survey Area
Figure 3 – Biological Resources
Attachment A – Site Photographs
Attachment B – Birds Species Observed During Coastal California Gnatcatcher Presence/Absence Surveys for Olive Avenue Development Project
Attachment C – Surveyor Field Notes

References

U.S. Fish and Wildlife Service (USFWS). 1997. Coastal California Gnatcatcher (*Polioptila californica californica*) Presence/Absence Survey Protocol. 5 pages.

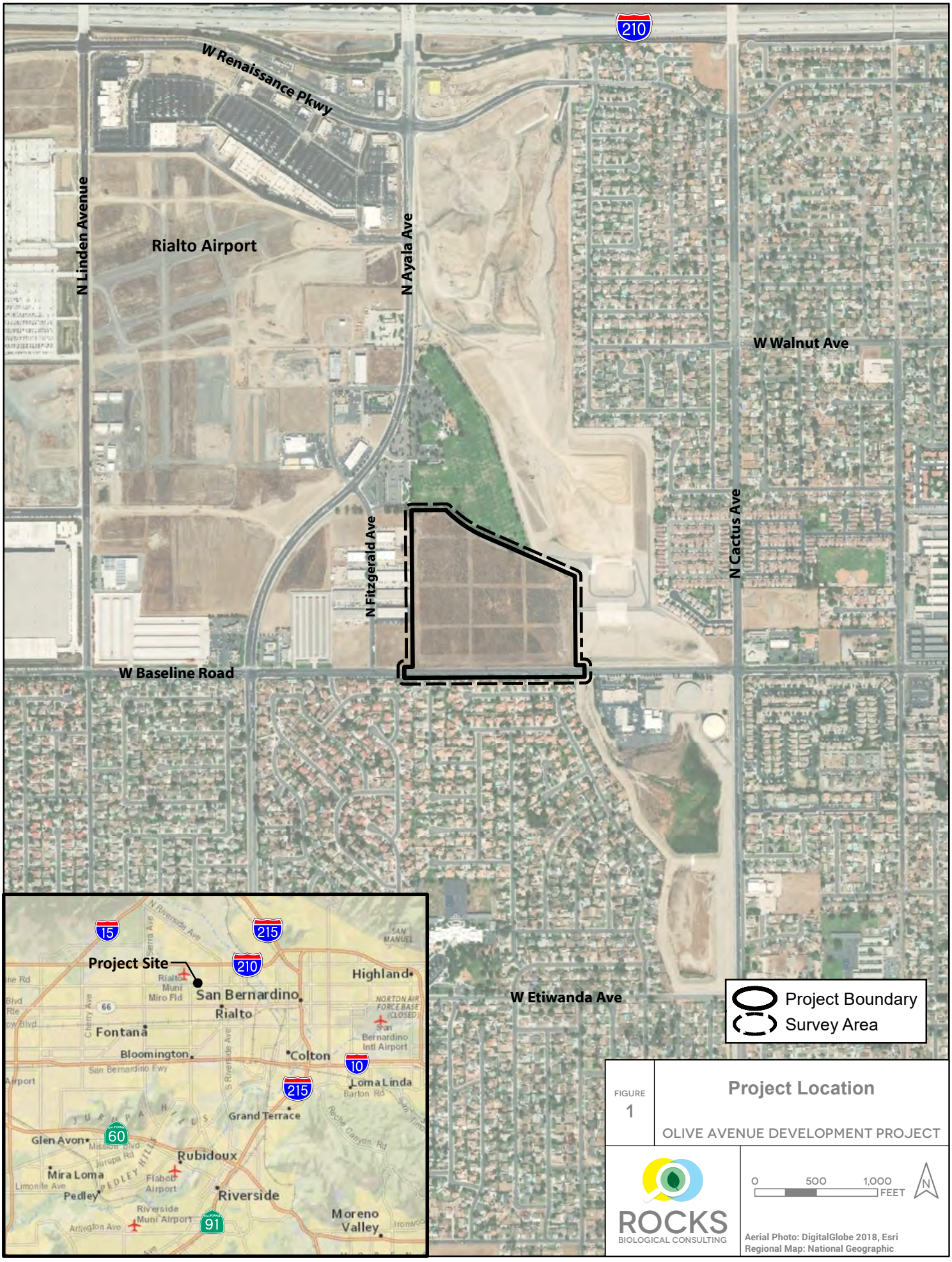


FIGURE 1

Project Location

OLIVE AVENUE DEVELOPMENT PROJECT

ROCKS BIOLOGICAL CONSULTING

0 500 1,000 FEET

N

Aerial Photo: DigitalGlobe 2018, Esri
Regional Map: National Geographic

FIGURE 2

Survey Area

OLIVE AVENUE DEVELOPMENT PROJECT

ROCKS BIOLOGICAL CONSULTING

0 150 300 FEET

N

Aerial Photo: Nearmap 2019

Project Boundary
Survey Area
Vegetation
CHN - Channel
DEV - Developed
DIST - Disturbed
EUC - Eucalyptus
NNG - Non-native Grassland
RSS-d - Disturbed Riversidean Sage Scrub
RUD - Ruderal

N Fitzgerald Ave
W Base Line Rd

FIGURE 3

Biological Resources

OLIVE AVENUE DEVELOPMENT PROJECT

ROCKS BIOLOGICAL CONSULTING

0 75 150 FEET

N

Aerial Photo: Nearmap 2019

ATTACHMENT A

SITE PHOTOGRAPHS

Attachment A

Site Photographs

Photo 1. View of the project area from the southeast corner, facing northwest. September 12, 2019.

Photo 2. View of the project site from the southwest corner, facing northeast. September 12, 2019.

Photo 3. View from center of the project site, facing north. September 12, 2019.

Photo 4. View from the center of the project site, facing west. September 12, 2019.

Photo 5. View of the disturbed Riversidean sage scrub on the project site, facing northwest. December 5, 2019.

Photo 6. View of disturbed roadways (foreground) and disturbed Riversidean sage scrub (background) on the project site. December 5, 2019.

Photo 7. View from the center of the project site, facing east. December 5, 2019.

Photo 8. View of the project site from the eastern boundary, facing west. January 2, 2020.

ATTACHMENT B

BIRD SPECIES OBSERVED DURING THE COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEYS FOR OLIVE AVENUE DEVELOPMENT PROJECT

Attachment B

Bird Species Observed During Coastal California Gnatcatcher
Presence/Absence Surveys for Olive Avenue Development Project

Family	Common Name	Scientific Name
Birds		
Accipitridae	red-tailed hawk	*Buteo jamaicensis*
Charadriidae	killdeer	*Charadrius vociferus*
Columbidae	mourning dove	*Zenaida macroura*
Columbidae	rock pigeon	*Columba livia*
Corvidae	American crow	*Corvus brachyrhyncos*
Corvidae	common raven	*Corvus corax*
Falconidae	American kestrel	*Falco sparverius*
Fringillidae	house finch	*Haemorhous mexicanus*
Fringillidae	lesser goldfinch	*Spinus psaltria*
Icteridae	western meadowlark	*Sturnella neglecta*
Parulidae	yellow-rumped warbler	*Setophaga coronata*
Passerellidae	California towhee	*Melozone crissalis*
Passerellidae	savannah sparrow	*Passerculus sandwichensis*
Passerellidae	white-crowned sparrow	*Zonotrichia leucophrys*
Strigidae	burrowing owl	*Athene cunicularia*
Sturnidae	European starling	*Sturnus vulgaris*
Trochillidae	Anna's hummingbird	*Calypte anna*
Tyrannidae	black phoebe	*Sayornis nigricans*
Tyrannidae	Say's phoebe	*Sayornis saya*

ATTACHMENT C

SURVEYOR FIELD NOTES

9/12/19 OLIVE GROVE CAGN SURVEY #1

	TIME	TEMP	CC	WIND
START	0845	77	0%	0-2
END	0945	79	0%	0-2

RTHA MODO HOFI CORA ROPI
UTA POPR SADD NWCS

NO CAGN

9/26/19 OLIVE GROVE CAGN #2

	TIME	TEMP	CC	WIND	
START	0800	68	70%	1-3	
END	0900	71	60%	1-3	
MODO	SAPH	EUST	ROPI	CORA	AMCR
HOFI	LEGO	WEME	KILL	AMKE	BUPH
CALT	ANHU				

NO CAGN.

10/10/19 OLIVE GROVE CAGN #3

SK, BB

	TIME	TEMP	CC	WIND
START	0910	66	9%	7-10
END	1050	69	0%	10-12

AMCR MODO SAPH HOFI WCSP SOSP.

NO CAGN.

10/24/19 OLIVE GROVE CAGN #4

	TIME	TEMP	CC	WIND
START	1015	79	0%	7-12
END	1120	81	0%	6-10

MODO SAUS ROPI AMKE CORA

NO CAGN.

11/7/19 OLIVE GROVE CAGN #5

	TIME	TEMP	CC	WIND
START	0945	73	0%	1-3
END	1100	76	0%	0-2

MODO CORA WCSP ROPI HOME
BUCKEYE SAPH YRWA ANHU

NO CAGN

11/21/19 OLIVE GROVE CAGN #6

	TIME	TEMP	CC	WIND
START	1000	60	60%	2-5
END	1100	64	60%	1-3

EUST	ROPI	MODO	ANHU	YRWA	SAVS
HOFI	RTHA	CORA	WCSP	WEME	CALT

NO CAGN

12/5/19 OLIVE GROVE CAGN #7

	TIME	TEMP	CC	WIND
START	0915	62	25%	1-4
END	1015	63	25%	1-4

SAPH WEME YRWA SOSP ANHU
MODD AMCR SAVS WCSP

NO CAGN

12/19/19 OLIVE GROVE CAGN #8

	TIME	TEMP	CC	WIND
START	1000	59	0%	0-2
END	1115	61	0%	4-7

ROPI	MODO	SAVS	NCSP	AMCR	BUPH
CAUT	ANHU	BUOW	WEME		

BUOW FLUSHED FROM NEAR BURROW.
NO SIGN @ BURROW OR ONES
NEARBY. POSSIBLY TRANSIENT.

NO CAGN

1/2/20 OLIVE GROVE CAGN #9
SK

	TIME	TEMP	CC	WIND
START	0855	52	5%	5-10
END	1045	61	5%	5-10

HOFI ANHU WCSP SOSP MODO BLPH
WEME BUOW AMCR SAVS ROPI

NO CAGN

1 BUOW FLUSHED @ SAME PT AS IAN'S 12/19 OBSERVATION. NO SIGN @ ENTRANCES TO BURROWS. BUOW FLEW S, STAYING ON-SITE, THEN LOST VISUAL.

ATTACHMENT F

RESULTS OF A TRAPPING SURVEY FOR THE FEDERALLY AND STATE-ENDANGERED SAN BERNARDINO KANGAROO RAT

November 25, 2019

Ms. Stacey Love
Recovery Permit Coordinator
Carlsbad Fish and Wildlife Office
2177 Salk Avenue, Suite 250
Carlsbad, CA 92008

Subject: Results of a trapping survey for the federally and state-endangered San Bernardino kangaroo rat (*Dipodomys merriami parvus)* on the approximately 31.4-acre Olive Grove Industrial Project Site in Rialto, San Bernardino County, California.

Dear Ms. Love,

This report presents the results of a trapping survey for the federally endangered San Bernardino kangaroo rat (*Dipodomys merriami parvus*; SBKR*)* on the site of the proposed Olive Grove Industrial Project site north of Baseline Rd in Rialto, San Bernardino County. The project site is on the Fontana USGS 7.5-minute topographic map (T1N, R5W, $SE^{1/4}$ of Section 34). The UTM coordinates of the approximate center of the site are 11S 463977E/ 3775855N (NAD 83). Figure 1, *Vicinity Map*, shows the location of the project site. Appendix A contains site photos.

INTRODUCTION

The project would build two warehouses (409,725 and 251,002 square feet) on the approximately 31.4-acre site and widen Base Line Road along the southern border of the site. The project site is located on vacant, upland habitat approximately 1.3 miles west of Lytle Creek wash. The site is bordered by Base Line Rd to the south, a flood control basin to the east (two of four basins in the Cactus Basin facility), a small community park (Jerry Eaves Park) to the north, and a light industrial park and North Fitzgerald Ave to the west.

SBKR was emergency listed under the Federal Endangered Species Act (USFWS 1998a) and then confirmed as "endangered" in 1998 by the U.S. Fish and Wildlife Service (USFWS 1998b). The Final Critical Habitat designation for this species (USFWS 2008) includes portions of the Cajon Wash and Lytle Creek alluvial systems, a major part of the eastern portion of the Santa Ana River, and eastern sections of the San Jacinto River. SBKR is a designated candidate for listing under the California Endangered Species Act (California Fish and Game Commission, 2019).

SBKR occur mainly on Riversidean alluvial fan sage scrub habitat (RAFSS), which is a plant community with coastal sage scrub and chaparral elements on alluvial terraces and braided river channels in southern California (McKernan 1997). SBKR can also occur in abandoned agricultural fields and orchards, but usually only when such habitats are in proximity to suitable natural habitats. SBKR generally occur in habitats associated with active stream channels. SBKR abundance is greatest where there is sandy substrate with low-to- moderate perennial vegetative cover (less than 30 to 50 percent), and without dense cover of non-native annual plants (McKernan 1997). Root's (2010, 2008a, b) analysis of SBKR occurrence in the Wooly Star Preserve Area of the Santa Ana River wash found that SBKR occupancy is negatively correlated with dense cover of non-native grasses and areas where boulders and rocks dominate the surface.

SBKR occurrence was positively correlated with sandy sparse ground cover and the perennial bush scalebroom (*Lepidospartum squamatum*).

METHODS

Prior to the field survey, the literature was reviewed for SBKR records in the project region. The literature included the California Natural Diversity Database (CDFW 2019), museum records (Vertnet.org 2019), and SBKR survey reports. The project site was surveyed on foot on September 22, 2019 to assess SBKR habitat potential based on vegetation, soil, and slope characteristics. The habitat assessment concluded that the project site had low potential to support SBKR due to the dense shrub and non-native grass cover across much of the site.

A live-trapping survey was carried out over five consecutive nights from September 22-26, 2019. The live-trapping survey covered all potentially suitable SBKR habitat on the site, emphasizing open areas along the dirt roads and openings within the dense Riversidean sage scrub and non-native grassland cover. A total of 200 large (3 x 3.75 x 12") Sherman live-traps was set nightly. Traps were opened and baited with bird seed within one hour of sunset and checked at night and in the morning. All trapped animals were identified and released immediately at the point of capture. A total of 1,000 trap-nights was accrued during the field survey. Trapping was conducted by Phil Brylski, Ph.D. (USFWS permit TE148555-2 and CDFW MOU). Figure 2, *Trap Transects*, shows the trap transects and locations on an aerial photo.

RESULTS

Site Description

The site is vacant and flat (slope < 1% to the southeast) with an elevation of approximately 1,350 to 1,390 feet. The soils on the site are Tujunga gravelly loamy sand and Hanford coarse sandy loam (NRCS 2019), which are suitable for SBKR.

The dominant plant communities on the project site are Riversidean Sage Scrub and non-native grassland. Disturbed habitat is common in the dirt roads that cross the site. The plant communities on the site are shown in Figure 3, *Plant Communities*, and are described as follows:

Riversidean sage scrub (Photos 1-5). The Riversidean sage scrub on the project site is dominated by California buckwheat (*Eriogonum fasciculatum*) and coastal sagebrush (*Artemisia californica*), with scattered holly-leaved cherry (*Prunus ilicifolia*). Other plants include deerweed (*Acmispon glaber*), California croton (*Croton californicus*), short pod mustard (*Hirschfeldia incana*), and tocalote (*Centaurea melitensis*). The understory is dominated by non-native grasses such as ripgut brome (*Bromus diandrus*) and red brome (*Bromus rubens*). The Riversidean sage scrub on the project site is largely dense, with over 85% cover. However, two relatively small patches of open scrub habitat occur in the northwestern and northeastern corners of the site (Photos 4 and 5).

Non-native grassland (Photos 6-8). The non-native grassland on the project site consists of dense cover of red brome, ripgut brome, slender wild oat (*Avena barbata*), and long-beak filaree (*Erodium botrys*). Also present are short pod mustard, tocalote, common fiddleneck (*Amsinckia menziesii*), and Russian thistle (*Salsola tragus*).

Disturbed (Photo 9-11). A major habitat feature of the site are the graded dirt roads that cross the site in north-south and east-west directions (see Figure 3, *Trap Locations*).

Ruderal (Photo 12). The ruderal plant community on the site occurs in patches between the sage scrub and non-native grassland habitats. Common species include short pod mustard, tocalote, long beaked filaree, and dove weed, and the non-native grasses ripgut brome and red brome.

Eucalyptus Woodland. The eucalytpus (*Eucalyptus* spp.) woodland occurs along the northern boundary of the project site within Jerry Eaves Park.

Developed. Developed areas within the study area are composed of sidewalk and portions of Base Line Road and Fitzgerald Avenue, and the concrete lined Cactus channel, located in the southeastern corner of the project site. The developed areas are largely devoid of vegetation. Photo 13 shows the southern-most Cactus Basin percolation basin at the time of the SBKR survey.

Project Site in Relation to SBKR Historical Range, Habitat, and Critical Habitat

The Rialto area is within historic suitable habitat for SBKR in the northern San Bernardino Valley (McKernan 1997). The project site is approximately 1.3 miles west of Lytle Creek wash, one of the four habitat subunits important for SBKR recovery with numerous records in the California Natural Diversity Database (CNDDB; CDFW 2019). The online database of museum mammal specimens (Vertnet.org 2019) does not contain any museum records in the project vicinity. The project site is separated from Lytle Creek by dense residential and commercial development, which lack habitat value for SBKR. The project site is not within designated critical habitat for SBKR (FWS 1998, 2008, http:// criticalhabitat.fws.gov/ crithab/).

The dense Riversidean sage scrub and non-native grassland habitats that dominate the site are generally unsuitable for SBKR. Areas with open cover occur mainly along the graded dirt roads that cross the site. The site is considered to have low potential for SBKR at the time of the live-trapping survey. No kangaroo rat (SBKR or Dulzura kangaroo rat, *D. simulans*) sign (burrows, scat, tail drag) was observed anywhere on the site.

Previous SBKR Surveys in the Project Vicinity

The project site is in the southeast corner of a rectangular patch of land around the old Rialto Municipal Airport that had been agricultural and rural residential land uses, and vacant lands with upland habitats. Since the closing of the airport in 2014, the area has developed with warehouses and light industry. Four SBKR surveys were carried out in this area from 2009 to 2017 with the following results:

- SBKR surveys carried out along the western side of the old Rialto Municipal Airport in 2009 and 2012 yielded no SBKR captures (Brylski, 2009; Montgomery, 2012). These surveys occurred in disturbed California buckwheat scrub habitat, ruderal, and senescent alluvial fan sage scrub approximately 1.15 to 1.3 miles west/northwest of the project site.

- SBKR surveys carried in 2012 and 2017 north and west of the old Rialto Municipal Airport in 2009 and 2012 yielded no SBKR captures (O'Farrell, 2010; Montgomery, 2017). These surveys occurred in disturbed California buckwheat scrub, senescent alluvial fan sage scrub, and non-native grassland habitats approximately 0.4 miles to 1.6 miles north/northwest of the project site.

The project site is bordered to the east and northeast by the Cactus Basin, a flood control facility comprised of four percolation basins. Four SBKR surveys carried out in the basins between 2001 and 2012 (Natural Resource Associates, 2001, 2006, 2009, 2012) yielded no SBKR in 2001 and 2009 and one SBKR occurrence in 2006 and in 2012, in open sage scrub habitats within the basins. The 2006 SBKR capture was approximately 250 feet east of the proposed project's eastern boundary. The 2012 SBKR occurred in the northeastern corner of the Cactus Basin, approximately 0.57 miles north of the proposed project site's northern boundary. These results indicate that SBKR occurred in trace densities in the Cactus Basin in the 2001 to 2012 survey period. Gravel mining and flood control infrastructure works (San Bernardino County Flood Control District, 2012) have reduced scrub habitats in the Cactus Basin, and may have reduced the potential for SBKR occurrence there (Photo 13 shows the southern Cactus Basin immediately east of the project site at the time of the current SBKR survey).

SBKR Survey Results

Although there was low expectation of SBKR at the project site based on the predominantly dense vegetation, the site is within the historical range of the species and contains scrub vegetation, which SBKR has the potential to utilize. Therefore, a live-trapping survey was carried out to address SBKR presence/absence on the site.

Weather conditions were mild during the survey. Air temperatures ranged from 61 to 75°F and wind speeds were low (0 to 6 mph). Cloud cover ranged from 0-100%. No precipitation occurred during the survey. Table 1 summarizes the weather during the survey.

Table 1. Weather Conditions

Date	Temperature (F)*	Cloud Cover (%)	Wind (mph)
9-23	75/70	0	0-2
9-24	70/72	0	3-6
9-25	70/70	0	0
9-26	69/63	100	2-3
9-27	67/61	100	0

* night-time/morning temperatures

The survey yielded no SBKR captures and low numbers of three other small mammal species: the deer mouse (*Peromyscus maniculatus*), harvest mouse (*Reithrodontomys megalotis*), and house mouse (*Mus musculus*). Table 2 summarizes the captures.

Table 2. Summary of Small Mammal Captures

Date	Species		
	PMAN	RMEG	MMUS
9-23			3
9-24		1	2
9-25	2		3
9-26	2	1	1
9-27	1	1	
Total	**5**	**3**	**9**

PMAN: deer mouse, *Peromyscus maniculatus*
RMEG, harvest mouse (*Reithrodontomys megalotis*)
MMUS: house mouse (*Mus musculus*)

DISCUSSION

No SBKR were captured in the trapping survey of the project site. The absence of SBKR captures is attributable to the low quality of habitat. The sage scrub and non-native grassland habitats on the site provide dense ground coverage, which makes them generally unsuitable for SBKR.

The project site is an upland area with dense vegetative cover without seasonal alluvial disturbance, and in this regard is similar to other upland habitats around the old Rialto Airport that yielded no SBKR captures in surveys between 2009 to 2017. SBKR occurrence in the Cactus Basins east/northeast of the project site are likely related to the disturbances associated with flooding and gravel mining, which are lacking on the project site.

CONCLUSION

No SBKR were captured in the trapping survey of the project site. The absence of SBKR captures is attributable to the low quality of habitat. The absence of SBKR in the current trapping survey indicates that there would be no impacts to SBKR as a result of the proposed project.

Of the three small mammals captured, none are listed by state or federal agencies as threatened or endangered or as California Species of Special Concern, as follows:

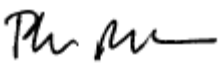
State or Federally Listed Species
- None

California Species of Special Concern
- None

Non-Status Species
- deer mouse (*Peromyscus maniculatus*)
- harvest mouse (*Reithrodontomys megalotis*)
- house mouse (*Mus musculus*) Introduced

I certify that the information in this survey report and attached exhibits fully and accurately represents my work. Please contact me if you have any questions regarding this survey report.

Sincerely,



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REFERENCES

Brylski, P. 2009. San Bernardino Kangaroo Rat Live-Trapping Survey, Southern California Edison Alder/Declez Project Site, San Bernardino County, California. Prepared for BioResource Consultants. 12 pp.

California Department of Fish and Wildlife (CDFW) Natural Diversity Database. 2019. California Natural Diversity Database, Element reports for the San Bernardino kangaroo rat. California Department of Fish and Game, Natural Heritage Division, Sacramento, California.

California Fish and Game Commission. 2019. Notice of Findings, San Bernardino kangaroo rat (*Dipodomys merriami parvus*). 1p.

McKernan, R.L. 1997. The status and known distribution of the San Bernardino kangaroo rat (*Dipodomys merriami parvus*): field surveys conducted between 1987 and 1996. Prepared for the U.S. Fish and Wildlife Service, Carlsbad, California.

NRCS (Natural Resources Conservation Service). 2019. Custom soil resource report for Western Riverside area, California. (http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx).

Natural Resources Assessment. 2012. San Bernardino Kangaroo Rat *(Dipodomys merriami parvus)* Presence/ Absence Trapping Studies, Cactus Basins Improvement Project, Rialto, California. Prepared for Lilburn Corp., San Bernardino.

___. 2009. Presence/ Absence Trapping Studies for the San Bernardino kangaroo rat Cactus Basin Number 3 project, Rialto, California. Prepared for Lilburn Corp., San Bernardino.

___. 2006. Presence/Absence Trapping Studies for the San Bernardino Kangaroo Rat, Cactus Basin Number 3 Project, Rialto, California. Report prepared for Lilburn Corporation, San Bernardino, California

___. 2001. Presence/Absence Trapping Studies for the San Bernardino Kangaroo Rat Cactus Basin Number 3 Project, Rialto, California. Prepared for Tetra Tech, Inc. San Bernardino, California.

O'Farrell, M. 2010. San Bernardino Merriam's kangaroo survey – 36.03 acre portion of Renaissance Specific Planning Areas 22a, 22c and 23, Rialto California.

Montgomery, S. 2017. Results of trapping surveys for the federally endangered San Bernardino kangaroo rat (*Dipodomys merriami parvus* [SBKR]) at the Renaissance Specific Plan Area Amendment Project Site in the City of Rialto, San Bernardino County, California. 14pp.

Root, B. 2010. 2005-2009 San Bernardino kangaroo rat survey analyses from the Wooly Star Preserve area, San Bernardino County, California. Report prepared for the U.S. Army Corps of Engineers, Los Angeles District. 116 pp.

---. 2008a. 2005-2007 San Bernardino Kangaroo Rat Mark-Recapture Survey Analyses from the Woolly Star Preserve Area, San Bernardino County, California. Report prepared for the U.S. Army Corps of Engineers, Los Angeles District. 87 pp.

---. 2008b. 2006-2007 San Bernardino kangaroo rat occupancy survey analyses from the Wooly Star Preserve area, San Bernardino County, California. Report prepared for the U.S. Army Corps of Engineers, Los Angeles District. 153 pp.

San Bernardino County Flood Control District. 2012. Upper Cactus Basins Flood Control System Enhancement Project Draft Supplemental Environmental Impact Report SCH No. 1987110914. 108pp.

U. S. Fish and Wildlife Service. 2008. Designation of critical habitat for the San Bernardino kangaroo rat (*Dipodomys merriami parvus*); final rule. Federal Register 73 (202): 61936-62002.

___. 1998a. Emergency rule to list the San Bernardino kangaroo rat, San Bernardino and Riverside Counties, as endangered. Fed. Reg. 63:3835-38431.

___. 1998b. Final rule to list the San Bernardino kangaroo rat, San Bernardino and Riverside Counties in Southern California, as Endangered. Federal Register 63 (17): 51005-51017.

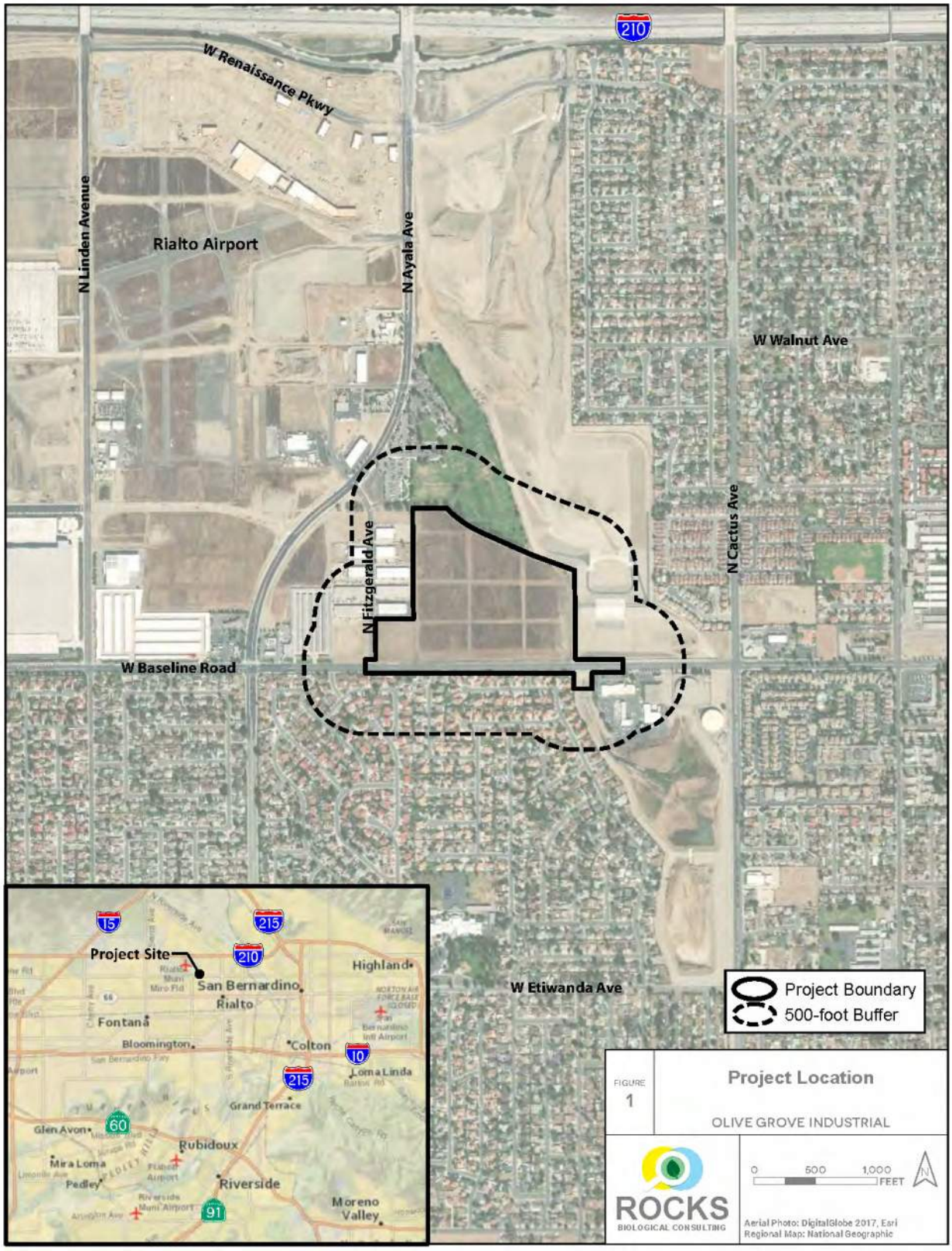

Figure 1. Vicinity map

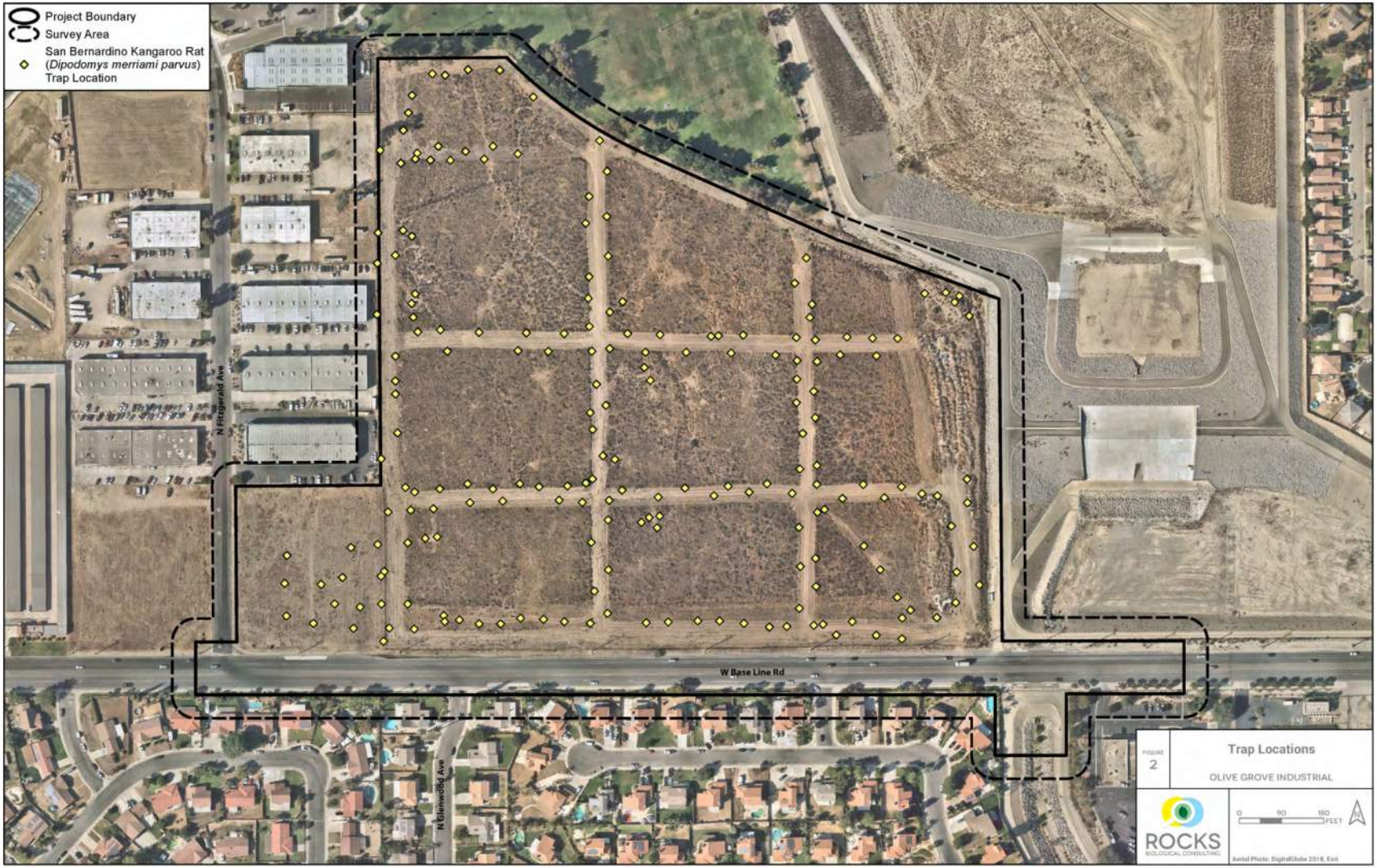

Figure 2. Trap locations

Figure 3. Plant communities.

Appendix A. Site Photos

Photo 1. Riversidean sage scrub and non-native grassland typical of the project site, looking east

Photo 2. Riversidean sage scrub, looking west

Photo 3. Riversidean sage scrub with non-native grassland understory, looking north

Photo 4. Sparse sage scrub in northwestern corner of project site, looking northeast

Photo 5. Sparse sage scrub in northeastern corner of project site, looking northeast

Photo 6. Non-native grassland with sage scrub in background, looking north

Photo 7. Dense non-native grassland mixed with ruderal plant species, looking east

Photo 8. Non-native grassland, looking southeast

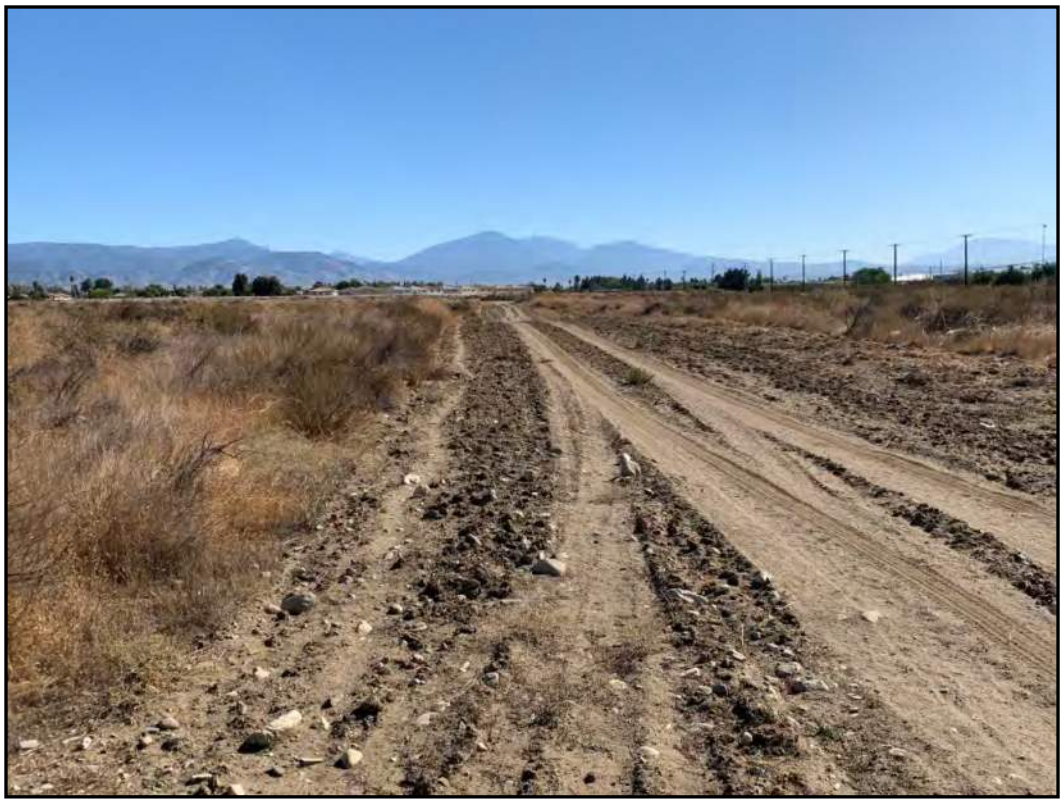

Photo 9. Disturbed road habitat, looking east

Photo 10. Disturbed road habitat, looking north

Photo 11. Disturbed road habitat, looking east

Photo 12. Ruderal habitat in western edge of project site, looking north

Photo 13. Cactus Basin (#3A) east of project site, looking east

APPENDIX D

CULTURAL RESOURCES

ASM affiliates
Archaeology • History • Ethnography • Architectural History

May 13, 2021

Davie Cowan, P.E.
Kimley-Horn
401 B Street, Suite 600
San Diego, California 92101

Re: Cultural Resource Study Findings Memo for the Olive Avenue Development Project, City of Rialto, San Bernardino County, California

Dear Mr. Cowan,

This letter report documents the results of the cultural resource study conducted by ASM Affiliates, Inc. (ASM) for the Olive Avenue Development Project (Project). The study was completed in support of Kimley-Horn's preparation of a Subsequent EIR to address the potential environmental impacts of the proposed project pursuant to the required provisions of the California Environmental Quality Act (CEQA), Public Resources Code Section 21000 *et seq*., and State CEQA Guidelines Section 15063. The City of Rialto (City) is the lead agency for the Project.

The study included a records search at the South Central Coastal Information Center (SCCIC), a search of the Sacred Lands File of the California Native American Heritage Commission (NAHC), and a pedestrian survey of accessible portions of the Project area to determine the presence or absence of historical resources as defined by CEQA.

PROJECT DESCRIPTION AND LOCATION

The proposed Project site is located in the central portion of the City, north of Baseline Road, east of Fitzgerald Avenue, and southeast of Rialto Municipal Airport within the Rialto Airport Specific Plan Area in the City of Rialto, San Bernardino County, California (APN 0264-213-18). The Project site is currently vacant and is bounded by Jerry Eaves Public Park to the north, vacant land and single-family residential uses to the east, West Baseline Road and single-family residential uses to the south, and vacant land and industrial uses to the west. The overall Project site is approximately 31.60 acres / 31.08 net acres. The Project area is shown on the USGS 7.5-minute Fontana, Calif. topographic quadrangle in Section 34, Township 1 North, Range 5 West (Figure 1).

Historically, from at least the 1930s to the late 1960s, the site was used for agricultural purposes, with the possibility of vineyard operations and associated structures. During the 1950s until the late 1960s, extensive sand and gravel mining was done on the eastern portion of the project site. From at least 1967 to present, the land has been vacant and has returned to natural conditions. The heavy growth of vegetation was disced in 1991 to form a pattern of rectangles and squares. In recent years, the site has been rough graded and currently a few random, winding dirt trails are evident in the northwest portion of the project site.

The proposed project provides for the existing property of approximately 31.60 acres / 31.08 net acres to be divided into two separate lots with an individual industrial warehouse building on each lot, allowing each of the two proposed buildings to have its own legal parcel. These industrial buildings will be ±430,581 square feet on the western lot and ±248,809 square feet on the eastern lot, with truck parking lying between the two. Each facility consists of dock-high loading doors, trailer storage parking, and

employee parking. In addition, Baseline Road will be widened per the City of Rialto General Plan along the southerly property line of the project.

CULTURAL AND ENVIRONMENTAL SETTING

Natural Setting

The City of Rialto located approximately 40 mi. east of the City of Los Angeles, situated in the San Bernardino Valley and northwest of the Santa Ana River channel. The Project site lies in the central portion of Rialto. Elevations range from approximately 1,390 ft. above mean sea level at the northwestern corner to 1,360 ft. at the southeastern corner. The City is largely urbanized and surrounded by other developed cities; the setting surrounding the Project area is primarily business/industrial.

Prehistoric Cultural Setting

The following brief overview of the prehistory of the region is adapted from Moratto (1984), Warren (1984), and Warren and Crabtree (1986).

Lake Mojave Period (Paleo-Indian and Early Archaic; ca. 12,000 – 7000 B.P.

The Lake Mojave complex represents the earliest human occupation in the Mojave Desert region, beginning at about 12,000 B.P. (Grayson 1993; Wallace 1962). Considered a Paleo-Indian assemblage, it is thought to be ancestral to the Early Archaic cultures of the subsequent Pinto period (Warren and Crabtree 1986:184). Claims for archaeological assemblages dating to periods earlier than Lake Mojave period, such as those made for Tule Springs (Harrington and Simpson 1961), China Lake (Davis 1978), and Manix Lake (Simpson 1958, 1960, 1961), are controversial and, even if eventually proven to be authentic, these manifestations appear to have no relationship to later cultural developments in the region (Warren and Crabtree 1986). This era, at the close of the Pleistocene, was a time of extreme environmental change as the relatively cool and moist conditions of the terminal Wisconsin glacial age were gradually replaced by the warmer and drier conditions of the Holocene (Spaulding 1990). Desertification continued throughout the period with mesquite appearing by ca. 8000 B.P. (DuBarton et al. 1991).

Cultural materials characteristic of the Lake Mojave Complex include Lake Mojave, Parman, Silver Lake, and rare fluted projectile points (Clovis). Other artifacts typically found in these assemblages include lunate and eccentric crescents, small flake engravers, technical scrapers, leaf-shaped knives, drills, and heavy choppers or hammer stones. Milling stones are generally absent in the Lake Mojave Complex (Campbell et al. 1937; Warren and Crabtree 1986).

In the Mojave Desert and southern Great Basin, this assemblage is typically (but not exclusively) found in association with Late Pleistocene/Early Holocene lake stands and outwash drainages, although the role of the lakes in the overall adaptation remains in dispute (e.g., Bedwell 1970, 1973; Davis 1978; Warren 1967; Willig 1988). Some researchers have argued that lacustrine resources were the subsistence focus, while others suggest that grasslands suitable for the grazing of Late Pleistocene megafauna would have surrounded the lakes, and that these were the primary subsistence focus of the Lake Mojave cultures. Warren (1967) postulated that the assemblages are the remains of a widespread, generalized hunting adaptation found throughout the western Great Basin. Bedwell (1970, 1973), Hester (1973), and others interpret the same assemblages as indicating a specialized exploitation of the lacustrine resources of the pluvial lakes and call the complex the "Western Pluvial Lakes Tradition." Jonathan O. Davis (1978) proposes a combination of these models positing a generalized hunting and collecting economy, in which lakeside sites represent the seasonal exploitation of marsh resources.

This complex represents Early Man in the Mojave Desert, and exhibits similarities to sites in the western Great Basin and to the San Dieguito complex of the southern California culture area (Warren and

Crabtree 1986). Alternate designations for the manifestation of the complex in the interior desert area include: Lake Mojave Culture (Campbell et al. 1937; Wallace 1962), San Dieguito Complex (Warren 1967) and Western Pluvial Lakes Tradition (Bedwell 1970; Moratto 1984). Establishing strong temporal definition of the period is also hampered by the shortage in datable sites throughout the Great Basin and Mojave Desert. Few sites dating to the early portion of the Lake Mojave period have been excavated and little direct evidence of subsistence practices has been reported. When sites do contain datable materials, artifacts are generally found on the surface with no stratigraphic separation. Unlike sites in the Southwest, no early Great Basin projectile point types have been found in undisputed association with the large mega-fauna known to have existed during that time (Warren and Crabtree 1986:184). Characterization of this period of prehistory in California is extremely complex due to the large number of competing models. For detailed discussions of the Lake Mojave period, see Moratto (1984), Warren and Crabtree (1986), and Warren's contributions in Blair et al. (2004).

Pinto Period (Middle Archaic; ca. 7000 - 4000 B.P.)

The transition from pluvial to arid conditions at the end of the early Holocene appears to have been the most extreme environmental change in the southern Great Basin during post-Pleistocene times. Increasingly arid conditions prevailed throughout the region between about 7500 and 5000 B.P. (Hall 1985; Spaulding 1991). Woodland environments reached their approximate modern elevations and the modern desert scrub communities appeared with the migration of plant species such as creosote bush into the area.

Warren (1984) sees the cultural manifestations of this period as indicative of adaptation to increasing aridity. As the Pleistocene lakes and rivers dried up and plant and animal life changed, human populations adapted or withdrew to more desirable areas. Pinto populations appear to have withdrawn to desert margins and scattered oases, undergoing the changes as the Pinto Basin Complex assemblages gradually replace those of the preceding Lake Mojave period (Warren 1984:414). As in the Lake Mojave period, Pinto period sites are usually found in open settings in relatively well-watered locales representing isolated oases of high productivity. Artifacts dating to the Pinto period include Pinto series projectile points, leaf-shaped points and knives, domed and elongated keeled scrapers, and occasional Lake Mojave and Silver Lake points. Simple flat milling stones, occasional shallow-basined milling stones, and hand stones also occur in Pinto period sites (Warren and Crabtree 1986:184-187). Warren (1990) attributes the latter development to the exploitation of hard seeds, which is seen as part of a process of subsistence diversification brought on by increased aridity and reduced ecosystem carrying capacity. Big-game hunting probably continued as an important focus during this time, but the economic return of this activity likely decreased as artiodactyl populations declined in response to increased aridity (Warren and Crabtree 1986).

The appearance of Pinto projectile points in the archaeological record denote this period in the Mojave Desert, although their dating remains controversial (Lyneis 1982:176; Schroth 1994; Warren 1984). Warren and Crabtree (1986) and Warren (1984:414) postulate that the Pinto Complex represents a continuation and evolution from the hunting complexes of the Lake Mojave period. During this period, small, mobile populations continued to be dependent upon hunting and gathering. The use of grinding implements is expanded; however, these were poorly developed as might be expected in a newly acquired technology. This development suggests that the processing of hard seeds was becoming more important in the subsistence system, although it is believed that Pinto period people maintained a mobile subsistence strategy focused primarily on the hunting of highly ranked large game (Elston 1982).

The question of how people adjusted to environmental change is central to varying interpretations of the Pinto period (Warren 1984:410-411). Some (Donnan 1964; Kowta 1969; Wallace 1962) argue the desert was essentially abandoned between 7000 and 5000 B.P., while others (Susia 1964; Tuohy 1974; Warren 1980) argue that no evidence of an occupational hiatus of such magnitude exists in the archaeological

record. The ongoing debate revolves around the definition and dating of Pinto projectile points (Schroth 1994; Warren and Crabtree 1986:184).

Gypsum Period (Late Archaic; ca. 4000 - 1500 B.P.)

Gradual improvement of the climate began by around 5000 B.P. culminating in the Neoglacial at about 3600 B.P. A period of greater effective moisture emerged in the latter part (by 3000-4000 B.P.) of the middle Holocene (for an overview of Neoglacial and Little Ice Age environments in the Mojave Desert, see Enzel et al. 1989, 1992; Spaulding 1995). At this time, the barren pans in the Mojave Sink intermittently held perennial water (Enzel et al. 1992), although it is not known if this was the case for other closed basins in the region.

The Gypsum period is characterized by population increases and broadening economic activities as technological adaptation to the changing environment evolved. Hunting continued to be an important subsistence activity, but the increase in the occurrence and diversity of ground stone artifacts indicate that plant foods were becoming a more important subsistence item. The reduction in the size of projectile points about 1350 B.P. marks the introduction of the bow and arrow (Bettinger and Eerkins 1999), increasing the efficiency of hunting and possibly indicating a shift from larger to smaller game. Perhaps as a result of these new adaptive mechanisms, the increase in aridity during the late Gypsum period (after ca. 2500 B.P.) seems to have had relatively little consequence on the distribution and increase in human populations (Warren 1984:418-420; Warren and Crabtree 1986:189).

The use of rock shelters appears to have increased at this time although the occupation of open sites continues. Base camps with extensive midden development are a prominent site type in well-watered valleys and near concentrated subsistence resources (Warren and Crabtree 1986). Additionally, several types of special purpose sites in upland settings begin to appear during this period. Considerable evidence is present indicating increased contact with the California coast and the Southwest, and the presence of split-twig figurines and zoomorphic petroglyphs, thought to date to this period, suggest a rich ritual life was present (Fowler and Madsen 1986). Evidence of this increased ritual life is clearly seen in the archaeological record at Newberry Cave (Davis and Smith 1981), where split-twig figurines, ritual bows, arrows, pictographs, and what was interpreted as a wand were recovered supporting what was interpreted as ritual hunting magic.

Gypsum period artifact assemblages are characterized by medium- to large-stemmed and notched projectile points (i.e., Elko series, Humboldt Concave Base, and Gypsum types). The assemblages also include rectangular-based knives, flake scrapers, infrequently large scraper planes, choppers, and hammer stones. Milling equipment becomes more common and the mortar and pestle appear for the first time.

Sites dated to the Gypsum period are well represented in the mountains and in adjoining areas toward the coast. The Siphon site in Summit Valley, characterized by Sutton et al. (1993) as a middle to late Millingstone horizon base camp, has been dated to about 1550 B.C. Other sites in the area from this period include those at Yucaipa (Grenda 1998) and at Prado Basin (Grenda 1995). In general, the Gypsum period was a time of intensified settlement and exploitation of the desert valley floor and surrounding mountains.

Saratoga Springs Period (ca. 1500 - 750 B.P.)

During the Saratoga Springs period, marked regional diversification in artifact and site types is evidenced throughout the region (Warren and Crabtree 1986). The primary projectile point types of the southern Mojave Desert—and by extension, the San Bernardino Mountains—are Cottonwood and Desert Side-notched points. The Rose Spring types common to the north are rarer in the San Bernardino Mountains but have found around Baldwin Lake, while Eastgate and Rose Spring points began to dominate assemblages in other parts of the Mojave Desert and southern Great Basin (Lyneis 1982). These regional

variations might have been the result of intensified contact with neighboring groups along the coast, in the mountains, and in the southwest. Evidence from the Oro Grande site on the Mojave River below the northern slopes of the San Bernardino Mountains indicates trade with coastal groups during this period and a more structured settlement hierarchy centered on large village sites (Rector et al. 1983). Cultural developments south of the Mojave River and Providence Mountains diverge from those in the northern area during this period, reflecting influence from Hakataya developments along the lower Colorado.

Ceramics were likely introduced into the region during this period, though evidence is scarce. Lower Colorado Buff Ware and Tizon Brown Ware ceramics are often associated with Cottonwood and Desert Side-notched points and likely date from the very end of the Saratoga Springs period and into protohistoric times. Unlike some communities farther to the north who were using Anasazi-inspired pottery as early as A.D. 500 (Warren 1984:421–422), the southern desert and mountain groups seem to have concentrated on contacts with coastal communities. For example, marine shell beads are much more common at Saratoga Springs period sites, suggesting trade with the southern California coast, probably along the Mojave River valley route later known as the Mojave Trail (Warren 1984).

Evidence for Ancestral Puebloan influence or occupation is limited to the occurrence of pottery, which has been found as far west as the Halloran Spring (Blair 1985; Blair and Winslow 2004; Leonard and Drover 1980; Rogers 1929; Warren 1980) and the Cronise Basin in California (Larson 1981; Rogers 1929). It is unclear whether the pottery was left by small foraging or hunting parties (Berry 1974:83-84; Fowler and Madsen 1986:180; James 1986:114-115; Rafferty 1984:30-35; Shutler 1961:7; Warren and Crabtree 1986:191), the result of Ancestral Puebloan people working the turquoise mines near Halloran Springs (Blair 1985:2-4; Blair and Winslow 2004; Leonard and Drover 1980:251; Rogers 1929:12-13; Warren 1980:81-84), or if it was being traded along the Mohave trading route along with shells, obsidian and salt (Harrington 1927:238-239; Heizer and Treganza 1944; Hughes and Bennyhoff 1986; Morrissey 1968; Pogue 1915:46-51; Ruby 1970; Shutler 1961:58-66). Overall, the nature of the Ancestral Puebloan presence in the Mojave Desert is poorly understood at this time and warrants future research. In contrast, a strong Ancestral Puebloan influence is seen in the northeastern Mojave, where this horticultural people (termed the Lowland Virgin Branch Anasazi) resided in residential communities along the Muddy and lower Virgin rivers in southeastern Nevada and adjacent portions of Utah and Arizona (Fowler and Madsen 1986:175-181; Lyneis 1982, 1995; Lyneis et al. 1978:178-179; Warren and Crabtree 1986:191; Winslow 2003a, 2003b).

In the remainder of the Mojave Desert region, sites of this period seem to exhibit general continuity with the Gypsum pattern. One of the most conspicuous changes from the earlier period is the reduction in size of projectile points. Rose Spring and Cottonwood series points dominate assemblages of this period and are morphologically similar to Gypsum period points with the exception of their smaller size, and milling equipment (i.e., metates, manos, mortars and pestles) continues to be in use (Warren and Crabtree 1986).

Late in prehistory (approximately 1000 B.P.), it is theorized, groups of people speaking Numic languages expanded from somewhere in the Death Valley area across the Great Basin. The Numic Expansion hypothesis gained widespread support in the years following its introduction by Sydney Lamb in 1958 (Lamb 1958). Bettinger and Baumhoff (1982:485) believe that the Numa were able to displace the previous inhabitants because of low-cost adaptive strategies oriented around the exploitation of diverse plant resources. This hypothesis is supported by similarities in artifact types and glottochronological theory advanced by Lamb (1958:99). Young and Bettinger (1992:85), supporting Bettinger and Baumhoff (1982), propose that a competitive interaction existed between the Numic and pre-Numic groups in the Great Basin. In recent years, however, the hypothesis has been challenged and remains controversial.

Protohistoric Period (750 B.P. to Contact)

The Protohistoric era, a transitional period between the prehistoric and the historic/ethnohistoric, dates from ca. 750 B.P. and continues until first contact with Euro-Americans (Warren 1980; Warren and Crabtree 1986). Cultural developments established earlier during the Saratoga Springs period continue with some modifications. Numerous sites dating to this most recent period of prehistory are located along the Mojave River (Altschul et al. 1989; Schneider 1988; Smith 1963), in the San Bernardino Mountains (Simpson et al. 1972; White and Reeder 1970), and in the inland valleys to the south of the mountains (Grenda 1998). Diagnostic artifacts for this period are Desert Side-notched points and various poorly defined types of brown ware pottery. Most archaeologists agree that trade along the Mojave Trail was steady throughout this period, accounting for much of the coastal and Colorado River influences in the San Bernardino Mountains (Warren 1984).

Regional diversity continued during this period (Warren and Crabtree 1986:191). South of the Mojave River, the influence of the Yuman-speaking Hakataya continued. It is clear that by around A.D. 600, Hakatayan groups occupied a wide area in western Arizona, southeastern California, and southern Nevada (Schroeder 1979). The Hakataya were centered primarily on the lower Colorado River, however, and their assemblages, characterized by brown, buff, and red-on-buff pottery, and Desert Side-notched and Cottonwood Triangular points, are found along the length of the Mojave River to the Mojave Sinks (Drover 1979; Rogers 1929; Smith 1963). These ceramics, along with the continued use of coastal artifacts such as shell beads, suggest fairly long-distance trade contacts and possibly more extensive seasonal rounds.

North of the Mojave River, the Saratoga Springs artifact assemblage continued, with the addition of Desert Side-notched and Cottonwood Triangular points and Great Basin Brown Ware pottery. Also present in these assemblages are steatite beads, large triangular knives, unshaped manos and milling stones, mortars and pestles, incised stones, slate pendants, and shell beads (Warren and Crabtree 1986). Bettinger (1975, 1976, 1977) attributes the beginning of regular pinyon exploitation to this period, as shown by the appearance of camps in the pinyon-juniper woodland (Warren 1984:424-427; Warren and Crabtree 1986:191-192). Warren and Crabtree (1986:191-192) note that the initial occurrence of this assemblage is linked with the ancestors of the historic Southern Paiute and is roughly contemporaneous with the terminal date for the Ancestral Puebloan occupation of the region. Virgin Anasazi development and influence had been curtailed in the eastern Mojave Desert by the Protohistoric period (Warren 1984:427). Occupation by the hunter-gatherer groups present earlier, however, appears to have continued relatively unchanged.

Ethnohistoric Background

The major ethnographic group associated with the Project area was the Serrano (Bean and Smith 1978; Benedict 1924; Kroeber 1925:611-619; Strong 1929:5-35). The following summary is closely drawn from a recent ethnography by Lerch and Ciolek-Torrello (2007). Details concerning other aspects of Serrano culture, such as social organization and religion, may be found in a number of sources, including Benedict (1924), Gifford (1918), Kroeber (1907, 1925), Strong (1929), Bean and Smith (1978) and Bean et al. (1981). The Serrano were so called by the Spanish because they lived in and around the San Bernardino Mountains (*serrano*, from sierra, means "mountain dweller" in Spanish). The Serrano's own general name for themselves was *Takhtam*, or "people," although most individuals were identified by the name of their particular clan or village, and these names are frequently referred to as "tribes."

The Serrano language is part of the Takic subfamily of the larger Uto-Aztecan language family (Ergle 1999; Moratto 1984:534), which includes a wide variety of language groups extending as far south as the Basin of Mexico. Closer to home, the culture groups neighboring the Serrano to the south of the San Bernardino Mountains—the Gabrielino, Luiseño, and Cahuilla—were also Takic-language speakers. The Serrano appear to have been most closely linguistically aligned with the Cahuilla people, the easternmost

of the three. In the Mojave Desert, to the west, north, and east, were the Kawaiisu, Panamint, and Chemehuevi, who spoke Numic languages, another subfamily of the Uto-Aztecan language family. Although these language group names are often understood as some sort of tribal identity reflecting politically unified groups, this was clearly not the case. Designations such as Serrano and Chemehuevi are purely linguistic labels that, when applied to a geographic region, simply refer to the total territory inhabited by a number of independent bands who spoke a common language. Very often, significant cultural interactions crosscut language groups as a result of topography or other factors. The Serrano, in particular, seem to have maintained close ties with peoples on both sides of the mountains, regardless of linguistic affiliation.

The Serrano, and many neighboring language groups, were organized into independent but interconnected village communities. Each of these villages consisted of one or more patrilineal clans that belonged to one of two exogamous moieties, named coyote or wildcat. The clan-based villages and the larger moiety groups maintained complex ceremonial relationships with one another (Gifford 1918; Strong 1929). Frequently, a number of communities would combine to celebrate important festivals, harvest cycles, and other ceremonial events, occasionally inviting distant, linguistically unrelated groups.

Prior to European contact, the Serrano were hunters and gatherers who exploited a wide variety of resources from the mountains, the desert, and the Mojave River, including both large and small game, as well as numerous plant resources. Large game—such as deer, mountain sheep, and pronghorn—was hunted with bow and arrow, and smaller animals such as rabbits, rodents, and reptiles were taken with throwing sticks, nets, and snares. Acorns, pinyon nuts, and mesquite beans were among the staple foods, which were seasonally supplemented by chia and ricegrass seeds, roots, tubers, and various fresh greens (Bean and Smith 1978; Lerch 2002).

The presence of a perennial water source was the determining factor in the nature, duration, and distribution of Serrano villages (Benedict 1924:368). Most Serrano village-hamlets “were in the foothill Upper Sonoran life-zone while a few were out on the desert floor (near permanent water sources) or in the forest Transition zone” (Bean and Smith 1978:570). Small villages were more common, although there were larger villages in the Summit Valley and the Cajon Pass. Small special purpose sites, such as temporary camps, food processing stations, and lithic procurement areas, were located as needed. The Serrano who inhabited the San Bernardino Mountains would inhabit the milder areas of Apple Valley and Lucerne Valley during the winter and the area in and around Baldwin Lake during the summer.

In the early literature, there are only occasional references to the Project study area and the Native Americans who once lived there (Beattie and Beattie 1951:421; Brown and Boyd 1922:21-25; Pierson 1970:110-111; Smith et al. 1978), although contact with Europeans may have occurred as early as 1771. By 1806, the Serrano were recruited into the mission systems and most of them were removed from their homelands to the missions (Beattie and Beattie 1939:366). Missionization led to the loss of their native lifeways; although, northeast of the San Gorgonio Pass, Serrano culture survived.

By 1975, most Serrano lived on two southern California reservations (Morongo and San Manuel), where with other native Californians, they participated in ceremonial and political affairs on a pan-reservation. According to Bean and Smith (1978:543), at the time of the writing, only slightly over 100 people claimed Serrano descent, reduced from a pre-contact figure between 1,500 (Kroeber 1925:617) and 2,500 (Bean 1962-1972), and even fewer speak their native language; however, all recall with pride their history. Ethnic identity is strong and they remain a readily identifiable cultural entity.

Brief History of Rialto

In 1769, Spanish explorers established Mission San Gabriel in what is presently eastern Los Angeles County. The area that is now known as Rialto was under Spanish rule as part of the Mission San Gabriel lands until 1822, when Mexico gained its independence from Spain. After independence, Mexican land grants further divided the land into ranchos. Rancho San Bernardino (37,700 acres), granted to the Lugo family, encompassed present-day Rialto (Dice 2006). In 1848, the United States took over the Mexican rancho land in California.

The Project is situated north of the historic community of Agua Mansa (Spanish for gentle waters), which originated from a large land grant owned by Juan Bandini which was located near the modern city of Riverside, called Rancho Jurupa. A portion of this land was donated to Spanish-speaking settlers from New Mexico and they named it Agua Mansa. The original settlement extended from Slover Mountain to the vicinity of the Riverside-San Bernardino county 1ine (Patterson 1964:28). The Agua Mansa settlers subsisted on animal husbandry and farming, and at first were relatively successful. However, in 1862, a disastrous flood destroyed most of the community. New homes were built, but Agua Mansa never regained its former prosperity. The residents eventually lost control of the land to large property owners through court battles late in the nineteenth century (Patterson 1964:28).

Typical of many San Bernardino County towns, the area that would one day become Rialto was a fertile agricultural area, due to the warm, dry climate. The beginnings of southern California's citrus culture can be traced to the Mission San Gabriel; an orange grove encompassing 6 acres was planted on mission lands in 1804. In 1841, William Wolfskill used seedlings from the San Gabriel orchard to plant his own larger orchard. Wolfskill is credited with establishing citrus commercially (Pronin 1989). Small ranching operations were established in the Rialto area in the mid-nineteenth century (City of Rialto 2017). In 1887, the first railroad connection was established, and the land that now comprises Rialto was purchased by the Semi Tropic Land and Water Company (City of Rialto 2017). The company named the community Rialto and began development in the area. Shortly thereafter, a group of midwestern Methodists immigrated to Rialto and furthered its development (City of Rialto 2017). By the late nineteenth century, Rialto was a typical small southern California agricultural community for which citrus was the main crop. In 1893, the community contained approximately 35 homes with 250 residents, a few local businesses, and a three-story Hotel del Rialto (City of Rialto 2017). The first citrus packing house was built in 1894, and a citrus association was established (City of Rialto 2017).

Rialto was officially incorporated in 1911 by the Chamber of Commerce, with 1,500 residents and 40 businesses comprising the small town (Stoebe 1965). The area on Riverside Avenue between Santa Fe station and First Street housed most businesses. Those businesses included the bank, four real estate agencies, a few grocery stores, two meat markets, two department stores, two barbershops, a weekly newspaper (Rialto Record), two garages, and two telephone companies. On the southeast corner of Riverside Avenue and First Street stood the J. H. Crowder Building occupied by a grocery store, which has since been demolished. On the west side of Riverside Avenue stood the offices of the Lytle Creek Water and Improvement Company. The First National Bank of Rialto opened its new building in February 1908 on the northwest corner of Riverside and Rialto avenues. In 1913, Rialto's Light and Power Company was sold to California Electric Power Company.

Citrus agriculture was the most important industry to Rialto in the twentieth century. Connections to improved transportation resulted in steady growth, as the small agricultural community was able to expand the markets for their local product. In addition to the Santa Fe railroad connection, in 1914 Los Angeles' Pacific Electric Railway completed the San Bernardino Line through the City of Rialto. Improved transportation through Rialto not only included the rail line but also the repaving of Foothill Boulevard (the main east-west transportation route) in 1913, which eventually became part of U.S. Highway 66, better known as the transnational Route 66 (City of Rialto 2017). With these improved

transportation connections, small local agricultural operations developed into a robust citrus packing industry with at least seven citrus packing houses located along the Santa Fe railroad tracks. A fire in the 1920s destroyed many of the buildings in downtown Rialto.

As a result of post-World War II expansion and the general population boom in southern California, Rialto also became a bedroom/commuter community to larger cities in the county and region. Between 1950 and 1980, the population of Rialto grew tenfold from 3,156 to 330,500 (City of Rialto 2017). Today, with a population of around 100,000, only a few acres of the original citrus land are in active use, and Rialto is supported by several large retail distribution centers.

STUDY METHODS

Methods used to assess the presence of and potential for cultural resources within the property included a search of existing records and a pedestrian field survey.

The records search was conducted by the SCCIC and included the Project area and a radius of 1 mi. around it, and a request was made for a search of the NAHC's Sacred Lands Files. Historic aerial photographs and historic USGS topographic maps of the Project area were consulted from historicaerials.com.

The field survey was conducted on October 17, 2019, by ASM Senior Archaeologist Sherri Andrews and Assistant Archaeologist Enadina Lozano. Field methods consisted of a pedestrian survey of the proposed Project site using transects spaced at 15-m intervals.

STUDY RESULTS

Records Search Results

The SCCIC records search was completed on September 27, 2019. The search identified 28 previous studies that had been conducted within or addressed resources within a 1-mi. radius of Project area (Table 1). Five of these studies (bolded below) were linear studies that abut the south and east edges of the Project area. No resources associated with the Project area were documented as a result of any of these studies. The summary letter provided by the SCCIC is provided in Appendix A.

Table 1. Previous Cultural Resources Reports Addressing the Project Area and the 1-mi. Records Search Radius

Report No. (SB-)	Year	Author(s)/Affiliation	Title
00150	1973	Schuiling, Walter C. / San Bernardino County Museum Association	Agua Mansa
00506	1977	Hearn, Joseph E. / San Bernardino County Museum Association	Archaeological – Historical Resources Assessment of ca. 6.77 Acres Located at the SW Corner of Rialto Airport at Miro Way and Linden Avenue in Rialto
00876	1979	Hammond, Stephen R.	Archaeological Survey Report: Route 30, City of Rialto
02043	1989	Sutton, Paula A.	Archaeological Survey Report for the Proposed Foothill Freeway, Los Angeles and San Bernardino Counties, California
02205	1990	Swanson, Mark T. / Research Associates	Cultural Resources Survey of a Circa 200-Acre Tract at Art Scholl Memorial Airport/Miro Field, Rialto, San Bernardino County, California
02527	1989	Hammond, Stephen R.	Historic Property Survey Report for the Proposed Foothill Freeway

Report No. (SB-)	Year	Author(s)/Affiliation	Title
02530	1989	Gallup, Aaron A., Bonnie W. Parks, Denise O'Connor, and Stephen D. Mikesell / Harvey Sawyer	Historical Architectural Survey Report and Historic Resource Evaluation Report for a Proposed Highway on New Alignment
02621	1992	Alexandrowicz, J. Steven, Anne Q. Duffield-Stoll, Jeanette A. McKenna, Susan R. Alexandrowicz, Arthur A. Kuhner, and Eric Scott / Archaeological Consulting Services	Cultural and Paleontological Resources Investigations within the North Fontana Infrastructure Area, City of Fontana, San Bernardino County, California
02853	1991	Foster, John M., James J. Schmidt, Carmen A. Weber, Gwendolyn R. Romani, and Roberta S. Greenwood / Greenwood and Associates	Cultural Resource Investigation: Inland Feeder Project, MWD of Southern CA
03538	**1995**	**White, Laurie, and Robert S. White / Archaeological Associates**	**Cultural Resources Investigation for the 3000 +/- Acre City of Rialto Airport Area Specific Plan, North Rialto, CA**
03596	2000	Duke, Curt / LSA	Cultural Resource Assessment for PBW Facility Cm 355-92
03876	2002	White, Laurie S. / Michael Brandman Associates	Record Search Results for Sprint PCA Facility Sb33xc087b (Apple Valley Town Hall), Town of Apple Valley, San Bernardino County, CA
04208	2003	Dice, Michael / Michael Brandman Associates	Records Search Results & Site Visit for Sprint Telecommunications Facility Sb56xc804b (Rialto Municipal Airport), 1451 N. Linden Ave, Rialto, San Bernardino County, CA
04360	2004	Cerreto, Richard, Christy Malan, and Katherine Ward / Analytic Archaeology	Cultural Resources Assessment for APN's: 1167-031-02, -03, -05, -06, City of Colton, San Bernardino County, CA
04871	2006	Bonner, Wayne H., and Marnie Aislin-Kay	Cultural Resources Records Search and Site Visit for Cingular Telecommunications Facility Candidate LSANCA 8029D (Alder & Fairfax), 1485 Ayala Road, Rialto, San Bernardino County, California
05629	**2003**	**Pletka, Nicole / LSA**	**Cultural Resource Assessment: Highland Avenue Detour, Rialto, San Bernardino County, California**
05766	1997	Love, Bruce / CRM Tech	Cultural Resources Report: Bakersfield—Rialto Fiberoptic Line Project, Kern, Los Angeles and San Bernardino Counties, California
06140	2008	Billat, Lorna	Jerry Eaves Park/LA-0742B
06913	2011	Bonner, Wayne H., and Sarah A. Williams	Cultural Resource Records Search and Site Visit Results for T-Mobile USA Candidate IE 24319A (Etiwanda), 1424 West Foothill Boulevard, Rialto, San Bernardino County, California
06966	**2006**	**Dice, Michael**	**Phase I Cultural Resource Assessment and Paleontological Records Review Renaissance Specific Plan Project, Rialto, San Bernardino County, California**
06985	2011	Tang, Bai "Tom", Deirdre Encarnacion, and Daniel Ballester	Historical/Archaeological Resources Survey Report: Ayala Drive Widening Project, City of Rialto, San Bernardino County, California.
07087	2012	Puckett, Heather / TetraTech	Trudy, 1230 North Lilac Avenue, Rialto, CA
07126	2012	McKenna, Jeanette A.	A Phase I and Class III (Section 106) Cultural Resources Investigation of the Proposed Cactus Basins Improvements in the City of Rialto, San Bernardino County, California
07507	2013	Puckett, Heather / TetraTech	Wildflower-Candidate B; 2175 North Linden Avenue, Rialto, CA 92377
07517	1999	SAIC	Site Survey Report for DERP-FUDS Site #J09CA057200, Rialto Ammunition Storage Point.
07960	**2010**	**Self, William / William Self Associates**	**Class III Cultural Resources Survey Addendum for the Proposed Calnev Expansion Project, California Portion San Bernardino County, California**
08211	**2016**	**Ballester, Daniel / CRM Tech**	**Paleontological Monitoring Program Upper Cactus Basin 3/A, 4 and 5; WO# 20 14-1 1007 in the city of Rialto, San Bernardino County, California Contract No. 3032**

Report No. (SB-)	Year	Author(s)/Affiliation	Title
08214	2016	Pigniola, Andrew R. / Laguna Mountain Environmental, Inc.	Cultural Resources Survey Report for the BM Investments Project North Cactus Avenue, Rialto, California (160406-CR)

A total of 19 historical-period resources have been previously recorded within the 1-mi. records search radius, none of which have been documented within the Project area (Table 2). Eight of these resources were listed within the standard records search results and include refuse scatters, irrigation features, water tanks, single-family homes, the Art Scholl Municipal Airport, and Base Line Road. The other 11 resources that were identified within the 1-mi. radius comprise architectural resources on file with the Office of Historic Preservation (OHP), all of which are more than 0.5 mi. away from the Project area.

Table 2. Previously Recorded Cultural Resources within the 1-mi. Records Search Radius

Primary # (P-36-)	Trinomial or OHP #	Date (Recorded by)	Description	Attribute Codes (from DPRs)	NRHP Status Code*	Relationship to Project Area
006780	CA-SBR-6780	1990 (Mark T. Swanson, Research Associates)	Reservoir, refuse scatter	AH4. Privies/dumps/trash scatters	-	0.55 mi NNW
010659	CA-SBR-10659H	2002 (Richard Shepard, Chambers Group); 2003	Refuse scatter	AH4. Privies/dumps/trash scatters	-	0.85 mi. W
010908	CA-SBR-10908H	2003 (Roger Mason, Chambers Group)	Irrigation features, concrete pad	AH2. Foundations/structure pads; AH6. Water conveyance system	-	0.75 mi. W
014203	-	1989 (A. Gallup, Caltrans)	2044 Ayala Av.; Nadon House	HP2. Single family property	-	0.8 mi. N
015497	-	2014 (Josh Smallwood, Helix); 1973	Base Line Road, Baseline Road; PHI - SBR-012	HP37. Highway/trail	-	Adjacent S edge
017617	107543	-	636 N. Willow Av. (1885)	-	6L	1.0 mi. SE
017618	107545	-	747 N. Willow Av.; William Brill House (1905)	-	3S	0.9 mi. SE
021611	-	2008 (Jeremy Hollins, URS)	Water tanks	HP11. Engineering structure	-	0.2 mi. E
021612	-	2008 (Jeremy Hollins, URS)	1816-1830 Base Line Rd.	HP2. Single family property	-	0.8 mi. W
021615	-	2008 (Jeremy Hollins, URS)	Art Scholl Municipal Airport	HP8. Industrial building	-	Adjacent NW corner
-	166579	-	785 N. Linden Av. (1954)	-	6Y	0.7 mi. SW
-	107344	-	950 N. Lilac Av. (1929)	-	6L	0.6 mi. SE
-	177642	-	812 N. Willow Av.	-	6Y	0.9 mi. SE
-	181513	-	524 W. Ramona Dr. (1952)	-	6Y	1.0 mi. SSE
-	181582	-	601 W. Ramona Dr. (1954)	-	6Y	1.0 mi. SSE
-	181592	-	542 W. Ramona Dr. (1952)	-	6Y	1.0 mi. SSE

Primary # (P-36-)	Trinomial or OHP #	Date (Recorded by)	Description	Attribute Codes (from DPRs)	NRHP Status Code*	Relationship to Project Area
-	181991	-	982 N. Verde Av. (1959)	-	6Y	0.6 mi. ESE
-	181992	-	615 W. Morgan St. (1955)	-	6Y	0.7 mi. SE
-	182451	-	1030 N. Gardena Av. (1956)	-	6Y	0.8 mi. ESE

*3S: Appears eligible for NRHP individually through survey evaluation
6L: Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning
6Y: Determined ineligible for NR by consensus through Section 106 process – Not evaluated for CR or local listing

Historical Imagery Review

Historic aerials from 1938, 1948, 1959, 1966, 1967, 1968, 1977, 1980, 1994, 1995, 2002, 2005, 2009, 2010, 2012, 2014, and 2016 were analyzed on historicaerials.com, as were historic topographic maps dated 1896, 1898, 1901, 1905, 1909, 1913, 1926, 1929, 1936, 1938, 1941, 1943, 1946, 1955, 1959, 1960, 1963, 1965, 1968, 1969, 1974, 1975, 1980, 1985, 1988, 1999, 2012, and 2015.

No structures or land use are depicted within proximity the Project area on any of the topographic maps between 1896 and 2015, and the area does not appear on Sanborn maps. Aerial photographs reveal that the site was in agricultural use from 1938 possibly through 1968. In the 1980 image, the land appears unused with an informal trail trending roughly north/south running through it. The 1994 image shows the area covered with a large cleared grid pattern, a configuration that is largely consistent through the 2016 image.

NAHC Sacred Lands File Search

On September 4, 2019, ASM sent a request to the NAHC to search their Sacred Lands File (SLF) to determine whether their files contained any information relating to the presence of Native American cultural resources within the Project parcel. Response from the NAHC was received on September 23, 2019, indicating a positive result and suggesting that the Gabrieleno Band of Mission Indians – Kizh Nation be contacted for additional information. A list of 11 tribal contacts who may have interest in the Project area was provided with the NAHC response. Letters were sent to each of these parties, inquiring as to their knowledge of the Project site; the NAHC response and contact list, an example of the contact letter, and responses received to date are provided with this report as Appendix B.

Jessica Mauck representing the San Manuel Band of Mission Indians responded that while it was earlier believed that a village site might have once been located where the current Project is situated, the Tribe has since determined that the village is much more likely located further east such that this area is of much less concern. This earlier concern may account for the positive result indicated by the NAHC response.

Pedestrian Survey Results

The Project area has undergone a significant amount of surface disturbance (Figures 2-5). The entire parcel is currently fenced, effectively limiting access to the area. As such, modern refuse is found primarily around the edges of the parcel where the fence is adjacent Jerry Eaves Public Park on the north and Baseline Road on the south. Some apparently older dumping of construction materials is found within the parcel as well, presumably having been done when the roads that crisscross the parcel were more readily accessible prior to being fenced. Various berms and push piles are found throughout the parcel. Vegetation across the parcel varied from sparse to very dense. As a result, ground surface visibility was excellent over approximately 20 percent of the Project parcel, with fair visibility over 60 to 70 percent, with poor visibility in the remaining 10 to 20 percent. All areas with adequate ground surface visibility

were carefully inspected for any sign of the presence of cultural materials. No previously undocumented cultural resources were encountered during the pedestrian survey.

RECOMMENDATIONS

No cultural resources were found as a result of the records search or during the current survey within the Project parcel. The results of the records search indicate a low archaeological sensitivity for the Project area. The Project area has been previously disturbed and there is no surface indication of any archaeological materials within the parcel. As such, no historical resources were identified within the Project area that would require further consideration under CEQA.

While the SLF results were positive, information provided by the San Manuel Band of Mission Indians explains that while it was once believed that a village site might have been located in this area, subsequent research has revealed that the site in question is situated further to the east and not in this location. However, it is possible that government-to-government consultation under AB 52 in support of the Project may result in a recommendation that archaeological and Native American monitoring take place during ground-disturbing activities.

In the event that any archaeological materials are encountered during future development activities, all activities must be suspended in the vicinity of the find until the deposits are recorded and evaluated by a qualified archaeologist. If evaluated as eligible for the CRHR and if impacts to the resource cannot be avoided, mitigation would be necessary. In addition, if significant subsurface prehistoric resources are encountered that will be subject to impacts from the project, Tribes with historic and cultural ties to the area shall be contacted.

If human remains of any kind are found during construction, the requirements of CEQA Guidelines Section 15064.5(e) and AB 2641 shall be followed. According to these requirements, all construction activities must cease immediately and the San Bernardino County Coroner and a qualified archaeologist must be notified. The Coroner will examine the remains and determine the next appropriate action based on his or her findings. If the coroner determines the remains to be of Native American origin, he or she will notify the NAHC. The NAHC will then identify the most likely descendants (MLD) to be consulted regarding treatment and/or reburial of the remains. If an MLD cannot be identified, or the MLD fails to make a recommendation regarding the treatment of the remains within 48 hours after gaining access to the remains, the property owner shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance.

Should you have any questions regarding this study, please do not hesitate to contact me.

Respectfully submitted,

Sherri Andrews, M.A., RPA
Senior Archaeologist

Attachments

Figure 1.	Project location.
Figure 2.	Overview of Project parcel, view toward north-northwest.
Figure 3.	Overview along west edge of Project parcel adjacent industrial area showing refuse, view toward south.
Figure 4.	Overview of Project parcel along boundary with Jerry Eaves Public Park, view toward west.
Figure 5.	Overview of Project parcel along Baseline Road, view toward west.
Appendix A.	SCCIC Records Search Summary Letter
Appendix A.	NAHC and Native American Correspondence

REFERENCES

Altschul, Jeffrey H., William C. Johnson, and Matthew A. Sterner
1989 *The Deep Creek Site (CA-SBR-176): A Late Prehistoric Base Camp in the Mojave River Forks Region, San Bernardino County, California*. Technical Series 22. Statistical Research, Tucson.

Bean, Lowell J.
1962-1972 *Serrano Fieldnotes*. Manuscript in Bean's Possession.

Bean, Lowell J., and Charles Smith
1978 Serrano. In *California*, edited by R. F. Heizer, pp. 570-574. Handbook of North American Indians, Vol. 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Bean, Lowell J., Sylvia B. Vane, Michael K. Lerch, and Jackson Young
1981 *Native American Places in San Bernardino National Forest, San Bernardino and Riverside Counties, California*. Report to the U.S. Forest Service, South Zone Contracting Office, Arcadia, California. Prepared by Cultural Systems Research, Inc., Menlo Park.

Beattie, George W., and Helen P. Beattie
1939 *Heritage of the Valley: San Bernardino's First Century*. San Pasqual Press, Pasadena, California.
1951 *Heritage of the Valley: San Bernardino's First Century*. Biobooks, Oakland, California.

Bedwell, S. F.
1970 Prehistory and Environment of the Pluvial Fort Rock Lake Area of South-Central Oregon. Ph.D. dissertation, University of Oregon, Eugene.
1973 *Fort Rock Basin: Prehistory and Environment*. University of Oregon, Eugene.

Benedict, Ruth F.
1924 A Brief Sketch of Serrano Culture. *American Anthropologist* 26(3):366-392.

Berry, M. S.
1974 The Evans Mound: Cultural Adaption in Southwestern Utah. Unpublished Master's thesis. Department of Anthropology, University of Utah, Salt Lake City.

Bettinger, Robert L.
1975 The Surface Archaeology of the Owens Valley, Eastern California: Prehistoric Man-Land Relationships in the Great Basin. Unpublished Ph. D. dissertation in Archaeology, University of California, Riverside.
1976 The Development of Pinyon Exploitation in Central Eastern California. *Journal of California Anthropology* 3(1):81-95.
1977 Aboriginal Human Ecology in Owens Valley: Prehistoric Change in the Great Basin. *American Antiquity* 42(1):3-17.

Bettinger, Robert L., and Martin A. Baumhoff
1982 The Numic Spread: Great Basin Cultures in Competition. *American Antiquity* 46(3):485-503.

Bettinger, Robert L., and Jelmer Eerkens
1999 Point Typologies, Cultural Transmission, and the Spread of Bow-and-Arrow Technologies in the Prehistoric Great Basin. *American Antiquity* 64(2):231-242.

Blair, Lynda M.
1985 Virgin Anasazi Turquoise Extraction and Trade. Paper presented at the 1985 Arizona-Nevada Academy of Sciences, Las Vegas, Nevada.

Blair, Lynda M., Jeffrey. R. Wedding, Suzan F. Rose, Jennifer. E. Riddle, and Annette. J. Smith
2004 *Kern River 2003 Expansion Project, California - Volume II: Cultural Resource Data Recovery Report*. With contributions by C. N. Warren, H. T. Ore, J. T. Watson, and D. C. Smee. Harry Reid Center for Environmental Studies, University of Nevada, Las Vegas. Prepared for Kern River Gas Transmission.

Blair, Lynda M., and Diane L. Winslow
2004 *Kern River 2003 Expansion Project, California - Volume I: Prehistoric Turquoise Mining in the Mojave Desert - Data from the Dr. Albert Mohr Collection Kern River 2003 Expansion Project California Volume.* Harry Reid Center for Environmental Studies, University of Nevada, Las Vegas. Prepared for Kern River Gas Transmission.

Brown, J., and J. Boyd
1922 *History of San Bernardino and Riverside Counties*. Lewis Publishing Company, Chicago.

Campbell, Elizabeth W. Crozier, William H. Campbell, Ernst Antevs, Charles Amsden, Joseph A. Barbieri, and Francis D. Bode
1937 *The Archaeology of Pleistocene Lake Mohave: A Symposium*. Southwest Museum Papers No. 11. Los Angeles, California.

City of Rialto
2017 About Rialto. http://yourrialto.com/city-hall/about-rialto/, accessed April 10, 2017.

Davis, C. Alan, and Gerald A. Smith
1981 *Newberry Cave*. San Bernardino County Museum Association, Redlands, California.

Davis, Jonathan O.
1978 *Quaternary Tephrochronology of the Lake Lahontan Area, Nevada and California*. Nevada Archaeological Survey Research Paper No. 7. Reno, Nevada.

Dice, Michael
2006 *Phase I Cultural Resources Assessment and Paleontological Records Review Renaissance Specific Plan Project, Rialto, San Bernardino County, California*. Prepared for City of Rialto by Michael Brandman Associates, November 28, 2006.

Donnan, C. B.
1964 A Suggested Cultural Sequence for the Providence Mountains, Eastern Mojave Desert. *Annual Reports of the University of California Archaeological Survey* 1963-1964:1-23.

Drover, C. E.
1979 The Late Prehistoric Human Ecology of the Northern Mohave Sink, San Bernardino County, California. Ph.D. dissertation. Department of Anthropology, University of California, Riverside.

DuBarton, A. E., W. G. Spaulding, M. S. Kelly, and J. H. Cleland
1991 *City of Las Vegas Land Transfer, Final Report on Archaeological and Paleontological Testing of Three Sites along the Eglington Escarpment*. Prepared for the Bureau of Land Management, Las Vegas, Nevada.

Elston, Robert G.
1982 Good Times, Hard Times: Prehistoric Culture Change in the Western Great Basin. In *Man and Environment in the Great Basin*, edited by David B. Madsen and James F. O'Connell, pp. 186-206. Society for American Archaeology Papers No. 2. Washington, D.C.

Enzel, Yehouda, D. R. Cayan, R. Y. Anderson, and S. G. Wells
1989 Atmospheric Circulation During Holocene Lake Stands in the Mojave Desert: Evidence of Regional Climate Change. *Nature* 341:44-48.

Enzel, Y., W. J. Brown, R. Y. Anderson, L. D. McFadden, and S. G. Wells
1992 Short-Duration Holocene Lakes in the Mojave River Drainage Basin, Southern California. *Quaternary Research* 38:60-73.

Ergle, Dolan H., Jr.
1999 *Native California Guide: Weaving the Past and Present*. Trees Company Press, San Francisco, California.

Fowler, Don D., and David B. Madsen
1986 Prehistory of the Southeastern Area. In *Great Basin*, edited by W. L. d'Azevedo, pp. 173-182. Handbook of North American Indians, Vol. 11, W. C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Gifford, Edward W.
1918 Clans and Moieties in Southern California. *University of California Publications in American Archaeology and Ethnology* 14(2):155-219.

Grayson, Donald K.
1993 The *Desert's Past: A Natural Prehistory of the Great Basin*. Smithsonian Institution Press, Washington, D.C.

Grenda, Donn R.
1995 *Prehistoric Game Monitoring on the Banks of Mill Creek: Data Recovery at CA-RIV-2804, Prado Basin, Riverside County, California*. Technical Series 52. Statistical Research, Tucson.
1998 *Between the Coast and the Desert: Archaeological Data Recovery at the Yukaipa't Site, CA-SBR-1000, Yucaipa, California*. Technical Series 70. Statistical Research, Tucson.

Hall, S. A.
1985 Quaternary Pollen Analysis and Vegetational History of the Southwest. In *Pollen Records of Late Quaternary North American Sediments*, edited by V. Bryant, Jr., and R. Holloway, pp. 95-124. American Association of Stratigraphic Palynologists Foundation, Dallas, Texas.

Harrington, Mark Raymond
1927 Some Lake Bed Camp Sites in Nevada. *Museum of the American Indian, Heye Foundation, Indian Notes* 4(1):40-47. New York.

Harrington, Mark R., and Ruth D. Simpson
1961 *Tule Springs, Nevada, with Other Evidence of Pleistocene Man in North America*. Southwest Museum Papers No. 4. Los Angeles, California.

Heizer, Robert F., and A. E. Treganza
1944 Mines and Quarries of the Indians of California. *California Journal of Mines and Geology* 40:291-359.

Hester, T. R.
1973 Chronological Ordering of Great Basin Prehistory. *Contributions of the University of California Archaeological Research Facility* 17:55-128.

Historicaerials.com
Aerials: 1938, 1948, 1959, 1966, 1967, 1968, 1977, 1978, 1980, 1995, 2002, 2005, 2009, 2010, 2012.
Topos: 1896, 1898, 1901, 1905, 1909, 1913, 1926, 1929, 1938, 1943, 1946, 1955, 1959, 1963, 1965, 1969, 1974, and 1981.

Hughes, Richard E., and James A. Bennyhoff
1986 Early Trade. In *Great Basin*, edited by W. L. d'Azevedo, pp. 238-255. Handbook of North American Indians, Vol. 11, W. C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

James, S. R.
1986 What Mean These Sherds? A Functional Approach to Fremont Ceramics in the Western Periphery. In *Pottery of the Great Basin and Adjacent Areas*, edited by S. Griset, pp. 107-118. Anthropological Papers 111. University of Utah, Salt Lake City.

Kowta, Makoto
1969 The Sayles Complex: A Late Milling Stone Assemblage from Cajon Pass and the Ecological Implications of Its Scraper Planes. *University of California Publications in Anthropology No. 6*. University of California Press, Berkeley.

Kroeber, Alfred L.
1907 *The Religion of the Indians of California*. University of California Publications in American Archaeology and Ethnology 4(6). University Press, Berkeley, California.
1925 *Handbook of the Indians of California*. Dover Publications Inc., New York.

Lamb, Sydney
1958 Linguistic Prehistory in the Great Basin. *International Journal of American Linguistics* 24(2):95-100.

Larson, Daniel
1981 *A Study of the Settlement Patterns of Southern Nevada as Reflected by the Archaeological Records*. Western Anasazi Reports 3(1). Cedar City, Utah.

Leonard, N. Nelson, III, and Christopher Drover
1980 Prehistoric Turquoise Mining in the Halloran Springs District, San Bernardino County, California. *Journal of California and Great Basin Anthropology* 2(2):245-256.

Lerch, Michael K., and Richard Ciolek-Torrello (editors)
2007 *From the Pan into the Fire: Emergency Archaeological Data Recovery at the Pan Hot Springs Site, San Bernardino National Forest, California*. Technical Report 06-90. Statistical Research, Redlands, California.

Lyneis, Margaret M.
1982 Prehistory in the Southern Great Basin. In *Man and Environment in the Great Basin*, edited by David B. Madsen and James F. O'Connell, pp. 172-185. Society for American Archaeology Papers No. 2. Washington, D. C.
1995 The Virgin Anasazi, Far Western Puebloans. *Journal of World Prehistory* 9(2):199-241.

Lyneis, Margaret M., Jeanne Clark, Richard McCarty, and Tara Shepperson
1978 *Archaeological Element: Historic Preservation Assessment and Planning Process, City of Las Vegas*. Department of Anthropology, University of Nevada, Las Vegas. Cultural Resource Report 4-1-4.

Moratto, Michael
1984 *California Archaeology*. Academic Press, Inc., New York.

Morrissey, R. R.
1968 *Turquoise Deposits of Nevada*. Nevada Bureau of Mines and Geology Report No. 17. Mackay School of Mines, University of Nevada, Reno.

Patterson, Tom
1964 *Landmarks of Riverside and the Stories Behind Them*. Press Enterprise Company, Riverside.

Pierson, E.
1970 *The Mojave River and Its Valley*. Arthur H. Clarke Co., Glendale.

Pogue, J. E.
1915 *The Turquoise: A Study of Its History, Mineralogy, Geology, Ethnology, Archaeology, Mythology, Folklore, and Technology*. Third Memoir Series 12(2):3-162. National Academy of Sciences, Washington, D.C. (Reprinted 1971, Rio Grande Press, Glorieta, New Mexico.)

Pronin, Barbara
1989 *West Covina: Fulfilling the Promise*, Windsor Publications. Chatsworth, California.

Rafferty, Kevin A.
1984 *A Cultural Resources Investigation of a 480-Acre Desert Land Entry Act Application for Robert Lewis Moapa, Clark County, Nevada*. Environmental Research Center Division of Anthropological Studies, University of Nevada, Las Vegas. Cultural Resource Report BLM 5-1357(P), DAS 5-76-1.

Rector, Carol H., James D. Swenson, and Philip J. Wilke (editors)
1983 *Archaeological Studies at Oro Grande, Mojave Desert, California*. San Bernardino County Museum Association, Redlands, California.

Rogers, Malcolm J.
1929 *Report of an Archaeological Reconnaissance in the Mohave Sink Region*. San Diego Museum of Man Papers No. 1.

Ruby, J. M.
1970 Culture Contact between Aboriginal Southern California and the Southwest. Unpublished Ph.D. dissertation, Anthropology Department, University of California, Los Angeles.

Schneider, Joan S.
1988 Late Prehistoric Times in the Central Mojave Desert: Some Problems. *Pacific Coast Archaeological Society Quarterly* 24(1):30–44.

Schroeder, Albert H.
1979 Prehistory: Hakataya. In *Southwest*, edited by Alfonso Ortiz, pp. 100-107. Handbook of North American Indians, Vol. 9, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Schroth, Adella Beverly
1994 The Pinto Point Controversy in the Western United States. Unpublished Ph.D. dissertation, Department of Anthropology, University of California, Riverside.

Shutler, Richard, Jr.
1961 *Lost City Pueblo Grande de Nevada*. Nevada State Museum Anthropological Papers No. 5. Carson City, Nevada.

Simpson, Ruth D.
1958 The Manix Lake Archaeological Survey. *The Masterkey* 32(1):4-10. Los Angeles.
1960 Archaeological Survey of the Eastern Calico Mountains. *The Masterkey* 34(1):25-35. Los Angeles.
1961 *Coyote Gulch: Archaeological Excavations of an Early Lithic Locality in the Mohave Desert of San Bernardino County*. Archaeological Survey Association of Southern California Paper No. 5. Los Angeles.

Simpson, R. D., G. A. Smith, R. Reynolds, D. H. Bowers, and A. Haenszel
1972 *Rock Camp Site: Archaeological Excavation of an Indian Campsite near Lake Arrowhead, San Bernardino Mountains.* San Bernardino County Museum Association Quarterly 20(1).

Smith, Gerald A.
1963 *Archaeological Survey of the Mojave River Area and Adjacent Regions.* San Bernardino County Museum Association. Unpublished report on file at the San Bernardino County Museum, Redlands, California.

Spaulding, W. G.
1990 Vegetation and Climatic Development of the Mojave Desert: The Last Glacial Maximum to the Present. In *Packrat Middens: The Last 40,000 Years of Biotic Change*, edited by J. L. Betancourt, P. S. Martin, and T. R. Van Devender. University of Arizona Press, Tucson.
1991 A Middle Holocene Vegetation Record from the Mojave Desert and its Paleoclimatic Significance. *Quaternary Research* 35:427-437.
1995 Environmental Change, Ecosystem Responses, and the Late Quaternary Development of the Mojave Desert. In *Quaternary Environments and Deep Time: Papers in Honor of Paul S. Martin*, edited by J. I. Mead and D. S. Steadman, pp. 139-164. Fenske Printing, Inc., Rapid City, South Dakota.

Stoebe, Martha
1965 *A History of Rialto*. Rialto Unified School District, Rialto, California.

Strong, W. D.
1929 *Aboriginal Society in Southern California*. University of California Publications in American Archaeology and Ethnology 26(1).

Susia, Margaret L.
1964 *Tule Springs Archaeological Surface Survey*. Nevada State Museum Anthropological Papers No. 12. Carson City.

Sutton, Mark Q., Joan S. Schneider, and Robert M. Yohe II
1993 The Siphon Site (CA-SBR-6580): A Millingstone Horizon Site in Summit Valley, California. *San Bernardino County Museum Quarterly* 40(3). San Bernardino County Museum Association, Redlands, California.

Tuohy, Donald R.
1974 A Comparative Study of the Late Paleoindian Manifestations in the Western Great Basin. In *A Collection of Papers on Great Basin Archaeology*, edited by R. Elston and L. Savini, pp. 91-116. Nevada Archaeological Survey Research Paper No. 5.

Wallace, William J.
1962 Prehistoric Cultural Developments in the Southern California Deserts. *American Antiquity* 28(2):172-180.

Warren, Claude N.
1967 The San Dieguito Complex: A Review and Hypothesis. *American Antiquity* 32:168-185.
1980 The Archaeology and Archaeological Resources of the Amargosa-Mohave Basin Planning Units. In *A Cultural Resources Overview for the Amargosa-Mohave Basin Planning Units*, edited by C. N. Warren, M. Knack, and E. Warren, pp. 2-134. Unpublished report submitted to the Bureau of Land Management, Desert Planning Staff, Riverside, California.
1984 The Desert Region. In *California Archaeology*, edited by Michael J. Moratto, pp. 338-430. Academic Press, New York.
1990 *Archaeological Investigations at Nelson Wash, Fort Irwin, California*. Fort Irwin Archeological Project Research Report Number 23, Volumes I and II Interagency Archaeological Services, National Park Service Western Region. San Francisco, California.

Warren, Claude N., and Robert Crabtree
1986 Prehistory of the Southwestern Area. In *Great Basin*, edited by W. L. d'Azevedo, pp. 183-193. Handbook of North American Indians, Vol. 11, W. C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

White, Tim D., and Wes Reeder
1970 *An Archaeological Survey of the Deep Creek Drainage, San Bernardino Mountains, California*. Manuscript on file, California Historical Resources Information System, San Bernardino Archeological Information Center, San Bernardino County Museum, Redlands.

Willig, A. J.
1988 Paleo-Archaic Adaptations and Lakeside Settlement Patterns in the Northern Alkali Basin, Oregon. In *Early Human Occupation in Far Western North American: The Clovis-Archaic Interface*, edited by J. A. Willig, C. M. Aikens, and J. L. Fagan. Nevada State Museum Anthropological Papers No. 21. Carson City.

Winslow, Diane L.
2003a *Mitigation Black Dog Mesa Archaeological Complex (26CK5686/BLM 53-7216) Volume 1 – History and Project Overview*. Harry Reid Center for Environmental Studies, Division of Cultural Resources, University of Nevada, Las Vegas. Prepared for Bureau of Land Management and Nevada Power Company. BLM Report No. 5-2430(1), HRC Report No. 5-4-26(1).
2003b *Mitigation Black Dog Mesa Archaeological Complex (26CK5686/BLM 53-7216) Volume II – Black Dog Cave*. Harry Reid Center for Environmental Studies, Division of Cultural Resources, University of Nevada, Las Vegas. Prepared for Bureau of Land Management and Nevada Power Company. BLM Report No. 5-2430(2), HRC Report No. 5-4-26(2).

Young, D. A., and R. A. Bettinger
1992 The Numic Spread: A Computer Simulation. *American Antiquity* 57(1):85-98.

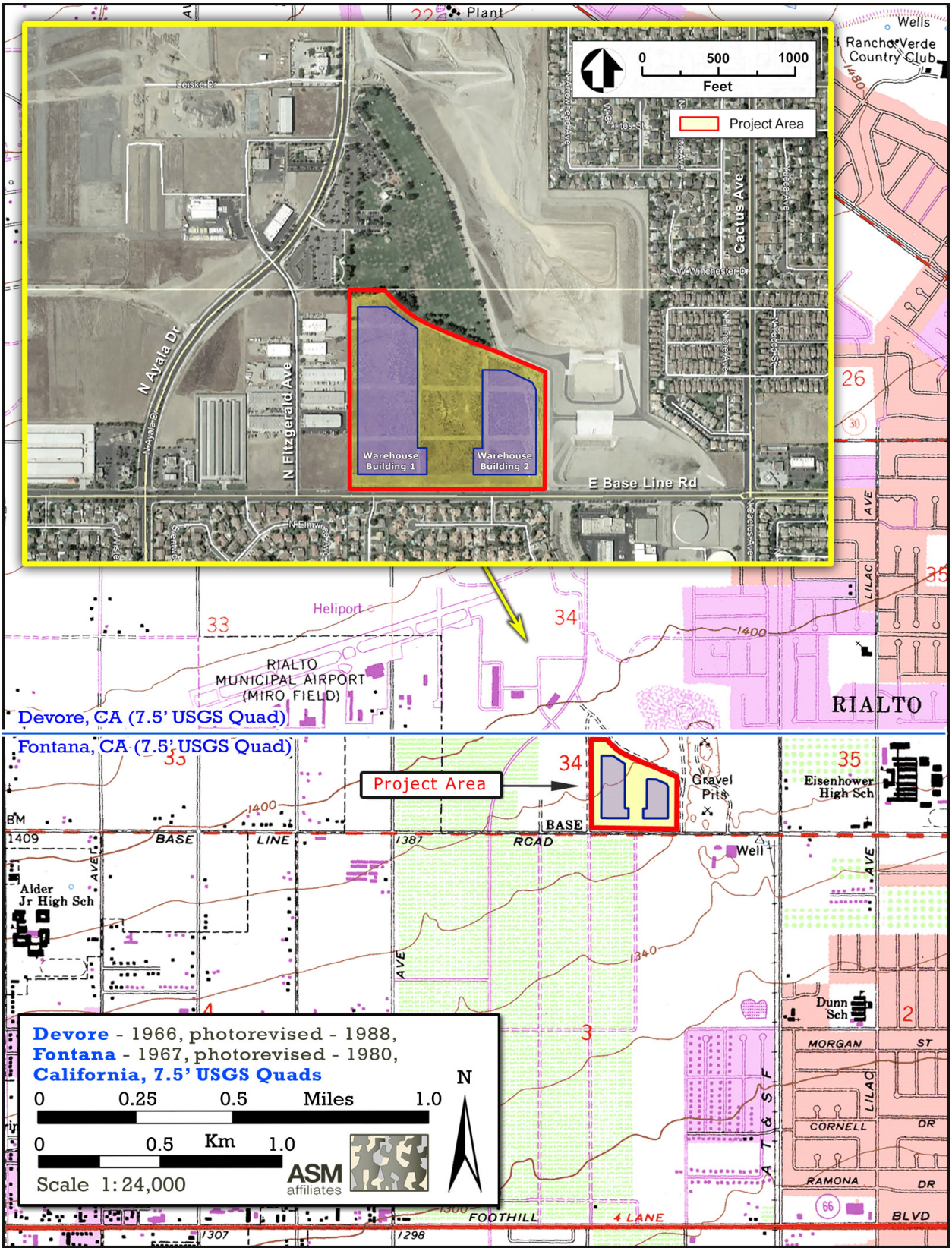

Figure 1. Project location.

Figure 2. Overview of Project parcel, view toward north-northwest.

Figure 3. Overview along west edge of Project parcel adjacent industrial area showing refuse, view toward south.

Figure 4. Overview of Project parcel along boundary with Jerry Eaves Public Park, view toward west.

Figure 5. Overview of Project parcel along Baseline Road, view toward west.

APPENDIX E

ENERGY CALCULATIONS

Construction Fuel Consumption

On-Site Diesel[1]	$MTCO_2e$	Gallons of Fuel[4]	Current County Fuel	Percent
Demolition	0	0		
Site Preparation/Grading	281	27,655		
Building Construction	117	11,479		
Paving	88	8,650		
Architectural Coating	8	819		
Total	493	48,603	277,427,995	0.0175%

Off-Site Diesel[1]				
Demolition	0	0		
Site Preparation/Grading	1,065	104,887		
Building Construction	289	28,473		
Paving	0	0		
Architectural Coating	0	0		
Total	1,354	133,360	277,427,995	0.0481%

Off-Site Gasoline[2]				
Demolition	0	0		
Site Preparation/Grading	10	1,090		
Building Construction	264	29,966		
Paving	6	670		
Architectural Coating	34	3,893		
Total	314	35,619	840,123,907	0.0042%

Total Diesel Fuel		181,963	277,427,995	0.0656%
Total Gasoline Fuel		35,619	840,123,907	0.0042%
Total Construction Fuel	2,161	217,581		

Construction Phase[3]	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2021	0	0	0	34	0	2	247	1065	8
Total	**0**	**0**	**0**	**34**	**0**	**2**	**247**	**1,065**	**8**

Construction Phase[3]	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2021	117	289	264	88	0	6	8		34
Total	**117**	**289**	**264**	**88**	**0**	**6**	**8**	**0**	**34**

Notes:

[1] Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

[2] Fuel used for worker trips assumed to be gasoline.

[3] $MTCO_2e$ rates from CalEEMod (3.0 Construction Details).

[4] For CO2e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Climate Registry Conversion Ratios:

- Gasoline: 10.15 kg CO2 per gallon / 1,000 kg per metric ton
- Diesel: 8.81 kg CO2 per gallon / 1,000 kg per metric ton

Construction Water Energy

Daily Soil Disturbance[1]	4	acres
Days of Soil Disturbance[2]	110	days
Water Concentration[3]	3,020	gallons/acre
Water Energy Intensity[4]	11,110	kWh/MG
Total Construction Water	1.33	million gallons
Construction Water Energy	14,763	kWh
	0.0148	GWh

Notes:

[1] Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Detail) and maximum SCAQMD LST values for soil-disturbing equipment.

[2] Number of days of construction (site prep and grading phases) with soil-disturbing equipment per CalEEMod (3.0 Construction Detail).

[3] Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

[4] Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343.

Operational Fuel

Vehicle Type	Percent[1]	Annual VMT[2]	MPG[3]	Annual Fuel (Gallons)	Fuel Type	San Bernardino Gallons[4]	San Bernardino Percent	
Passenger Cars	0.58	4,505,574	21.6	208,591	Gas	840,123,907	0.0248%	
Light/Medium Trucks	0.14	1,060,958	17.2	61,684	Diesel	277,427,995	0.0222%	0.1502%
Heavy Trucks/Other	0.28	2,164,762	6.1	354,879	Diesel	277,427,995	0.1279%	
Total	1.00	7,731,294		625,154		1,117,551,902		

Land Use	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Unrefrigerated Warehouse	0.2405	0.0371	0.1796	0.0060	0.1195	0.0172	0.0080	0.1120	0.0000	0.0000	0.0000	0.0000	0.2800

Notes:

[1] Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).

[2] Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).

[3] Average fuel economy derived from Department of Transportation.

[4] Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.

Operational Water Energy

Mitigated Indoor	125.4	million gallons
Indoor Energy Intensity Factor[1]	13,021	kWh/MG
Mitigated Outdoor	5	million gallons
Outdoor Energy Intensity Factor[2]	11,110	kWh/MG
Operational Water Energy	1,683,401	kWh

Land Use[3]	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
	0	0	0	0
Unrefrigerated Warehouse	155	0	124	0
General Office Building	0	0	2	0
Landscaping	0	5	0	5
Parking Lot	0	0	0	0
Total Operational Water	**155**	**5**	**125**	**5**

Notes:

[1] Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343. Factor includes supply, treatment, distribution, and wastewater.

[2] Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343. Factor includes supply, treatment, and distribution.

[3] Operational water use values per CalEEMod (7.2 Water by Land Use).

Elecricity/Natural Gas Energy

	Mitigated Project Annual Energy	San Bernardino County Annual Energy[3]	Percentage Increase
Electricity (kWh/yr)	1,776,721	15,323,268,766	0.0116%
Natural Gas (kBTU/yr)	981,828	50,008,247,400	0.0020%
Natural Gas (therms/yr)	9,818	500,082,474	0.0020%

Land Use	Electricity[1] (kWh/yr)		Natural Gas[2] (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
	0	0	0	0
Unrefrigerated Warehouse	1,580,270	1,505,950	1,359,300	957,538
General Office Building	95,200	85,990	34,700	24,290
Landscape	0	0	0	0
Parking Lot	184,781	184,781	0	0
Total Energy	**1,860,251**	**1,776,721**	**1,394,000**	**981,828**

Notes:

[1] Electricity use per CalEEMod (5.3 Energy by Land Use).

[2] Natural Gas use per CalEEMod (5.2 Natural Gas by Land Use).

[3] County total energy values from California Energy Commission energy reports available through ecdms.energy.ca.gov.

APPENDIX F

GEOTECHNICAL REPORT

GEOTECHNICAL PROFESSIONALS INC.

October 2, 2019

Oakmont Rialto Olive Grove, LLC
c/o Crow Holdings Industrial
527 W. 7th Street, Suite 308
Los Angeles, California 90014

Attention: Mr. Jared Riemer

Subject: Planning-Level Preliminary Geotechnical Investigation
Proposed Olive Grove Business Park
North Side of Baseline Road, ¼ mile East of N. Ayala Drive
Rialto, California
GPI Project No. 2963.I

Dear Mr. Riemer:

In accordance with your request, this report presents the results of our planning-level preliminary geotechnical investigation for the proposed business park at the subject site. The purpose of our investigation was to characterize the geotechnical conditions at the site with respect to the feasibility of the development and to provide preliminary recommendations for earthwork and design of foundations, floor slabs and pavements.

INTRODUCTION

The project site is a 31.6 acre parcel located on the north side of Baseline Road, ¼ mile east of North Ayala Drive, in Rialto, California. The location of the site is shown on the Site Location Map, Figure 1. The approximate limits of proposed development are shown on the Site Plan, Figure 2.

The proposed project will consist of two industrial warehouse buildings approximately 416,106 and 235,896 square feet in size. The buildings are anticipated to be tall one-story buildings of concrete tilt-up construction and will likely include some office areas with mezzanines. Column loads are not available at this time; however, we anticipate typical maximum column loads of 80 to 100 kips and wall loads of 6 to 8 kips per foot (dead plus live). Floor slabs will be supported on-grade with dock-high construction.

The finish floor elevation of the west building will slope downward from north to south at about 0.5% from approximate elevation 1383 feet to 1379 feet. The finish floor elevation of the east building will slope downward from north to south at the same gradient from approximate elevation 1378 feet to 1375 feet. We anticipate site grading to include cuts and fills on the order of approximately 10 feet to develop the two building pads.

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Site improvements will also include asphalt and concrete pavements for automobiles, truck and trailer traffic, and fire access lanes, site walls and underground utilities. Stormwater infiltration basins are currently being evaluated and may consist of small open basins or subterranean chamber basins below paved areas.

SCOPE OF WORK

Our scope of work included review of published information, subsurface exploration, field infiltration testing, laboratory testing, engineering evaluations, and preparation of this planning-level preliminary geotechnical letter report.

Our field exploration program for this study consisted of four hollow stem auger borings, ten exploratory test pits, and two infiltration test wells. The borings were performed to depths of approximately 21½ to 36½ feet below existing grade. The test pits were performed to depths of approximately 5 feet below existing grade, and the percolation wells were installed at depths of approximately 16 and 17 feet below existing grades. A description of field procedures and logs of the borings and test pits are presented in the attached Appendices A and B. The procedures and results of the infiltration tests are discussed in this report. The approximate locations of the subsurface explorations and infiltration test wells are shown on the Site Plan, Figure 2.

Laboratory soil tests were performed on selected representative samples as an aid in soil classification and to evaluate the engineering properties of the soils. The geotechnical laboratory testing program included determinations of moisture content and dry density, fines content, shear strength, corrosivity and maximum density. Corrosivity screening tests were performed by HDR under subcontract to GPI. The results of the laboratory testing by GPI and HDR are presented in Appendix C.

Engineering evaluations were performed to provide planning-level recommendations and an assessment of seismic hazards. The results of our evaluations are presented in the remainder of the report.

SURFACE CONDITIONS

The project site is currently unoccupied and covered with short grass, bushes, and weeds. Scatter cobbles and boulders are visible at the ground surface. Historic aerial photographs indicate that the site has been previously used for agriculture prior to 1966. From 1966 to current, the site has been vacant. The site is bounded on the north by Jerry Eaves Park, to the east by a stormwater detention basin, to the west by a series of commercial buildings along North Fitzgerald Avenue, and to the south by Base Line Road.

The ground surface gently slopes downward from about elevation 1390 feet at the northwest corner of the site to elevation 1360 in the southeast corner of the site.

SUBSURFACE CONDITIONS

Our field investigation disclosed a subsurface profile consisting of undocumented fills overlying natural soils. Detailed descriptions of the subsurface conditions encountered in our boring and test pit explorations are provided in Appendix A and B. A brief summary of the subsurface conditions is provided below.

Undocumented fills were encountered to approximately 3½ feet below existing grade in one of the ten test pit explorations (Test Pit TP-7). Approximately 2 to 3 feet of fill was noted in each of the four borings drilled at the site; however, it was difficult to distinguish between the fill and underlying natural soils as they were very similar in material makeup. As such, we conclude that localized shallow fills should be anticipated. The fill materials encountered consisted of silty sands with varying amounts of gravels and few cobbles. The fills were generally medium dense and dry.

The natural soils consist predominately of sand and silty sand with varying amounts of gravel and cobbles, and gravels with varying amounts of sand and silt. Scattered boulders, up to 22 inches in diameter, were also encountered. In general, the native soils were medium dense to very dense and dry to slightly moist. Drilling was performed with small diameter equipment, making it difficult to identify potential cobbles and boulders. The natural soils have moderate to high strength and low to medium compressibility characteristics.

Groundwater was not encountered in our current explorations drilled to a maximum depth of 36 feet below ground surface. Published data by the California Department of Water Resources indicates groundwater is deeper than 400 feet below the ground surface.

CONCLUSIONS AND PRELIMINARY RECOMMENDATIONS

General

Based on the results of our investigation and experience with nearby, similar projects, it is our opinion that from a geotechnical engineering viewpoint, it is feasible to develop the site as proposed. We anticipate the proposed buildings and any appurtenant structures may be supported on shallow foundations underlain by engineered fill. The most significant geotechnical issues that will affect the design and construction of the proposed structures are summarized below:

- Undocumented fills were encountered to depths of up to 3½ feet below existing grade at the site. The fill soils are not considered to be suitable for direct support of foundations or floor slabs. If not removed in the planned excavations, we recommend removal and recompaction of the fill materials to provide uniform support of the planned improvements.

- The fill and native materials encountered had significant amounts of gravel, varying amounts of cobbles, and occasional boulders. The cobbles were generally up to 5 inches in diameter and occasionally up to 12 inches in diameter. The boulders encountered were up to 22 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

- To provide uniform support for the planned buildings, the soils should be removed to a depth of at least 4 feet below the planned finished pad grade, 2 feet below the base of foundations, or 3 feet below existing grade, whichever is greater. Foundations for minor structures, such as site walls, should be underlain by at least 1 foot of properly compacted fill. Deeper removals may be required were unsuitable fill soils extend below the recommended overexcavation depth.

- Deeper overexcavation in the area of deep cuts may be desirable during rough grading in utility corridors to aid in excavating utility trenches with conventional equipment.

- The undisturbed native materials may be suitable for direct support of building foundations but may be undesirable for future excavations of footings or utility trenches. The recommendation for removals to extend to a depth of at least 4 feet below the finished pad grade for building pads materials is provided so that future excavations for utilities and footings can be made with conventional equipment.

- Because of the likely presence of cobbles and boulders, oversize material (greater than 8-inches) should be anticipated to be generated from site cuts. Special handling and/or crushing of oversize material will be required in order to use the material as compacted fill. On-site placement of the boulders in compacted fills will depend on the final site grades.

- Fills placed within 3 feet of the finished pad grade should not contain particles greater than 3 inches in diameter.

- The in-place fill and native soils are generally dry to slightly moist with moisture contents near or below optimum. These soils will require processing and moisture conditioning prior to replacement as properly compacted fill.

Our preliminary recommendations related to the geotechnical aspects of the development of the site are presented in the subsequent sections of this report.

Seismic Considerations

There are no known faults crossing or projecting through the site. The development does not lie within an Alquist-Priolo Earthquake Fault Zone as designated by the California Geologic Survey (CGS), which would require further studies of the fault. Therefore, ground rupture due to faulting is considered unlikely at this site. The closest fault to the site is the San Jacinto fault, which is mapped about 1.6 miles to the northeast.

The buildings are anticipated to be designed in accordance with the 2019 California Building Code (CBC) which will be in effect as of January 1, 2020. The available data indicates that Site Class D, (Stiff Soil) and possibly Site Class C (Very Dense Soil and Soft Rock), would likely be appropriate for use in design of structures. Site specific field testing, which can be performed during final design, should be performed to determine the Site Class.

Typical of Southern California, there is a potential that the site development will be subjected to strong ground motion during its life. The peak ground acceleration used in design for CBC 2019 will be based on the final determination of the Site Class during final design. For a magnitude 8.1 earthquake, we computed that the site could be subjected to a site modified peak ground acceleration (PGA_M) of 0.939g for Site Class D (determined with field testing) and 1.025g for Site Class C. These accelerations were computed using the mapped Maximum Considered Geometric Mean peak ground acceleration from ASCE 7-16 (ASCE, 2016) and the appropriate site coefficient (F_{PGA}). The predominant earthquake magnitude (8.1) was determined using a 2 percent probability of exceedance in a 50-year period, or an average return period of 2,475 years. The structural design will need to incorporate measures to mitigate the effects of strong ground motion.

The site is not located in a Seismic Hazards Zone for liquefaction nor earthquake induced landslide zones. Due to the dense nature of the natural soils, the potential for seismic induced dry-sand settlement is not expected to impact site development.

Foundations

The proposed buildings and minor structures, such as free standing walls and trash enclosures, may be supported on spread footings underlain by engineered fill. We anticipate an allowable net bearing capacity for spread footings on the order of 4,000 pounds per square foot (psf) for building foundations and 2,500 psf for minor structure foundations underlain properly compacted fill. Settlement of the foundations underlain by engineered fill are anticipated to be within tolerable limits.

For preliminary design, a coefficient of friction of 0.40 may be used for frictional resistance and an allowable lateral bearing pressure equal to an equivalent fluid weighing of 300 pounds per cubic foot may be used for the compacted fill soils; these values may be used in combination without reduction.

Earthwork

General

The earthwork anticipated at the project site will consist of clearing and grubbing, excavation of undocumented fills and loose natural or disturbed soils, cuts and fills to grade, subgrade preparation including moisture conditioning, and placement and compaction of fill.

Overexcavation and Placement of Fill

To provide uniform support for the planned buildings, the soils should be removed to a depth of at least 4 feet below the planned finished pad grade, 2 feet below the base of foundations, or 3 feet below existing grade, whichever is greater. Foundations for minor structures, such as site walls, should be underlain by at least 1 foot of properly compacted fill. Deeper removals may be required were unsuitable fill soils extend below the recommended overexcavation depth. If not removed in the planned excavations, we recommend removal and recompaction of the fill materials to provide uniform support of the planned improvements.

Deeper overexcavation in the area of deep cuts may be desirable during rough grading utility corridors to aid in excavating utility trenches with conventional equipment.

The fill and native materials encountered had significant amounts of gravel, varying amounts of cobbles and occasional boulders. The cobbles were generally up to 5 inches in diameter and occasionally up to 12 inches in diameter. The boulders encountered were up to 22 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

Because of the likely presence of cobbles and boulders, oversize material (greater than 8-inches) should be anticipated to be generated from site cuts. Special handling and/or crushing of oversize material will be required in order to use the material as compacted fill. On-site placement of the boulders in compacted fills will depend on the final site grades.

The undisturbed native materials may be suitable for direct support of building foundations but may be undesirable for future excavations of footings or utility trenches. The recommendation for removals to extend to a depth of at least 4 feet below the finished pad grade for building pads materials is provided so that future excavations for utilities and footings can be made with conventional equipment.

Fills placed within 3 feet of the finished pad grade should not contain particles greater than 3 inches in diameter.

After the recommended removals are complete, the exposed subgrade soils should be scarified to a depth of 8 inches, moisture-conditioned, and compacted to at least 90 percent

of the maximum dry density in accordance with ASTM D 1557. If the subgrade is evaluated by our field representative to consist of relatively undisturbed and dense native materials containing gravel and cobbles, scarification of the subgrade may be waived.

Fill soils should be placed in horizontal lifts, moisture-conditioned, and mechanically compacted to at least 90 percent of the maximum dry density in accordance with ASTM D1557.

The moisture content of the existing near surface soils was dry to slightly moist and generally below optimum. Moisture conditioning will be required during grading and consideration should be given to prewatering the site prior to starting earthwork. The moisture content of the fill materials should be between optimum and 2 percent over optimum moisture conditions at the time of compaction and the soils should not be allowed to dry out prior to covering with concrete or additional fill.

Materials for Fill

The on-site soils are, in general, suitable for use as compacted fill, with the exception of oversized materials. Existing on-site soils to be used as fill should be free of debris and any pieces larger than 8 inches in greatest dimension. Imported material and fills placed within 3 feet of the finished building pad grades should not contain particles greater than 3 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

Soils used as retaining wall backfill should be granular (contain no more than 40 percent fines - portion passing No. 200 sieve) and non-expansive (E.I. less than 20). Such materials are anticipated to be available on-site. Imported fill material should be predominately granular and non-expansive as defined above.

Walls Below Grade

Although permanent retaining walls are not anticipated, preliminary lateral earth pressures for use in conceptual design of walls below grade are provided below:

Wall Condition	Equivalent Fluid Pressure
Cantilever walls with level, drained backfill comprised of granular soils or the undisturbed natural soils (Static Active Pressure Condition)	40 pcf (1)
Restrained basement walls with drained conditions (Static At-Rest Pressure Condition)	60 pcf (1)
Additional lateral pressure increases for seismic loading Active Pressure Condition: At-rest Pressure Condition:	 33 pcf 13 pcf
Surcharge Pressures	See below.

Note (1) does not include hydrostatic pressures or seismic earth pressures.

Walls subject to surcharge loads should be designed for an additional uniform lateral pressure equal to one-third and one-half the anticipated surcharge pressure for unrestrained and restrained walls, respectively. In addition to the recommended earth pressure, the upper 10 feet of the walls adjacent to the streets should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pound per square foot surcharge behind the shoring due to normal street traffic.

Concrete Floor Slabs

Concrete floor slabs supported at grade are anticipated to be underlain by engineered fill following overexcavation and recompaction or near surface unsuitable fill and natural soils. A moisture vapor retarder should be placed under slabs that are to be covered with moisture-sensitive floor coverings.

Pavements

Based on an assumed R-value of 45 and using the California Division of Highways Design Method, the following preliminary pavement sections have been developed for various levels of traffic.

PAVEMENT AREA	TRAFFIC INDEX	SECTION THICKNESS (inches)	
		ASPHALT CONCRETE	AGGREGATE BASE COURSE
Asphalt Concrete			
Auto Parking Stalls	4	3	4
Circulation Drives	5	3	4
Truck Drives	6	3	6
Heavy Truck Drives	7	4	6
Portland Cement Concrete		**PCC(1)**	
Auto Parking Stalls	4	6	0
Circulation Drives	5	6.5	0
Truck Drives	6	7	0
Heavy Truck Drives	7	7	0
	8	7.5	0

(1) Note: PCC pavement section can be reduced by ½ inch if underlain by 4 inches of aggregate base.

The pavement subgrade and the base course material should be compacted to at least 95 percent of the maximum dry density (ASTM D 1557). Testing of the subgrade soils should be performed during design and following rough grading to confirm and update the recommended pavement sections based on Traffic Indexes provided by the Civil Engineer.

Corrosion

Based on laboratory testing by HDR (included in Appendix C of this report) the site soils are considered to be mildly corrosive to concrete and ferrous metals. Based on the test results, foundation concrete and other concrete in contact with site soils should conform to the requirements outlined in ACI 318-14, Section 19.3 for a negligible level of soluble sulfate exposure for soil (Exposure Class S0). According to the American Concrete Institute (ACI) 318-14, Table 19.3.1.1, the Exposure Class for corrosion protection of reinforcement are "C0" if "concrete is dry or protected from moisture", and "C1" if "concrete is exposed to moisture but not to an external sources of chlorides".

The provided preliminary corrosion tests are only an indicator of potential soil corrosivity for the sample tested. GPI's scope of work did not include corrosion engineering. A corrosion engineer should be retained to evaluate the corrosion potential of the site to proposed improvements, to recommend further testing as required, and to provide specific corrosion mitigation methods appropriate for the project. Additional testing should be conducted during final design.

Percolation Test Wells

Test wells, P-1 and P-2 were, were installed in boreholes drilled using truck-mounted hollow-stem auger drill equipment at two of the preliminary infiltration basin locations. The locations of the test wells are shown on Figure 2. The wells consisted of 2-inch diameter PVC casing installed in an 8-inch diameter borehole. The casing was perforated in the lower 2 feet of the wells. Packing material around the slotted sections of the well casing consisted of #3 sand. The test wells P-1 and P-2 were constructed to depths of approximately 17½ and 16 feet, respectively, below existing grade in order to test the soils near the bottom elevations for two basins that were being considered at the time our field work was conducted. The percolation testing was performed in general accordance with the San Bernardino County guidelines for borehole infiltration tests.

The test wells were filled with water the day before testing and presoaked at least 15 hours. Prior to running the tests in the wells, we conducted the Sandy Soil Criteria Test by filling the test holes as described in the guidelines and taking measurements of the water levels. The Sandy Soil Criteria were achieved in both wells P-1 and P-2. Two consecutive measurements showed that at least 6 inches of water seeped away in less than 25 minutes, therefore the test was continued for at least 1 hour as described in the criteria. The results of the Sandy Soil Criteria Tests are shown on the table below.

The percolation testing was conducted as outlined in the Reference for 'sandy soils' for at least six consecutive 10-minute readings. The tests were performed in each well, measuring the drop in water level over the designated time increment, as appropriate for each location. The initial water heights in the test wells were on the order of 3 feet above the bottom of the test well. After each reading, the water level was raised to approximately the same height. Details of the percolation tests are presented in the attached Table 1, Borehole Infiltration Test Results.

The measured infiltration rates were calculated using the drop in water level over the test increment time and corrected using the Porchet Method. The final measured rates for each well, corrected as indicated above are presented in the following table and should be used with an appropriate factor of safety.

Infiltration Test Results Summary

TEST WELL	APPROXIMATE DEPTH OF TEST WELL (feet)	CORRECTED INFILTRATION RATE (in./hr.)
P-1	17.6	4.4
P-2	16.2	4.9

After completion of the infiltration testing, the well casings were removed, and the holes were backfilled with the on-site soils.

Based on the results of the tests, storm water disposal by infiltration into the shallow subsurface soils is anticipated to be technically feasible. The subsurface conditions encountered in the explorations across the site appear to be relatively uniform and comparable infiltration rates are anticipated in other areas of the site. During final design, additional explorations and infiltration testing should be conducted at the specific locations and depths of planned stormwater infiltration.

The Civil Engineer should evaluate the feasibility of surface infiltration using the rates provided above. Additional factors of safety in computing the design infiltration rate of the proposed infiltration BMP should be determined by the project Civil Engineer.

It should also be noted that the infiltration rates are for clean, clear water and do not include effects of sediment, fines, dissolved solids or other debris, as these materials will significantly reduce the infiltration rates of the subsurface soils. Prior to infiltration, water should be cleaned of sediment or other deleterious materials to help reduce the potential for clogging and reduced percolation rates. Should fines or suspended solids be permitted to enter the basin, reduced infiltration rates will result.

LIMITATIONS

The geotechnical investigation reported herein was performed for the exclusive use by Oakmont Rialto Olive Grove LLC and their consultants in evaluating the feasibility of constructing the proposed improvements. This report should not be used for evaluating the feasibility of developing the site for other uses or for the detailed design of the proposed project, because this report does not contain sufficient or appropriate information for such use.

Soil deposits may vary in type, strength, and many other important properties between points of exploration due to non-uniformity of the geologic formations or to man-made cut and fill operations. While we cannot evaluate the consistency of the properties of materials in areas not explored, the conclusions drawn in this report are based on the assumption that the data obtained in the field are reasonably representative of field conditions and are conducive to interpolation and extrapolation.

As noted previously, additional geotechnical investigations will be needed for design and construction. Furthermore, our recommendations were developed with the assumption that a proper level of field observation and construction review will be provided by a qualified geotechnical consulting firm during grading, excavation, and foundation construction. If design- and construction-phase geotechnical services are performed by others they must accept full responsibility for all geotechnical aspects of the project.

Our investigation and evaluations were performed using generally accepted engineering approaches and principles available at this time and the degree of care and skill ordinarily exercised under similar circumstances by reputable Geotechnical Engineers practicing in this area. No other representation, either express or implied, is included or intended in our report.

Respectfully submitted,
Geotechnical Professionals Inc.

Justin J. Kempton, G. E. 2385
Associate

Paul R. Schade, G.E. 2371
Principal

Enclosures: References
Figure 1 - Site Location Map
Figure 2 - Site Plan
Table 1 - Borehole Infiltration Test Results
Appendix A - Exploratory Borings
Appendix B - Exploratory Test Pits
Appendix C - Laboratory Testing

REFERENCES

1. American Society of Civil Engineers (ASCE) (2016), “Minimum Design Loads for Buildings and Other Structures,” ASCE/SEI 7-16

2. California Department of Water Resources, Water Data Library, http://www.water.ca.gov/waterdatalibrary/

3. California Geological Survey (2008), “Guidelines for Evaluating and Mitigating Seismic Hazards in California,” Special Publication 117A, 2008.

4. California Geological Survey (2008), “Recommended Criteria for Delineating Seismic Hazard Zones in California,” Special Publication 118, April 2004.

5. California Geological Survey (2010), “Fault Activity map of California”, http://maps.conservation.ca.gov/cgs/fam/

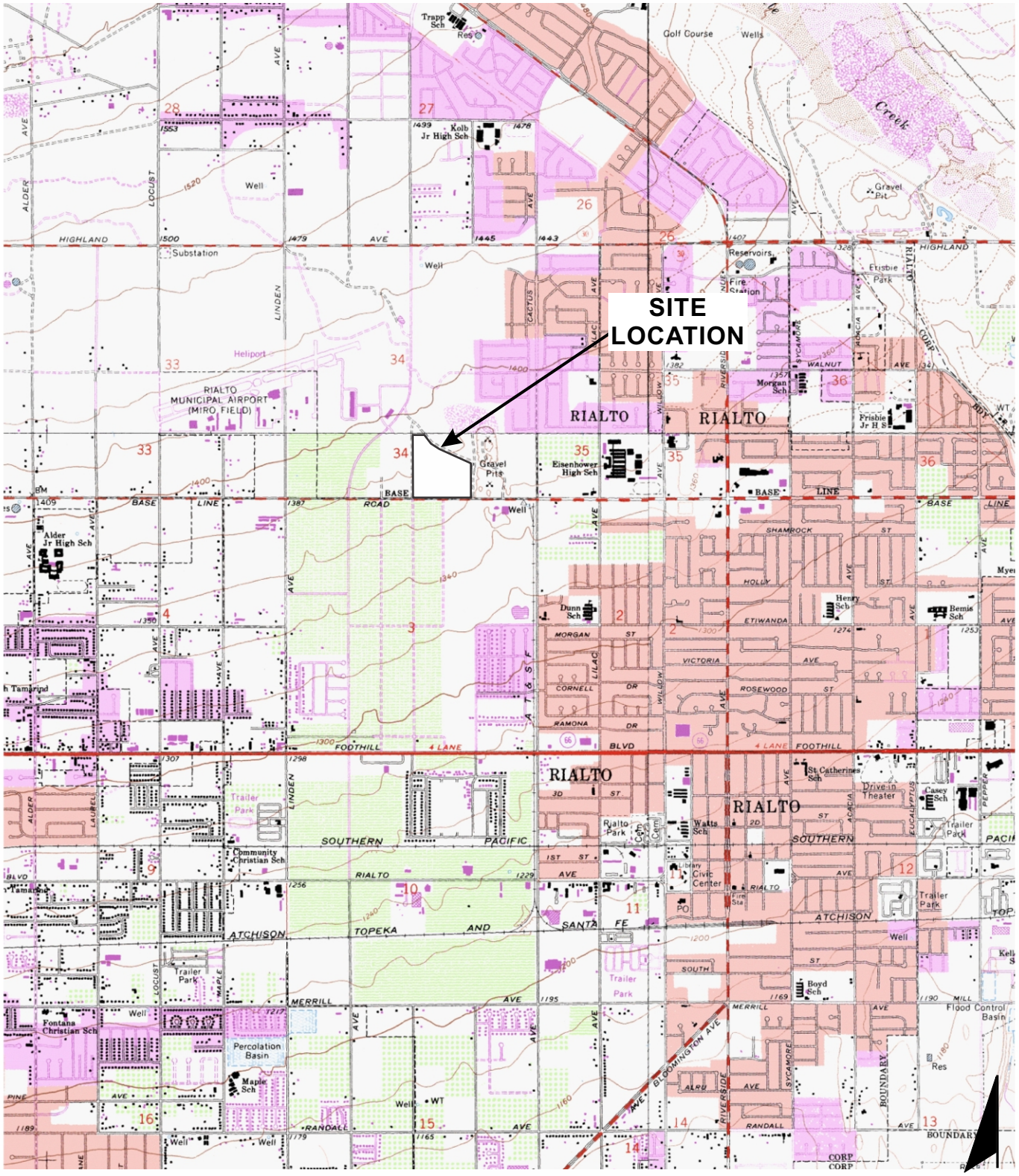
6. California Office of Statewide Health Planning and Development (OSHPD), Seismic Design Maps Website, https://seismicmaps.org/

7. NETR Online, Historical Aerials, www.historicalaerials.com

8. United States Geologic Survey, 1978, Open File Report 78-19, Geologic Map of Fontana Quadrangle, Riverside and San Bernardino Counties

9. United States Geological Survey (2014), 2008 National Seismic Hazard Maps, Source Parameters, http://geohazards.usgs.gov/cfusion/hazfaults_search/hf_search_main.cfm

10. United States Geological Survey (accessed 2019), Unified Hazard Tool website, https://earthquake.usgs.gov/hazards/interactive/



BASE MAP REPRODUCED FROM USGS 7.5' TOPO MAPS © CALTOPO

GPI GEOTECHNICAL PROFESSIONALS, INC.

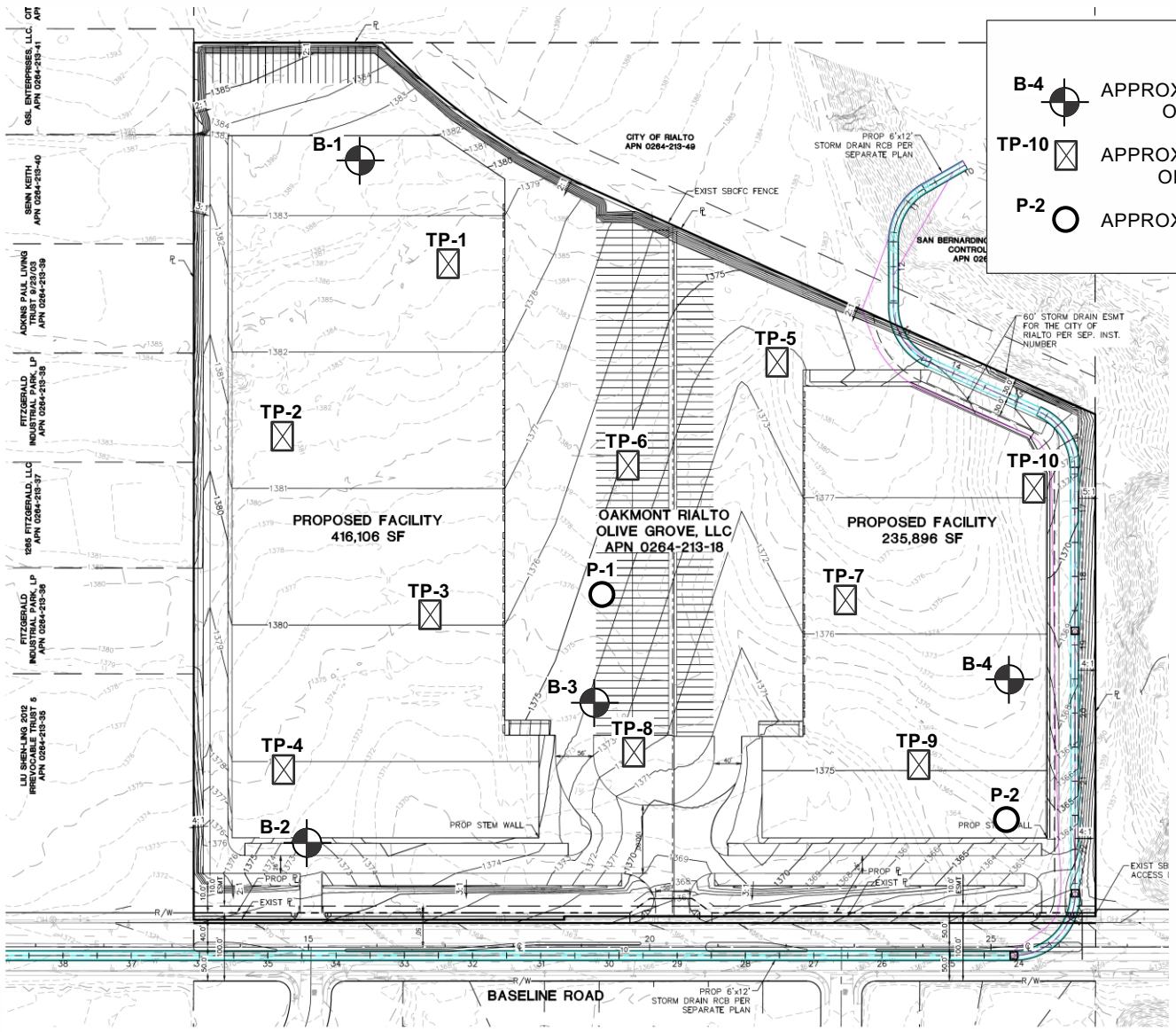
SITE LOCATION MAP

OLIVE GROVE BUSINESS PARK

GPI PROJECT NO.: 2963.I

SCALE: 1" = 3000'

FIGURE 1



BASE MAP REPRODUCED FROM STORM DRAIN AND GRADING EXHIBIT BY KIMLEY HORN DATED SEPTEMBER 26, 2019

GPI GEOTECHNICAL PROFESSIONALS, INC.

OLIVE GROVE BUSINESS PARK

GPI PROJECT NO.: 2963.I | SCALE: 1" = 250'

SITE PLAN

FIGURE 2

TABLE 1

BOREHOLE INFILTRATION TEST RESULTS (corrected with Porchet Method)

San Bernadino County Method-TGD, 2011

Project No. 2963.I Project Name: Olive Grove Business Park Date: 10/2/2019

Test Date 9/16/2016 NOTE: Slowest rate from percolation testing used to calculate infiltration rate

		Water	Water	Total		Initial	Final	Change in	Average	
	Test	Depth	Depth	Depth of	Hole	Water	Water	Height of	Height of	Infiltration
Test Well	Duration	Initial	Final	Test Hole	Diameter	Height	Height	Water	Water	Rate
	(min)	(ft)	(ft)	(ft)	(inches)	(ft)	(ft)	(ft)	(ft)	(in/hr)
	Δt	D_o	D_f	D_T		H_o	H_f	$\Delta H=\Delta D$	H_{avg}	I_t
P-1	10	14.60	15.60	17.60	8	3.00	2.00	1	2.50	4.5
P-1	10	14.60	15.59	17.60	8	3.00	2.02	0.985	2.51	4.4
P-1	10	14.60	15.59	17.60	8	3.00	2.02	0.985	2.51	4.4
P-1	10	14.60	15.58	17.60	8	3.00	2.03	0.975	2.51	4.4
P-1	10	14.60	15.55	17.60	8	3.00	2.05	0.95	2.53	4.2
P-1	10	14.60	15.58	17.60	8	3.00	2.03	0.975	2.51	4.4
P-1	10	14.60	15.58	17.60	8	3.00	2.02	0.98	2.51	4.4

Test Date 9/16/2016 NOTE: Slowest rate from percolation testing used to calculate infiltration rate

		Water	Water	Total		Initial	Final	Change in	Average	
	Test	Depth	Depth	Depth of	Hole	Water	Water	Height of	Height of	Infiltration
Test Well	Duration	Initial	Final	Test Hole	Diameter	Height	Height	Water	Water	Rate
	(min)	(ft)	(ft)	(ft)	(inches)	(ft)	(ft)	(ft)	(ft)	(in/hr)
	Δt	D_o	D_f	D_T		H_o	H_f	$\Delta H=\Delta D$	H_{avg}	I_t
P-2	10	13.20	14.25	16.20	8	3.00	1.95	1.05	2.48	4.8
P-2	10	13.20	14.26	16.20	8	3.00	1.94	1.06	2.47	4.8
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9
P-2	10	13.20	14.26	16.20	8	3.00	1.94	1.06	2.47	4.8
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9

APPENDIX A

APPENDIX A

EXPLORATORY BORINGS

The subsurface conditions for the site were investigated by drilling and sampling four exploratory borings. The borings were advanced to depths of 21½ to 36½ feet below the existing ground surface. The approximate locations of the explorations are shown on the Site Plan, Figure 2.

The exploratory borings were drilled using truck-mounted hollow-stem auger drill equipment. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D 3550). The brass-rings have an inside diameter of 2.42 inches. The ring samples were driven into the soil by a 140-pound hammer dropping 30 inches. The number of blows needed to drive the sampler into the soil was recorded as the penetration resistance.

At selected locations, disturbed samples were obtained using a split-spoon sampler by means of the Standard Penetration Test (SPT, ASTM D 6066). The spoon sampler was driven into the soil by a 140-pound hammer dropping 30 inches, employing the “free-fall” hammer described above. After an initial seating drive of 6 inches, the number of blows needed to drive the sampler into the soil a depth of 12 inches was recorded as the penetration resistance. These values are the raw uncorrected blow counts.

The field explorations for the investigation were performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the borings, classified the soils encountered, and obtained relatively undisturbed samples for examination and laboratory testing. The soils encountered in the borings were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the borings are presented in Figures A-1 through A-4 in this appendix. Upon completion of the sampling of hollow-stem auger borings, the holes were backfilled with the excavated soils.

The boring locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from an A.L.T.A./N.S.P.S. Land Title Survey Sheet 1 of 1, dated 5/13/19, by Madole and Associates, Inc., and should be considered approximate.

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	Fill: **SILTY SAND (SM)** brown, dry	
11.1	114	27	D		Natural: **SILTY SAND (SM)** brown, moist, medium dense, trace gravel	1385
10.6		8	S	5	@ 5 feet, loose, fine to medium grained	
3.9	120	53	D		**SAND WITH SILT AND GRAVEL (SP-SM)** light brown, slightly moist, dense, trace cobble	1380
3.6		22	S	10	@ 10 feet, medium dense	
						1375
2.6	119	90/11"	D	15	@ 15 feet, dry, very dense	
						1370
3.6		16/50/6"	S	20	@ 20 feet, slightly moist	
						1365
5.7	116	50/5"	D	25	**SILTY SAND (SM)** brown, slightly moist, very dense, some gravel	
					@ 27 to 30 feet, rig chattering	1360
3.6		50/6"	S	30	@ 30 feet, some cobble	
						1355
3.5		50/4"	D	35		
					Total Depth 36 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-1

FIGURE A-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Possible Fill: **SILTY SAND (SM)** light brown, dry, trace gravel	1370
0.7		15	S		@ 2 feet, medium dense, little cobble	
					Natural: **SILTY SAND (SM)** light brown, dry, very dense	
1.4	105	50/5"	D	5		
2.3		50/4"	S		**SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, very dense	1365
4.9	121	83/11"	D	10	@ 10 feet, slightly moist	1360
		50/3"	S	15	@ 15 feet, no recovery	1355
3.1		19/50/5"	S	20		
					Total Depth 21.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-2

FIGURE A-2

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Fill: **SILTY SAND (SM)** light brown, dry, few cobble (3 to 12 inch diameter)	
1.0		39	S		Natural: **SILTY SAND (SM)** light brown, dry, dense, trace cobble	1370
2.3	118	53	D	5	**SAND WITH SILT AND GRAVEL (SP-SM)** light brown, slightly moist, dense	
6.8		28	S		**SILTY SAND (SM)** light brown, slightly moist, medium dense	1365
3.9	116	43	D	10	**SAND WITH SILT (SP-SM)** brown, slightly moist, dense, trace gravel	
					SILTY SAND (SM) brown, slightly moist, dense	1360
7.2		47	S	15	**SAND WITH SILT (SP-SM)** light brown, moist, dense, trace gravel and cobble	
						1355
3.1	115	50/6"	D	20	@ 20 feet, slightly moist, very dense	
						1350
3.6		24/50/6"	S	25		
						1345
		50/3"	D	30	@ 30 feet, no recovery	
						1340
4.5		71	S	35	@ 35 feet, slightly moist to moist	
					Total Depth 36.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-3

FIGURE A-3

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	Fill: **SILTY GRAVEL WITH SAND (GM)** light brown, dry, trace cobbles (up to 12 inch diameter)	1370
7.6	106	41	D		Natural: **SILTY SAND WITH GRAVEL (SM)** brown, moist, medium dense, trace cobble	
8.5		9	S	5	@ 5 feet, loose	1365
4.4	123	60	D		**SAND WITH SILT (SP-SM)** brown, slightly moist, dense, coarse, trace gravel	
5.0		25	S	10	@ 10 feet, medium dense	1360
2.8	110	54	D	15	@ 15 feet, dense	1355
4.6		21	S	20	@ 20 feet, medium dense	1350
3.6	118	50/6"	D	25	**SAND (SP)** light brown,slightly moist, very dense, trace gravel	1345
3.8		15/77/9"	S	30	**SAND WITH SILT (SP-SM)** light brown, slightly moist, very dense, trace gravel, 1-inch lens of silty sand at 31 feet @32 feet, rig chattering	1340
3.4	109	58	D	35	@ 35 feet, slightly moist, dense	1335
					Total Depth 36 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-4

FIGURE A-4

APPENDIX B

APPENDIX B

EXPLORATORY TEST PITS

The subsurface conditions at the site were investigated by excavating and sampling ten exploratory test pits. The excavations were advanced to depths of approximately 5 feet below the existing ground surface using a backhoe. The locations of the explorations are shown on the Site Plan, Figure 2.

The field exploration for the investigation was performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the test pits, and classified the soils encountered. The soils encountered in the test pits were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the explorations are presented in Figures B-1 to B-10 in this appendix.

The test pit locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from an A.L.T.A./N.S.P.S. Land Title Survey Sheet 1 of 1, dated 5/13/19, by Madole and Associates, Inc., and should be considered approximate.

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes less than 1 inch	
						@ 3 feet, moist, few gravel, probes 1-inch	
						@ 4 feet, some angular gravel	1380
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-1

FIGURE B-1

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	1380
						@ 1 foot, probes 2-3 inches	
						@ 3.5 feet, some gravel and rounded cobbles (up to 4 inches), probes 1-inch	
					5	**GRAVEL WITH SAND (GP)** some cobbles (up to 4 inches)	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-2

FIGURE B-2

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, some gravel and cobbles (3 to 5 inches), probes 1-inch	
						@ 1 foot, probes less than 1-inch	
						GRAVEL WITH SAND (GP) brown, slightly moist, probes less than 1-inch, some cobbles	
						@ 4 feet, probes 2-inches	
					5		1370
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-3

FIGURE B-3

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0		
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes 2-inches, some cobbles and rounded boulders up to 22 inches in diameter	
						@ 2 feet, probes 1-inch	
						@ 3 feet, probes less than 1-inch	
					5		1370
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-4

FIGURE B-4

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, little gravel	
						@ 1 foot, moist	
						@ 3 feet, some rounded gravel	1375
						SANDY GRAVEL (GP) light brown, slighlty moist, some cobbles (3 to 5 inches)	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-5

FIGURE B-5

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, few gravel	
						@ 1 foot, probes 1-2 inches, trace gravel	
						@ 2 feet, probes less than 1-inch	
						@ 3 feet, little gravel	1375
						SAND WITH SILT AND GRAVEL (SP-SM) light brown, slightly moist, probes less than 1-inch	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-6

FIGURE B-6

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Fill: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	
						@ 2 feet, with roots	1370
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes 1-inch	
					5	@ 4.5 feet, some rounded cobbles (3 to 5 inches)	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-7

FIGURE B-7

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, moist, trace gravel, probes 1 to 2 inches	
						@ 3 feet, brown, probes 1-inch, with rounded gravel	1370
					5	**SAND WITH GRAVEL (SP)** brown, moist, probes less than 1-inch	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-8

FIGURE B-8

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	
						@ 1.5 feet, some cobbles	
						@ 3 feet, probes less than 1-inch	
						SAND WITH GRAVEL (SP) light brown, slightly moist, probes less than 1-inch, some cobbles	
					5		1360
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-9

FIGURE B-9

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, some gravel and cobbles	1365
						GRAVEL WITH SAND (GP) light brown, slightly moist, probes 1 inch, some cobbles	
						SAND WITH SILT (SP-SM) light brown, slightly moist, probes 1-inch, some gravel and cobbles 3 to 5 inches	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-10

FIGURE B-10

APPENDIX C

APPENDIX C

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density were determined from a number of the ring and SPT samples from the borings. The samples were first trimmed to obtain volume and wet weight and then were dried in accordance with ASTM D 2216. After drying, the weight of each sample was measured, and moisture content and dry density were calculated. Moisture content and dry density values are presented on the boring logs in Appendix A.

PERCENTAGE PASSING NO. 200 SIEVE

Select soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. For select samples, the retained material was then run through a standard set of sieves in accordance with ASTM D 422 to classify the coarse fraction of representative sample. A summary of the percentages passing the No. 200 sieve is presented below. The grain size distribution data obtained from the full sieve analyses are presented in Figure C-1.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-1	0-5	Silty Sand (SM)	45
B-3	15	Sand with Silt (SP-SM)	7
B-3	20	Sand with Silt (SP-SM)	5
B-4	0-5	Silty Gravel with Sand (GM)	16
B-4	15	Sand with Silt (SP-SM)	6

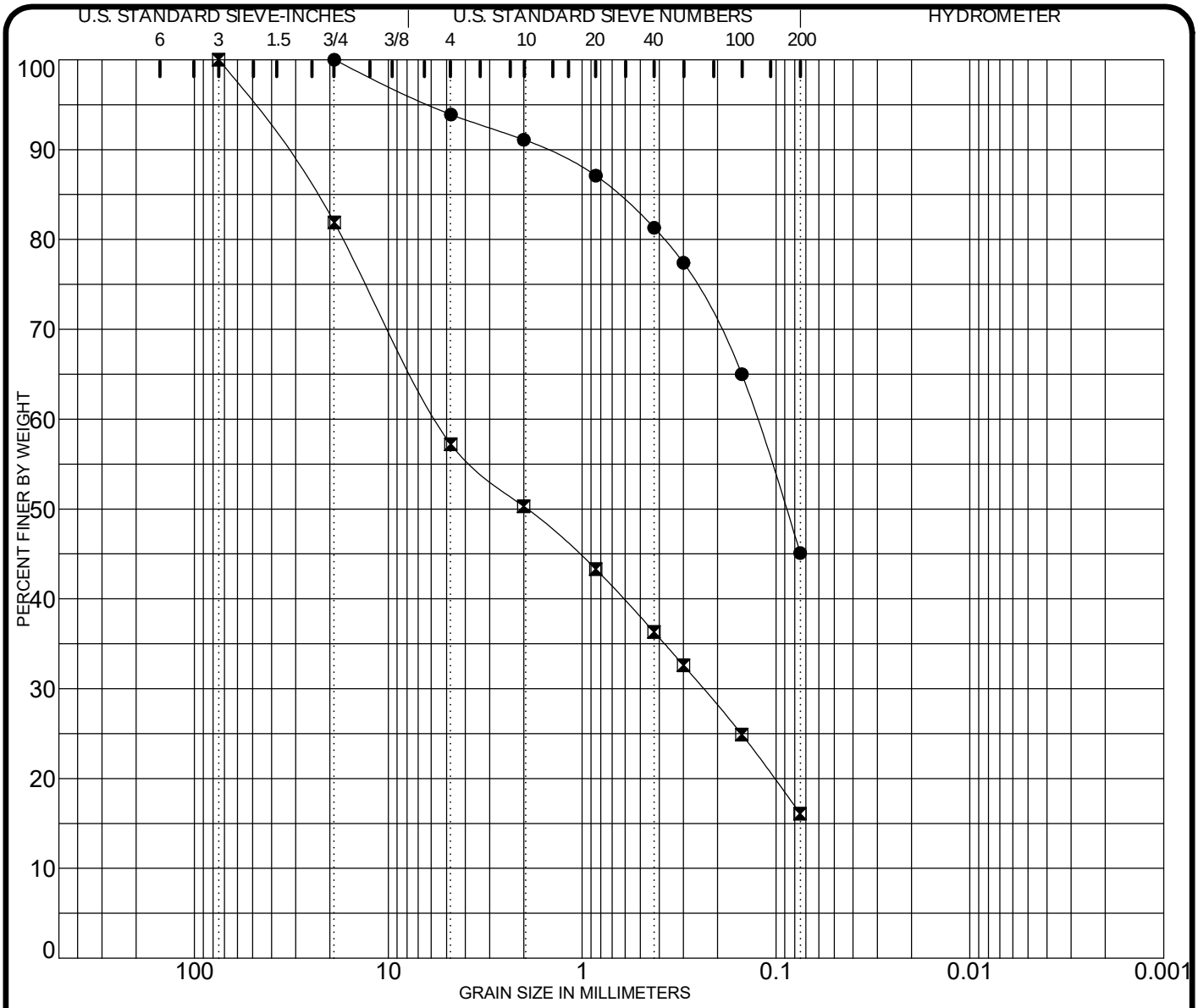
DIRECT SHEAR

A direct shear test was performed on undisturbed samples in accordance with ASTM D 3080. The sample was placed in the shear machine, and pre-selected normal loads were applied. The samples were inundated, allowed to consolidate, and then were sheared to failure at a strain rate of 0.002 inches per minute. The tests were repeated on additional test specimens under increased normal loads. Shear stress and sample deformation were monitored throughout the test. The results of the direct shear test are presented in Figure C-2.

COMPACTION TEST

A maximum dry density/optimum moisture test was performed in accordance with ASTM D1557 on a representative bulk sample of the surficial soils. The test results are as follows.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	OPTIMUM MOISTURE (%)	MAXIMUM DRY DENSITY (pcf)
B-3	0-5	Silty Sand (SM)	8	133



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Location		Classification	MC%	LL	PL	PI	Cc	Cu
●	B-1	0.0	SILTY SAND (SM)						
⊠	B-4	0.0	SILTY GRAVEL with SAND (GM)						

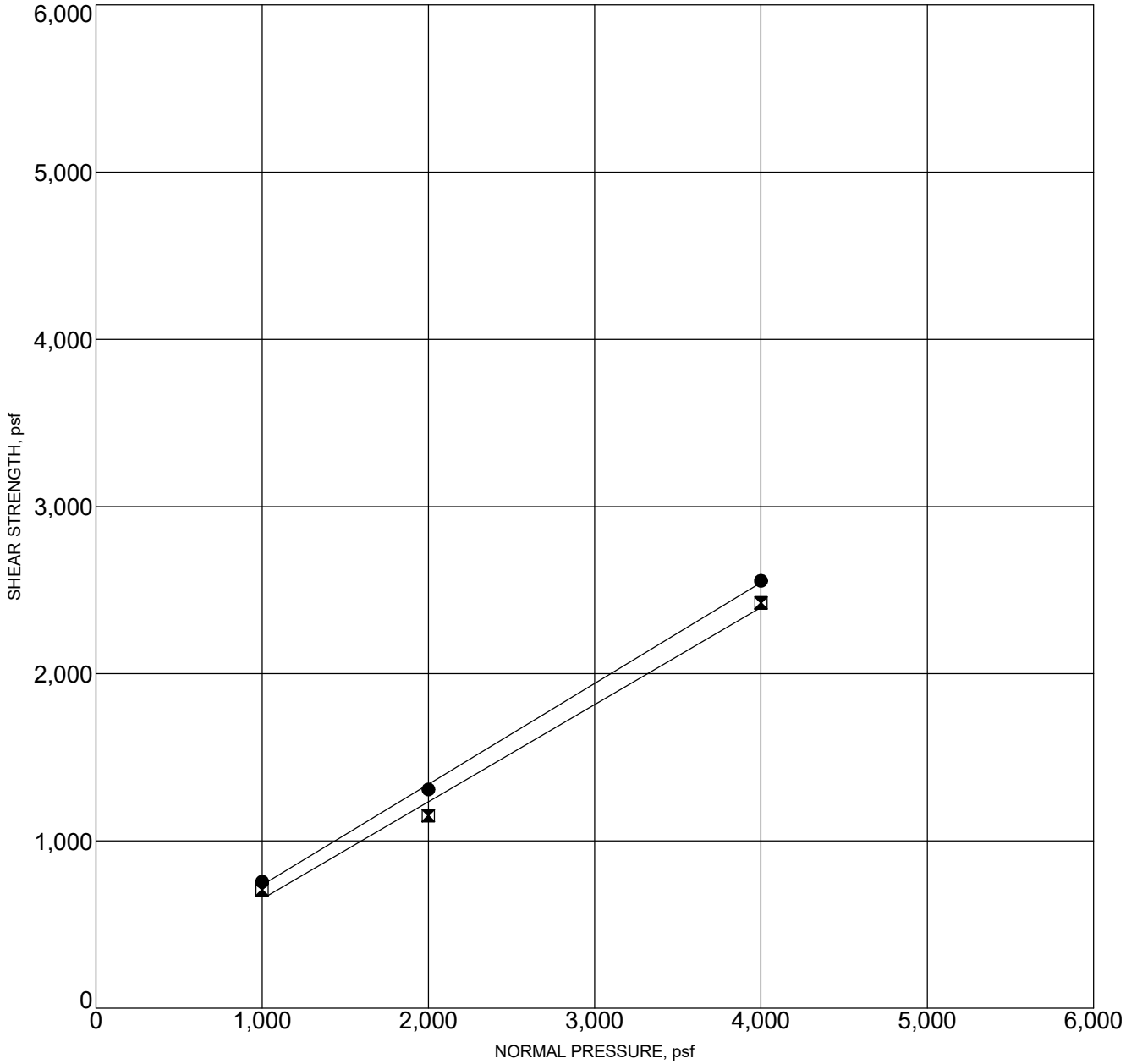
	Sample Location		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-1	0.0	19.00	0.13			6.1	48.8	45.1	
⊠	B-4	0.0	75.00	5.56	0.237		42.8	41.1	16.1	

PROJECT: OLIVE GROVE BUSINESS PARK PROJECT NO. 2963.I

GPI

GRAIN SIZE DISTRIBUTION

FIGURE C-1



● **PEAK STRENGTH**
Friction Angle= 31 degrees
Cohesion= 132 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 72 psf

Note: Samples remolded to 90% of maximum dry density

Sample Location		Classification	DD,pcf	MC,%
B-3	0-5	SILTY SAND (SM)	133	8.0

PROJECT: OLIVE GROVE BUSINESS PARK PROJECT NO.: 2963.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE C-2

GEOTECHNICAL PROFESSIONALS INC.

July 26, 2021

Oakmont Rialto Olive Grove, LLC
c/o Crow Holdings Industrial
527 W. 7th Street, Suite 308
Los Angeles, California 90014

Attention: Mr. Jeff Hill

Subject: Addendum 1 to Planning-Level Preliminary Geotechnical Investigation
Proposed Olive Grove Business Park
North Side of Baseline Road, ¼ mile East of N. Ayala Drive
Rialto, California
GPI Project No. 2963.I

Dear Jeff:

In accordance with your request, this addendum letter presents supplemental information and conclusions to our Planning-Level Preliminary Geotechnical Investigation report dated October 2, 2019 (GPI, 2019) to support the Environmental Impact Report (EIR) being prepared by others. The additional information requested is presented below by the individual topic.

Liquefaction – The site is not located within a zone identified as having a potential for liquefaction by the California Geological Survey (CGS), as the quadrangle has not yet been assessed. The site is not located in a zone identified as having a potential for liquefaction by the County of San Bernardino (County, 2007). Published groundwater elevation maps (CDMG, 1976) indicate that groundwater is at a depth of approximately 400 feet below ground surface, as previously mentioned in our report based on California Department of Water Resources data (DWR website, 2019). In addition, the site is underlain by coarsely granular alluvial fan deposits with high penetration resistance [N] values. Accordingly, the potential for liquefaction at the site is remote.

Additional references that support the conclusions regarding liquefaction in our October 2, 2019 are presented in the attached list of references and include Geological Survey Bulletin 1898 (USGS, 1991), DMG Special Publication 102 (DMG, 1993) and Miscellaneous Field Studies Map, Contour Map Showing Minimum Depth to Groundwater, Upper Santa Ana River Valley, California (USGS, 1985)

Landslides - Published landslide maps (CDMG, 1976) indicate that the site is in Valley Floor slope conditions and is not susceptible to landsliding. The site is not located in a zone identified as being susceptible to landslides by the County of San Bernardino (County, 2007).

Lateral Spreading - For lateral spreading to occur, a sloping site with an open face within or at some distance from the site typically exists and there is a potential for liquefaction to occur near the base of the open face. Because the potential for liquefaction to occur at the site is remote, the potential for lateral spreading is remote.

5736 Corporate Avenue • Cypress, CA 90630 • (714) 220-2211 , FAX (714) 220-2122

Soil Expansion - The natural soils consist predominately of sand and silty sand with varying amounts of gravel and cobbles, and gravels with varying amounts of sand and silt. Although not tested, theses soils are considered to have a very low expansion potential.

Subsidence - The site is located within a widespread area of recorded subsidence due to groundwater withdrawal/pumping - historical and current - across California (USGS website, accessed 2021). Subsidence is a potential hazard in areas where there are significant thicknesses of alluvial soils and where groundwater withdrawal is anticipated. Published maps (CDMG,1976) indicate that the site is underlain by approximately 900 feet of alluvium and groundwater is at a depth of approximately 400 feet. Based on the depth to groundwater, if groundwater were lowered, subsidence would occur over a regional area and the effects would not cause potentially damaging differential settlement on local structures.

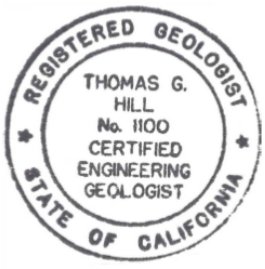
Erosion - The site gently slopes from the northeast corner to the southwest corner. The near surface natural soils consist predominately of sand and silty sand with varying amounts of gravel and cobbles, and gravels with varying amounts of sand and silt. These materials have a relatively low to moderate potential for erosion depending on drainage patterns. The project is not anticipated to require significant cuts and fills thereby reducing the potential for such erosion. The finished project is also anticipated to be relatively flat and substantially covered with pavements and buildings, thereby reducing the potential for erosion. The construction phase of the project may result in soil erosion depending on temporary draining patterns during construction. A Storm Water Pollution Prevention Program (SWPPP) will be required to identify and implement erosion control measures to prevent substantial topsoil erosion.

CLOSURE

The conclusions and recommendations presented in this letter are subject to the same limitations presented in our October 2, 2019 report. Please contact us if you have any questions or comments.

Respectfully submitted,
Geotechnical Professionals Inc.

Justin J. Kempton, G. E. 2385
Principal



Thomas G. Hill, C.E.G. 1100
Consulting Engineering Geologist

Enclosures: References

REFERENCES

1. California Division of Mines and Geology (CDMG), 1976, Special Report 113, Geologic Hazards in Southwestern San Bernardino County, California.

2. California Department of Water Resources (DWR), Water Data Library, website accessed 2019, http://www.water.ca.gov/waterdatalibrary/

3. County of San Bernardino (County), 2007, Land Use Plan, General Plan, Geologic Hazard Overlays, Map FH29-C, Fontana, map dated May 30, 2007.

4. Division of Mines and Geology (DMG), 1993, Special Publication 102, Planning Scenario for a Major Earthquake on the San Jacinto Fault Zone in the San Bernardino Area

5. Geotechnical Professionals Inc. (GPI), 2019 Planning-Level Preliminary Geotechnical Investigation, Proposed Olive Grove Business Park, North Side of Baseline Road, ¼ mile East of N. Ayala Drive, Rialto, California, GPI Project No. 2963.I, dated October 2, 2019

6. United States Geological Survey (USGS), 1985, Miscellaneous Field Studies Map, Contour Map Showing Minimum Depth to Groundwater, Upper Santa Ana River Valley, California, 1973-1979.

7. United States Geological Survey (USGS), 1991, U.S. Geological Survey Bulletin 1898, Liquefaction Susceptibility in the San Bernardino Valley and Vicinity, Southern California-A Regional Evaluation.

8. United States Geological Survey (USGS), website accessed 2021, Areas of Land Subsidence in California website, https://ca.water.usgs.gov/land_subsidence/california subsidence-areas.html

APPENDIX G

GREENHOUSE GAS EMISSIONS ASSESSMENT

Greenhouse Gas Emissions Assessment
Olive Avenue Development
City of Rialto, California

Prepared by:

Kimley-Horn and Associates, Inc.
1100 W. Town & Country Road, Suite 700
Orange, California 92868
Contact: Mr. Ace Malisos
714.939.1030

July 2021

TABLE OF CONTENTS

1 INTRODUCTION
1.1 Project Location 1
1.2 Project Description 1

2 ENVIRONMENTAL SETTING
2.1 Greenhouse Gases and Climate Change 6

3 REGULATORY SETTING
3.1 Federal 8
3.2 State of California 9
3.3 Regional 16
3.4 Local 17

4 SIGNIFICANCE CRITERIA AND METHODOLOGY
4.1 Thresholds and Significant Criteria 19
4.2 Methodology 20

5 POTENTIAL GREENHOUSE GAS IMPACTS AND MITIGATION
5.1 Greenhouse Gas Emissions 22
5.2 Greenhouse Gas Reduction Plan Compliance 23
5.3 Cumulative Setting, Impacts, and Mitigation Measures 30

6 REFERENCES
References 32

TABLES
Table 1 Building Summary 2
Table 2 Description of Greenhouse Gases 7
Table 3 Construction-Related Greenhouse Gas Emissions 22
Table 4 Project Greenhouse Gas Emissions 23
Table 5 San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency 24
Table 6 Regional Transportation Plan/Sustainable Communities Strategy Consistency 26
Table 7 Project Consistency with Applicable CARB Scoping Plan Measures 27

EXHIBITS
Exhibit 1 Regional Location Map 3
Exhibit 2 Project Vicinity Map 4
Exhibit 3 Conceptual Site Plan 5

APPENDIX
Appendix A: Greenhouse Gas Emissions Data

LIST OF ABBREVIATED TERMS

AB	Assembly Bill
CARB	California Air Resource Board
CCR	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CALGreen Code	California Green Building Standards Code
CPUC	California Public Utilities Commission
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CFC	Chlorofluorocarbon
CPP	Clean Power Plan
CCSP	Climate Change Scoping Plan
cy	cubic yard
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
FR	Federal Register
GHG	greenhouse gas
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
LCFS	Low Carbon Fuel Standard
CH_4	Methane
$MMTCO_2e$	million metric tons of carbon dioxide equivalent
$MTCO_2e$	million tons of carbon dioxide equivalent
NHTSA	National Highway Traffic Safety Administration
NF_3	nitrogen trifluoride
N_2O	nitrous oxide
PFC	Perfluorocarbon
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Government
Sf	square foot
SF_6	sulfur hexafluoride
TAC	toxic air contaminants

1 INTRODUCTION

This report documents the results of a Greenhouse Gas (GHG) Emissions Assessment completed for the Olive Avenue Development (Project). The purpose of this GHG Emissions Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project site is located north of Baseline Road and east of Fitzgerald Avenue in the City of Rialto, in San Bernardino County. The project site is located southeast of Rialto Municipal Airport and south of Jerry Eaves Park. The project site is currently vacant and is bounded by Jerry Eaves Public Park to the north, vacant land and single-family residential uses to the east, West Baseline Road and single-family residential uses to the south, and vacant land and industrial uses to the west. The 31.6-acre site is located approximately one-mile south the Foothill Freeway (SR-210), Seven miles east of Interstate 15 (I-15), One mile north of Route 66 (RTE-66), and Five miles west of San Bernardino Freeway (SR-215); refer to Exhibit 1: Regional Location Map and Exhibit 2: Project Vicinity Map**.**

1.2 Project Description

The Project is proposing to develop an existing vacant property (location as referenced above) that would include the construction of a campus oriented industrial project with two primary, divisible, buildings consisting of approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,741 square feet of warehouse space for a total of 679,607 square feet on approximately 31.08 net acres. The Owner is proposing to split the existing property (referenced as Assessor Parcel No. (APN) 0264-213-18) from one large lot into two lots to allow for each of the two proposed buildings to each have their own legal parcel.

As shown in Exhibit 3: Conceptual Site Plan, Building 1 (west building) and Building 2 (east building) have been architecturally designed to allow for multiple units in various increments based on tenant demand. Exhibit 3 shows that Building 1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings.

Existing General Plan Land Use and Zoning Designations

The Project site is zoned for Industrial Park land Use. Adjacent properties to the north are zoned for open space resources and open space recreation uses. Properties to the west are zoned for a specific site plan: Renaissance site. The properties to the south are zoned for residential and open space resources. Properties zoned for residential and Community commercial are due east of the Project site.

Warehouse Facility

The proposed Project consists of two warehouse buildings for a total of 679,390 square feet; refer to Table 1: Building Summary. Building “1” would include 425,148 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump. Building “2” would include 243,376 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump.

Table 1: Building Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump (sf)	Total Building (sf)	Parking			Landscaping (sf)
					Automobiles	Truck/Trailer Stalls	Loading Docks	
1	425,148	5,000	433	430,581	308	64	48	97,826
2	243,593	5,000	433	249,026	197	58	31	79,031

Notes: sf = square feet

Site Access

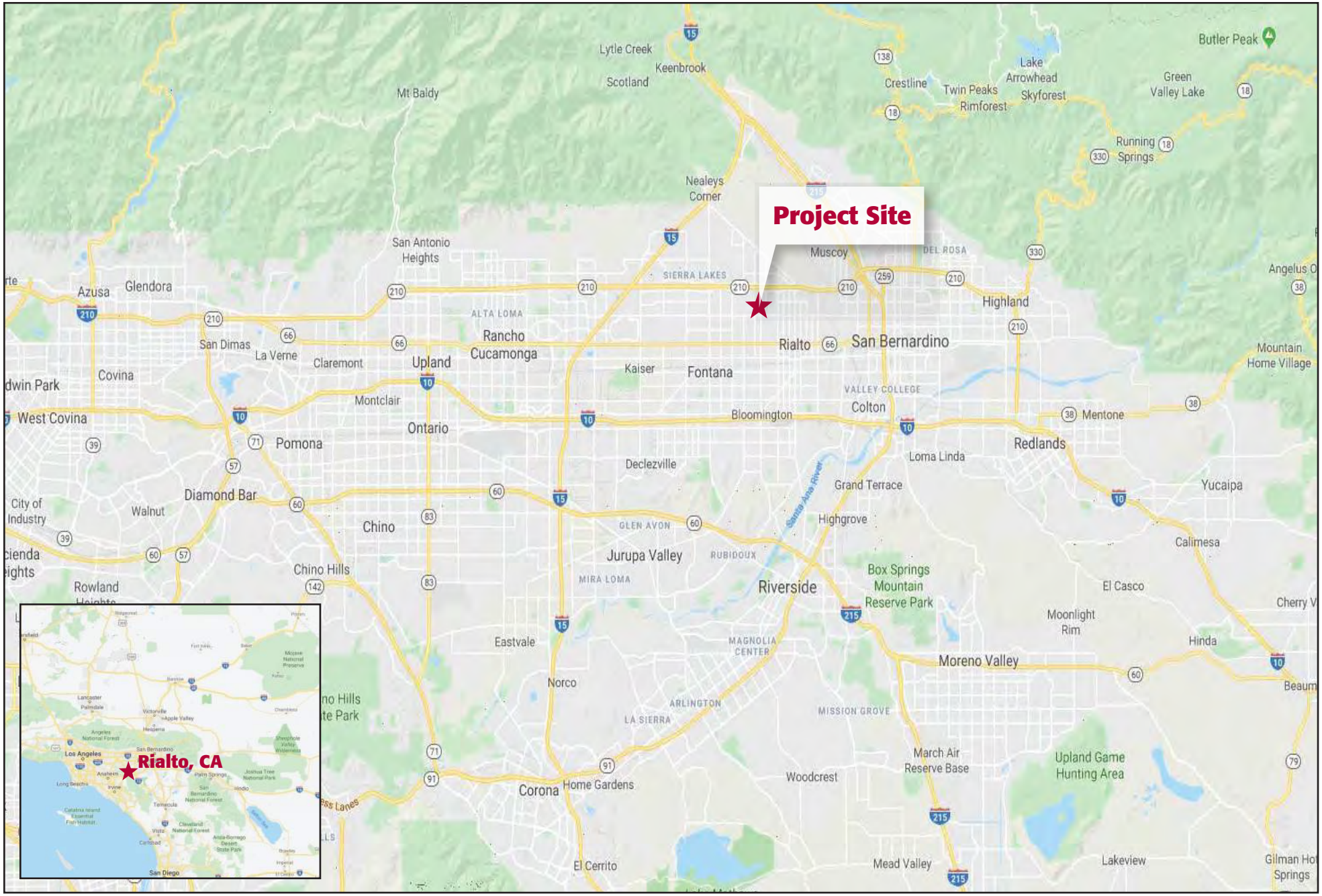
Vehicular access provisions for the project site would consist of three driveways on Baseline Road. Passenger vehicles would access the site via all three driveways. The center driveway would be signalized and would provide truck and passenger vehicle ingress/egress to the site. The eastern and western driveways would be right-in right-out and would be dedicated to passenger and emergency vehicles. Street improvements to Baseline Road may consist of the following: sidewalk, parkway landscaping, curb and gutter, median improvements, bike lanes, dry utility undergrounding, streetlights, fire hydrants, traffic signal equipment (center driveway intersection), rehabilitation of existing asphalt pavement, offsite utility connections, and signing and striping, as required by the City. Off-site improvements would include construction of a new signalized intersection at Idyllwild Avenue and Baseline Road to provide signalized access to the residences south of Baseline Road and construction of a new signalized intersection at the center of the Project along Baseline Road to allow for direct truck access into and out of the Project.

Parking

The Project provides 505 automobile parking stalls, exceeding the requirement of 414 automobile parking stalls. Additionally, 122 trailer parking spaces and 79 loading docks are provided.

Landscaping

Landscaping is required by City code to cover 10% of each lot and based on the proposed Project would cover approximately 12.27% (97,826 square feet) on Parcel 1 and 14.17% (79,031 square feet) on Parcel 2 of the site. Landscaping would be installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 18.61.250 and Section 18.61.270 which specify landscape design guidelines for industrial districts.



Source: Google Maps, 2019

Exhibit 1: Regional Location Map
Olive Avenue Development
Rialto, CA

Not to scale

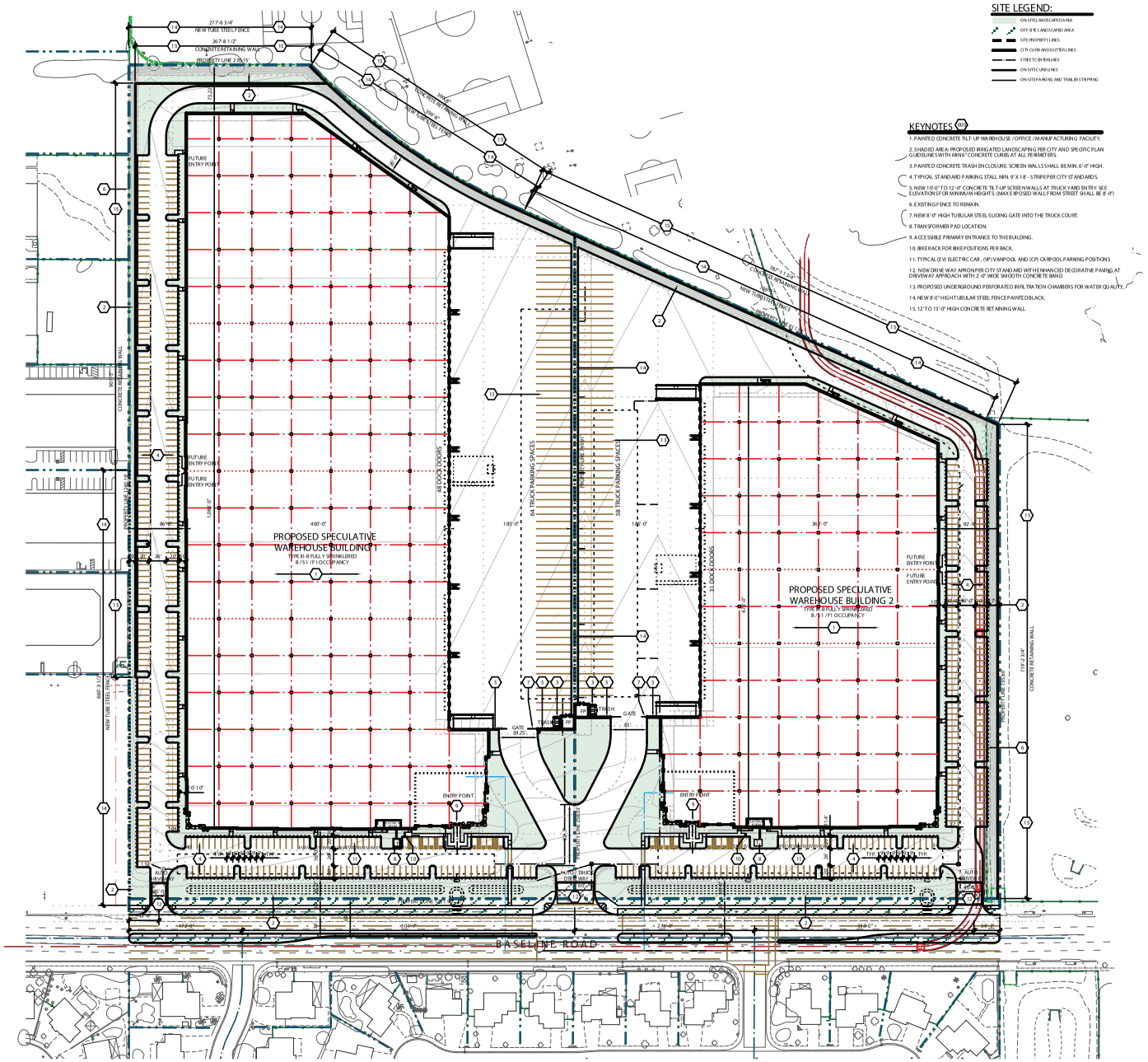
Kimley»Horn

Source: Google Earth, 2019

Exhibit 2 : Project Vicinity Map
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn



Source: RGA, Office of Architectural Design, Inc.

Exhibit 3: Conceptual Site Plan
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn

2 ENVIRONMENTAL SETTING

2.1 Greenhouse Gases and Climate Change

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO_2 is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO_2 emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO_2 emissions remains stored in the atmosphere[1]. Table 2: Description of Greenhouse Gases describes the primary GHGs attributed to global climate change, including their physical properties.

[1] Intergovernmental Panel on Climate Change, *Carbon and Other Biogeochemical Cycles. In: Climate Change 2013: The Physical Science Basis*, *Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. http://www.climatechange2013.org/ images/report/WG1AR5_ALL_FINAL.pdf.

Table 2: Description of Greenhouse Gases

Greenhouse Gas	Description
Carbon Dioxide (CO_2)	CO_2 is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO_2 is variable because it is readily exchanged in the atmosphere. CO_2 is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N_2O)	N_2O is largely attributable to agricultural practices and soil management. Primary human-related sources of N_2O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N_2O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 120 years. The Global Warming Potential of N_2O is 298.
Methane (CH_4)	CH_4, a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, about 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH_4 include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH_4 is about 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF_6)	SF_6 is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF_6 is 23,900.
Hydrochlorofluorocarbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF_3)	NF_3 was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.

Source: Compiled from U.S. EPA, *Overview of Greenhouse Gases*, April 11, 2018 (https://www.epa.gov/ghgemissions/overview-greenhouse-gases); U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018; Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007; National Research Council, Advancing the Science of Climate Change, 2010; U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, April 2010.

3 REGULATORY SETTING

3.1 Federal

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

U.S. Environmental Protection Agency Endangerment Finding

The U.S. Environmental Protection Agency (EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, the EPA finalized an endangerment finding in December 2009. Based on scientific evidence it found that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6) constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the EPA's assessment of the scientific evidence that form the basis for the EPA's regulatory actions.

Federal Vehicle Standards

In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks. It should be noted that the U.S. EPA is currently proposing to freeze the vehicle fuel efficiency standards at their planned 2020 level (37 mpg), canceling any future strengthening (currently 54.5 mpg by 2026).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program.

In 2018, the President and the U.S. EPA stated their intent to halt various federal regulatory activities to reduce GHG emission, including the phase two program. California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures and have committed to cooperating with other countries to implement global climate change initiatives. On September 27, 2019, the U.S. EPA and the NHTSA published the “Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program.” (84 Fed. Reg. 51,310 (Sept. 27, 2019.) The Part One Rule revokes California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the U.S. EPA and NHTSA finalized rulemaking for SAFE Part Two sets CO2 emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021-2026.

3.2 State of California

California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California’s contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO_2 equivalents (CO_2e) in the world and produced 459 million gross metric tons of CO_2e in 2013.

In the State, the transportation sector is the largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark Assembly Bill (AB) 32, *California Global Warming Solutions Act of 2006*, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major provisions of the legislation.

Assembly Bill 32 (California Global Warming Solutions Act of 2006)

AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

California Air Resource Board Scoping Plan

CARB adopted the Scoping Plan to achieve the goals of AB 32. The Scoping Plan establishes an overall framework for the measures that would be adopted to reduce California's GHG emissions. CARB determined that achieving the 1990 emissions level would require a reduction of GHG emissions of approximately 29 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as "business-as-usual")[2]. The Scoping Plan evaluates opportunities for sector-specific reductions, integrates early actions and additional GHG reduction measures by both CARB and the State's Climate Action Team, identifies additional measures to be pursued as regulations, and outlines the adopted role of a cap-and-trade program[3]. Additional development of these measures and adoption of the appropriate regulations occurred through the end of 2013. Key elements of the Scoping Plan include:

- Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent by 2020.
- Developing a California cap-and-trade program that links with other programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions (adopted in 2011).
- Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets (several sustainable community strategies have been adopted).

[2] CARB defines business-as-usual (BAU) in its Scoping Plan as emissions levels that would occur if California continued to grow and add new GHG emissions but did not adopt any measures to reduce emissions. Projections for each emission-generating sector were compiled and used to estimate emissions for 2020 based on 2002–2004 emissions intensities. Under CARB's definition of BAU, new growth is assumed to have the same carbon intensities as was typical from 2002 through 2004.

[3] The Climate Action Team, led by the secretary of the California Environmental Protection Agency, is a group of State agency secretaries and heads of agencies, boards, and departments. Team members work to coordinate statewide efforts to implement global warming emissions reduction programs and the State's Climate Adaptation Strategy.

- Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, heavy-duty truck measures, the Low Carbon Fuel Standard (amendments to the Pavley Standard adopted 2009; Advanced Clean Car standard adopted 2012), goods movement measures, and the Low Carbon Fuel Standard (adopted 2009).
- Creating targeted fees, including a public goods charge on water use, fees on gasses with high global warming potential, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.
- The California Sustainable Freight Action Plan was developed in 2016 and provides a vision for California's transition to a more efficient, more economically competitive, and less polluting freight transport system. This transition of California's freight transport system is essential to supporting the State's economic development in coming decades while reducing pollution.
- CARB's Mobile Source Strategy demonstrates how the State can simultaneously meet air quality standards, achieve GHG emission reduction targets, decrease health risk from transportation emissions, and reduce petroleum consumption over the next fifteen years. The mobile Source Strategy includes increasing ZEV buses and trucks.

In 2012, CARB released revised estimates of the expected 2020 emissions reductions. The revised analysis relied on emissions projections updated in light of current economic forecasts that accounted for the economic downturn since 2008, reduction measures already approved and put in place relating to future fuel and energy demand, and other factors. This update reduced the projected 2020 emissions from 596 million metric tons of CO_2e ($MMTCO_2e$) to 545 $MMTCO_2e$. The reduction in forecasted 2020 emissions means that the revised business-as-usual reduction necessary to achieve AB 32's goal of reaching 1990 levels by 2020 is now 21.7 percent, down from 29 percent. CARB also provided a lower 2020 inventory forecast that incorporated State-led GHG emissions reduction measures already in place. When this lower forecast is considered, the necessary reduction from business-as-usual needed to achieve the goals of AB 32 is approximately 16 percent.

CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes the most recent science related to climate change, including anticipated impacts to California and the levels of GHG emissions reductions necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32.

In 2016, the Legislature passed Senate Bill (SB) 32, which codifies a 2030 GHG emissions reduction target of 40 percent below 1990 levels. With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017 CARB adopted a second update to the Scoping Plan[4]. The 2017 Scoping Plan details how the State will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017 Scoping plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and, support the Clean Power Plan and other Federal actions.

[4] California Air Resources Board, *California's 2017 Climate Change Scoping Plan,* https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf. Accessed May 9, 2018.

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit)

Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008)

Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards)

AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO_2e emissions and 75 percent fewer smog-forming emissions.

SB 1368 (Emission Performance Standards)

SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the State. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO_2 per megawatt-hour.

SB 1078 and SBX1-2 (Renewable Electricity Standards)

SB 1078 requires California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 changed the due date to 2010 instead of 2017. On November 17, 2008, Governor Arnold Schwarzenegger signed Executive Order S-14-08, which established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the State's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SBX1-2, which codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015)

Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 25 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

AB 398 (Market-Based Compliance Mechanisms)

Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air contaminants and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

SB 150 (Regional Transportation Plans)

Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e. 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

SB 100 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases)

Signed into Law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the tone for the State and guide the actions of state agencies.

Executive Order S-3-05. Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07. Issued on January 18, 2007, Executive Order S 01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. CARB adopted the LCFS on April 23, 2009.

Executive Order S-13-08. Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order S-14-08. Issued on November 17, 2008, Executive Order S-14-08 expands the State's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09. Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California's RPS to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15. Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO_2e (MMTCO2e). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the State's climate adaptation plan to be updated every three years and for the State to continue its climate change research program, among other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

Executive Order B-55-18. Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant state agencies to develop a framework for implementing this goal. It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires state agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

Executive Order N-79-20. Signed in September 2020, Executive Order N-79-20 establishes as a goal that where feasible, all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035. The executive order sets a similar goal requiring that all medium and heavy-duty vehicles will be zero-emission by 2045 where feasible. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new zero emission vehicles (ZEVs) "towards the target of 100 percent." The executive order directs the California Environmental Protection Agency, the California Geologic Energy Management Division (CalGEM), and the California Natural Resources Agency to transition and repurpose oil production facilities with a goal toward meeting carbon neutrality by 2045. Executive Order N-79-20 builds upon the CARB Advanced Clean Trucks regulation, which was adopted by CARB in July 2020.

California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

Title 20 Appliance Efficiency Regulations. The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

Title 24 Building Energy Efficiency Standards. California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6), was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2016 Building Energy Efficiency Standards approved on January 19, 2016 went into effect on January 1, 2017. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018 and took effect on January 1, 2020. Under the 2019 standards, homes will use about 53 percent less energy and nonresidential buildings will use about 30 percent less energy than buildings under the 2016 standards.

Title 24 California Green Building Standards Code. The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as the CALGreen Code, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and commercial buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code went into effect January 1, 2017. Updates to the 2016 CALGreen Code took effect on January 1, 2020 (2019 CALGreen). The 2019 CALGreen standards will continue to improve upon the existing standards for new construction of, and additions and alterations to, residential and nonresidential buildings.

CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.

- Company and Fleet Reporting: Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

3.3 Regional

South Coast Air Quality Management District Thresholds

The South Coast Air Quality Management District (SCAQMD) formed a GHG California Environmental Quality Act (CEQA) Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. As of the last Working Group meeting (Meeting 15) held in September 2010, the SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency.

With the tiered approach, the Project is compared with the requirements of each tier sequentially and would not result in a significant impact if it complies with any tier. Tier 1 excludes projects that are specifically exempt from SB 97 from resulting in a significant impact. Tier 2 excludes projects that are consistent with a GHG reduction plan that has a certified final CEQA document and complies with AB 32 GHG reduction goals. Tier 3 excludes projects with annual emissions lower than a screening threshold. For all industrial projects, the SCAQMD has proposed a screening threshold of 10,000 metric tons of CO_2e ($MTCO_2e$) per year. During Working Group Meeting #7 it was explained that this threshold was derived using a 90 percent capture rate of a large sampling of industrial facilities. During Meeting #8, the Working Group defined industrial uses as production, manufacturing, and fabrication activities or storage and distribution (e.g., warehouse, transfer facility, etc.). SCAQMD concluded that projects with emissions less than the screening threshold would not result in a significant cumulative impact.

As the project involves the construction of a new warehouse, the 10,000 $MTCO_2e$ per year industrial screening threshold has been selected as the significance threshold, as it is most applicable to the proposed project.

Southern California Association of Governments

On September 3, 2020, the Southern California Association of Governments (SCAG) Regional Council adopted the 2020-2045 *Regional Transportation Plan/ Sustainable Communities Strategy* (RTP/SCS). The RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The strategy was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The RTP/SCS is a long-range vision plan that balances future mobility and housing needs with economic, environmental, and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions.

San Bernardino County Regional Greenhouse Gas Reduction Plan

In response to statewide GHG reduction initiatives, the San Bernardino Associated Governments (formerly SANBAG, now known as San Bernardino Council of Governments or SBCOG), cooperated to compile an inventory of GHG emissions and an evaluation of reduction measures to be adopted by the cities partnering within SBCOG. Reduction measures in the GHG Reduction Plan (GHGRP) are targeting GHG goals for the year 2020. Several of the measures and policies mentioned in the GHGRP for the City of Rialto are from the RGP. The policies listed in the GHGRP range from broadly supporting energy efficiency and sustainability to policies closely tied to specific GHG reduction measures. Application of these policies is expected to reduce local GHGs by an estimated 387,998 $MTCO_2e$ from "business as usual" levels in 2020. This would equate to a 28.0 percent reduction in GHGs from the 2008 levels of 1,238,926 $MTCO_2e$ annually.

3.4 Local

City of Rialto General Plan

The City of Rialto General Plan (RGP) is a roadmap that encompasses the hopes, aspirations, values and dreams of the community. The RGP does not mention specific standalone air quality goals and policies for the City. Instead, the RGP has goals and policies to improve air quality through transportation infrastructure. Since there are limited Project-relevant policies specific to air quality, related policies are mentioned in this section. Where inconsistencies exist, if any, they are addressed in the respective impact analysis below. RGP policies that directly address reducing and avoiding natural resources impacts include the following:

Goal 2-30: Incorporate green building and other sustainable building practices into development projects.

Policy 2.30.1: Explore and adopt the use of green building standards and Leadership in Energy and Environmental Design (LEED) or similar in both private and public projects.

Policy 2-30.2: Promote sustainable building practices that go beyond the requirements of Title 24 of the California Administrative Code, and encourage energy-efficient design elements, as appropriate.

Policy 2-30.3: Support sustainable building practices that integrate building materials and methods that promote environmental quality, economic vitality, and social benefit through the design, construction, and operation of the built environment.

Goal 2-31: Conserve energy resources.

Policy 2-31.1: Require the incorporation of energy conservation features into the design of all new construction and site development activities.

Goal 2-35: Reduce air pollution emissions from both mobile and stationary sources in the City.

Policy 2-35.2: Require that new development projects incorporate design features that encourage ridesharing, transit use, park and ride facilities, and bicycle and pedestrian circulation.

Policy 2-35.3: Establish a balanced land use pattern, and facilitate developments that provide jobs for City residents in order to reduce vehicle trips citywide.

Policy 2-35.4: Require new development and significant redevelopment proposals to incorporate sufficient design and operational controls to prevent release of noxious odors beyond the limits of the development site.

Goal 2-37: Expand public awareness regarding air pollution sources and pollutant reduction initiatives.

Policy 2-37.1: Encourage and publicly recognize innovative approaches that improve air quality.

Policy 2-37.2: Encourage the participation of environmental groups, the business community, civic groups, special interest groups, and the public in the formulation and implementation of programs that effectively reduce air pollution.

Policy 2-37.3: Provide public education to encourage local consumers to choose the cleanest paints and other non-pollutant consumer products.

Goal 2-38: Mitigate against climate change.

Policy 2-38.1: Consult with State agencies, SCAG, and the San Bernardino Council of Governments (SBCOG) to implement AB 32 and SB 375 by utilizing incentives to facilitate infill and transit-oriented development.

Policy 2-38.2: Encourage development of transit-oriented and infill development, and encourage a mix of uses that foster walking and alternative transportation in Downtown and along Foothill Boulevard.

Policy 2-38.3: Provide enhanced bicycling and walking infrastructure, and support public transit, including public bus service, the Metrolink, and the potential for Bus Rapid Transit (BRT).

Policy 2-38.4: The City shall participate in the San Bernardino Regional Greenhouse Inventory and Reduction Plan.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 CEQA Thresholds and Significance Criteria

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a project normally would have a significant effect on the environment if it would:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, based on any applicable threshold of significance; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

Addressing GHG emissions generation impacts requires an agency to determine what constitutes a significant impact. The amendments to the CEQA Guidelines specifically allow lead agencies to determine thresholds of significance that illustrate the extent of an impact and are a basis from which to apply mitigation measures. This means that each agency is left to determine whether a project's GHG emissions will have a "significant" impact on the environment. The guidelines direct that agencies are to use "careful judgment" and "make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" the project's GHG emissions[5].

South Coast Air Quality Management Thresholds

The SCAQMD has not announced when staff is expecting to present a finalized version of its GHG thresholds to the governing board. On September 28, 2010, the SCAQMD recommended an interim screening level numeric "bright-line" threshold of 10,000 metric tons per year of CO_2e for industrial land uses. During Meeting #8, the Working Group defined industrial uses as production, manufacturing, and fabrication activities or storage and distribution (e.g., warehouse, transfer facility, etc.). These efficiency-based thresholds were developed as part of the SCAQMD GHG CEQA Significance Threshold Working Group. This working group was formed to assist SCAQMD's efforts to develop a GHG significance threshold and is composed of a wide variety of stakeholders including the State Office of Planning and Research, CARB, the Attorney General's Office, a variety of city and county planning departments in the SCAB, various utilities such as sanitation and power companies throughout the SCAB, industry groups, and environmental and professional organizations. The numeric "bright line" was developed to be consistent with CEQA requirements for developing significance thresholds, are supported by substantial evidence, and provides guidance to CEQA practitioners in determining whether GHG emissions from a proposed project are significant. Additionally, the SCAQMD GHG Significance Threshold Stakeholder Working Group has specified that a warehouse is considered to be an industrial project.[6] Furthermore, the Working Group indicated that the 10,000 $MTCO_2e$ per year threshold applies to both emissions from construction and operational phases plus indirect emissions (electricity, water use, etc.).

The City of Rialto has not adopted project-specific significance thresholds. As the Project involves the construction of new warehouse buildings, the 10,000 $MTCO_2e$ per year industrial screening threshold has been selected as the significance threshold, as it is most applicable to the proposed Project. This threshold is selected because the proposed Project is analogous to an industrial use much more closely than any

[5] 14 California Code of Regulations, Section 15064.4a

[6] South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #8*, 2009.

other land use such as commercial or residential in terms of its expected operating characteristics. Typical industrial zoned areas include storage facilities, warehouses, plants, and airports, while commercial land uses are generally designated as businesses that have some kind of interaction with the public and typically include offices, retail stores, hotels, or restaurants. Additionally, the SCAQMD GHG Significance Threshold Stakeholder Working Group has specified that a warehouse is considered to be an industrial project.[7] The 10,000 $MTCO_2e$ per year threshold is used in addition to the qualitative thresholds of significance set forth below from Section VII of Appendix G to the CEQA Guidelines.

4.2 Methodology

Global climate change is, by definition, a cumulative impact of GHG emissions. Therefore, there is no project-level analysis. The baseline against which to compare potential impacts of the project includes the natural and anthropogenic drivers of global climate change, including world-wide GHG emissions from human activities which almost doubled between 1970 and 2010 from approximately 27 gigatonnes (Gt) of CO_2/year to nearly 49 $GtCO_2$/year.[8] As such, the geographic extent of climate change and GHG emissions' cumulative impact discussion is worldwide.

The project's construction and operational emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod). Details of the modeling assumptions and emission factors are provided in Appendix A: Greenhouse Gas Emissions Data. For construction, CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. GHG emissions during construction were forecasted based on the proposed construction schedule[9] and applying the mobile-source and fugitive dust emissions factors derived from CalEEMod. The project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. The project's operational-related GHG emissions would be generated by vehicular traffic, area sources (e.g., landscaping maintenance, consumer products), electrical generation, natural gas consumption, water supply and wastewater treatment, and solid waste.

It should be noted that CalEEMod emission factors incorporate compliance with some, but not all, applicable rules and regulations regarding energy efficiency and vehicle fuel efficiency, and other GHG reduction policies, as described in the CalEEMod User's Guide (November 2017). For example, RPS is not accounted for in the current version of CalEEMod. Reductions from RPS are addressed by revising the electricity emission intensity factor in CalEEMod to account for the utility complying with the 33 percent renewable mandate by 2020. As of 2018 (latest available), Southern California Edison's (SCE) power mix was at 36 percent renewable energy[10] and will be required to achieve the 60 percent renewable energy goal by 2030 established by SB 100. The CalEEMod carbon intensity factor was adjusted within the model to represent Southern California Edison's current emissions rate.

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7 South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #8*, 2009.

8 Intergovernmental Panel on Climate Change, *Climate Change 2014 Mitigation of Climate Change Working Group III Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2014.

9 Project construction was modeled to start in 2021 but would commence at a later date. Emissions in future years (i.e., due to a later construction start date or operational opening year) would be lower due to phased-in emissions standards, inspection and maintenance requirements, and fleet turnover). For emissions modeling purposes, conservatively analyzing the emissions using an earlier construction start date (i.e., 2021), provides for a worst-case analysis and full disclosure of potential air quality impacts.

10 California Energy Commission, *2018 Power Content Label*, July 2019.

Energy savings from water conservation resulting from the Green Building Code Standards for indoor water use and California Model Water Efficient Landscape Ordinance for outdoor water use are not included in CalEEMod. The Water Conservation Act of 2009 mandates a 20 percent reduction in urban water use that is implemented with these regulations. Benefits of the water conservation regulations are applied in the CalEEMod mitigation component. Adjustments were also made for Project design features that would reduce GHG emissions. The proposed Project would also be constructed in conformance with CALGreen, which requires high-efficiency water fixtures for indoor plumbing and water efficient irrigation systems.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 Greenhouse Gas Emissions

Threshold 5.1 Would the Project generate GHG emissions, either directly or indirectly, that could have a significant impact on the environment?

Short-Term Construction Greenhouse Gas Emissions

The Project would result in direct emissions of GHGs from construction. The approximate quantity of daily GHG emissions generated by construction equipment utilized to build the Project is depicted in Table 3: Construction-Related Greenhouse Gas Emissions.

Table 3: Construction-Related Greenhouse Gas Emissions

Category	$MTCO_2e$
Total Construction Emissions	2,161.06
30-Year Amortized Construction	72.03

Note: Construction model based on earliest possible construction date, January 2021. Delaying the start of construction would only likely reduce emissions as emission control technology will improve in the future.
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

As shown, the Project would result in the generation of approximately 2,161.06 $MTCO_2e$ over the course of construction. Construction GHG emissions are typically summed and amortized over the lifetime of the Project (assumed to be 30 years), then added to the operational emissions.[11] The amortized Project construction emissions would be 72.03 $MTCO_2e$ per year. Once construction is complete, the generation of these GHG emissions would cease.

Long-Term Operational Greenhouse Gas Emissions

Operational or long-term emissions occur over the life of the Project. GHG emissions would result from direct emissions such as Project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to, and wastewater from the Project, the emissions associated with solid waste generated from the Project, and any fugitive refrigerants from air conditioning or refrigerators.

Total GHG emissions associated with the Project are summarized in Table 4: Project Greenhouse Gas Emissions (Unmitigated). As shown in Table 4, the Project would generate approximately 7,486.01 $MTCO_2e$ annually from both construction and operations and the Project-related GHG emissions would not exceed the City's 10,000 $MTCO_2e$ per year threshold. Therefore, impacts would be less than significant.

[11] The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13,* August 26, 2009).

Table 4: Project Greenhouse Gas Emissions (Unmitigated)	
Emissions Source	**$MTCO_2e$ per Year**
Area	0.03
Energy	466.01
Mobile	5,952.28
Offroad	123.19
Waste	316.72
Water	555.66
Amortized Construction Emissions	72.03
Total Annual Project GHG Emissions	**7,486.01**
Threshold	10,000
Exceeds Threshold?	**No**
Note: Total values are from CalEEMod and may not add up 100% due to rounding.	
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.	

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.2 Greenhouse Gas Reduction Plan Compliance

Threshold 5.2 Would the Project conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing GHG emissions?

San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency

The City follows the 2014 GHGRP, which serves as a long-term vision for how the City, along with neighboring cities, can be more environmentally friendly and provides guidance for residents, City staff, and decision makers in the community on how to achieve future sustainability goals. The goals outlined in the GHGRP target GHG emissions in the year 2020. As shown in Table 5: San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency, the Project would not conflict with the goals in the GHGRP.

Table 5: San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency			
SBCOG Goals		**Compliance**	
GOAL 1:	Continue to support the regional bus system to provide intra-city service, inter-city service to major employment centers, and connect with other regional transportation transfer points.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 2:	Where needed and appropriate, require new development to provide transit facilities and accommodations, such as bus shelters and turnouts, consistent with regional agency plans and existing and anticipated demands.	Consistent:	The Project is not located immediately adjacent to an existing bus route. Therefore, the new development would not need to provide transit facilities and accommodations for buses.
GOAL 3:	Continue to implement traffic signal systems and intelligent transportation systems (ITS) components (not limited to signal coordination, highway advisory radio, closed circuit television, emergency vehicle signal preemption, etc.) along arterial roadways and sub-areas, in accordance to the City's traffic Signal System Conceptual Buildout Plan and in compliance with regional and appropriate ITS Architecture Master Plans	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 4:	Continue to develop non-motorized trails and bicycle routes as identified in the RGP; Parks, Recreation and Trails Element and the adopted Regional Non-Motorized Transportation Plan.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 5:	Require that all new development adjacent to non-motorized trails provide bicycle and pedestrian routes linked to those facilities.	Consistent:	The Project is not located adjacent to non-motorized trails. Therefore, the new development would not need to provide bicycle and pedestrian routes linked to those facilities. However, Mitigation Measure AQ-3, as required in the Project Air Quality Analysis (refer to Section 4.2) requires the implementation of a Transportation Demand Management (TDM) program to reduce single occupant vehicle trips and encourage transit.
GOAL 6:	Increase densities through transit-oriented development in the core of the city adjacent to the Metrolink and Omni-trans hub.	N/A:	This is not a project-specific policy. However, the Project is required to comply with the provisions of the California Building Energy Efficiency Standards and the Green Building Standards Code (CALGreen) and is located near existing development and transit.
GOAL 7:	Activity Centers should be linked with residential neighborhoods and be accessible by multiple modes of transportation.	N/A:	This is not a project-specific policy and is therefore not applicable.
Source: San Bernardino County Transportation Authority, *San Bernardino County Regional Greenhouse Gas Reduction Plan*, March 2014.			

Regional Transportation Plan/Sustainable Communities Strategy Consistency

The RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders in the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. SCAG's RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks for 2020 and 2035 as well as an overall GHG target for the Project region consistent with both the target date of AB 32 and the post-2020 GHG reduction goals of Executive Orders 5-03-05 and B-30-15.

The RTP/SCS contains over 4,000 transportation projects, ranging from highway improvements, railroad grade separations, bicycle lanes, new transit hubs and replacement bridges. These future investments were included in county plans developed by the six county transportation commissions and seek to reduce traffic bottlenecks, improve the efficiency of the region's network, and expand mobility choices for everyone. The RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding.

The plan accounts for operations and maintenance costs to ensure reliability, longevity, and cost effectiveness. The RTP/SCS is also supported by a combination of transportation and land use strategies that help the region achieve state GHG emissions reduction goals and Federal Clean Air Act (FCAA) requirements, preserve open space areas, improve public health and roadway safety, support our vital goods movement industry, and utilize resources more efficiently. GHG emissions resulting from development-related mobile sources are the most potent source of emissions, and therefore Project comparison to the RTP/SCS is an appropriate indicator of whether the Project would inhibit the post-2020 GHG reduction goals promulgated by the state. The Project's consistency with the RTP/SCS goals is analyzed in detail in Table 6: Regional Transportation Plan/Sustainable Communities Strategy Consistency.

Compliance with applicable State standards would ensure consistency with State and regional GHG reduction planning efforts. The goals stated in the RTP/SCS were used to determine consistency with the planning efforts previously stated. As shown in Table 6, the proposed Project would be consistent with the stated goals of the RTP/SCS. Therefore, the proposed Project would not result in any significant impacts or interfere with SCAG's ability to achieve the region's post-2020 mobile source GHG reduction targets.

Table 6: Regional Transportation Plan/Sustainable Communities Strategy Consistency

SCAG Goals		Compliance	
GOAL 1:	Encourage regional economic prosperity and global competitiveness.	N/A:	This is not a project-specific policy and is therefore not applicable. However, the Project is located on a vacant site and development of the site would contribute to regional economic prosperity.
GOAL 2:	Improve mobility, accessibility, reliability, and travel safety for people and goods.	Consistent:	Although this Project is not a transportation improvement project, the Project is located near existing transit routes on SR-210.
GOAL 3:	Enhance the preservation, security, and resilience of the regional transportation system.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 4:	Increase person and goods movement and travel choices within the transportation system.	N/A:	This is not a transportation improvement project and is therefore not applicable. However, the Project includes a warehouse use that would support goods movement.
GOAL 5:	Reduce greenhouse gas emissions and improve air quality.	Consistent:	The Project is located within an urban area in proximity to existing truck routes and freeways. Location of the Project within a developed area would reduce trip lengths, which would reduce GHG and air quality emissions.
GOAL 6:	Support healthy and equitable communities	Consistent:	With mitigation, the Project does not exceed regional thresholds, localized threshold, and is below the cancer risk threshold (refer to Air Quality Assessment and Health Risk Assessment prepared for this Project). Based on the Friant Ranch decision, projects that do not exceed the SCAQMD's LSTs would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and result in no criteria pollutant health impacts.
GOAL 7:	Adapt to a changing climate and support an integrated regional development pattern and transportation network.	N/A:	This is not a project-specific policy and is therefore not applicable.
GOAL 8:	Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	N/A:	This is not a project-specific policy and is therefore not applicable.
GOAL 9:	Encourage development of diverse housing types in areas that are supported by multiple transportation options.	N/A:	The Project involves development of a warehouse and does not include housing.
GOAL 10:	Promote conservation of natural and agricultural lands and restoration of habitats.	N/A:	This Project is located on previously disturbed land and is not located on agricultural lands.

Source: Southern California Association of Governments, *Connect SoCal (2020–2045 Regional Transportation Plan/Sustainable Communities Strategy)*, 2020.

California Air Resource Board Scoping Plan Consistency

The California State Legislature adopted AB 32 in 2006. AB 32 focuses on reducing GHGs (CO_2, CH_4, NO_X, HFCs, PFCs, and SF_6) to 1990 levels by the year 2020. Pursuant to the requirements in AB 32, CARB adopted the *Climate Change Scoping Plan* (CCSP) in 2008, which outlines actions recommended to obtain that goal. The CCSP provides a range of GHG reduction actions that include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as the cap-and-trade program, and an AB 32 implementation fee to fund the program. As shown in Table 7: Project Consistency with Applicable CARB Scoping Plan Measures, the Project is consistent with most of the strategies, while others are not applicable to the Project.

The 2017 CCSP Update identifies additional GHG reduction measures necessary to achieve the 2030 target. These measures build upon those identified in the first update to the CCSP in 2013. Although a number of these measures are currently established as policies and measures, some measures have not yet been formally proposed or adopted. It is expected that these actions to reduce GHG emissions will be adopted as required to achieve statewide GHG emissions targets. As such, impacts related to consistency with the Scoping Plan would be less than significant.

Table 7: Project Consistency with Applicable CARB Scoping Plan Measures

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
Transportation	California Cap-and-Trade Program Linked to Western Climate Initiative	Regulation for the California Cap on GHG Emissions and Market-Based Compliance Mechanism October 20, 2015 (CCR 95800)	**Consistent.** The Cap-and-Trade Program applies to large industrial sources such as power plants, refineries, and cement manufacturers. However, the regulation indirectly affects people who use the products and services produced by these industrial sources when increased cost of products or services (such as electricity and fuel) are transferred to the consumers. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period.
	California Light-Duty Vehicle GHG Standards	Pavley I 2005 Regulations to Control GHG Emissions from Motor Vehicles Pavley I 2005 Regulations to Control GHG Emissions from Motor Vehicles	**Consistent**. This measure applies to all new vehicles starting with model year 2012. The Project would not conflict with its implementation as it would apply to all new passenger vehicles purchased in California. Passenger vehicles, model year 2012 and later, associated with construction and operation of the Project would be required to comply with the Pavley emissions standards.
		2012 LEV III California GHG and Criteria Pollutant Exhaust and Evaporative Emission Standards	**Consistent.** The LEV III amendments provide reductions from new vehicles sold in California between 2017 and 2025. Passenger vehicles associated with the site would comply with LEV III standards.
	Low Carbon Fuel Standard	2009 readopted in 2015. Regulations to	**Consistent.** This measure applies to transportation fuels utilized by vehicles in California. The Project

Table 7: Project Consistency with Applicable CARB Scoping Plan Measures			
Scoping Plan Sector	**Scoping Plan Measure**	**Implementing Regulations**	**Project Consistency**
		Achieve GHG Emission Reductions Subarticle 7. Low Carbon Fuel Standard CCR 95480	would not conflict with implementation of this measure. Motor vehicles associated with construction and operation of the Project would utilize low carbon transportation fuels as required under this measure.
	Regional Transportation-Related GHG Targets.	SB 375. Cal. Public Resources Code §§ 21155, 21155.1, 21155.2, 21159.28	**Consistent**. The Project would provide development in the region that is consistent with the growth projections in the RTP/SCS.
	Goods Movement	Goods Movement Action Plan January 2007	**Not applicable**. The Project does not propose any changes to maritime, rail, or intermodal facilities or forms of transportation.
	Medium/Heavy-Duty Vehicle	2010 Amendments to the Truck and Bus Regulation, the Drayage Truck Regulation and the Tractor-Trailer GHG Regulation	**Consistent**. This measure applies to medium and heavy-duty vehicles that operate in the state. The Project would not conflict with implementation of this measure. Medium and heavy-duty vehicles associated with construction and operation of the Project would be required to comply with the requirements of this regulation.
	High Speed Rail	Funded under SB 862	**Not applicable**. This is a statewide measure that cannot be implemented by a project applicant or Lead Agency.
Electricity and Natural Gas	Energy Efficiency	Title 20 Appliance Efficiency Regulation	**Consistent.** The Project would not conflict with implementation of this measure. The Project would comply with the latest energy efficiency standards.
		Title 24 Part 6 Energy Efficiency Standards for Residential and Non-Residential Building	
		Title 24 Part 11 California Green Building Code Standards	
	Renewable Portfolio Standard/Renewable Electricity Standard.	2010 Regulation to Implement the Renewable Electricity Standard (33% 2020)	**Consistent**. The Project would obtain electricity from the electric utility, Southern California Edison (SCE). SCE obtained 32 percent of its power supply from renewable sources in 2017. Therefore, the utility would provide power when needed on site that is composed of a greater percentage of renewable sources.
	Million Solar Roofs Program	SB 350 Clean Energy and Pollution Reduction Act of 2015 (50% 2030)	
	Million Solar Roofs Program	Tax Incentive Program	**Consistent.** This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. The program provides incentives that are in place at the time of construction.
Water	Water	Title 24 Part 11 California Green Building Code Standards	**Consistent.** The Project would comply with the CalGreen standards, which requires a 20 percent reduction in indoor water use. The Project would also comply with the City's Water-Efficient Landscaping Regulations (Chapter 17.82 of the Rancho Cucamonga Municipal Code).
		SBX 7-7—The Water Conservation Act of 2009	
		Model Water Efficient Landscape Ordinance	

Table 7: Project Consistency with Applicable CARB Scoping Plan Measures

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
Green Buildings	Green Building Strategy	Title 24 Part 11 California Green Building Code Standards	**Consistent.** The State is to increase the use of green building practices. The Project would implement required green building strategies through existing regulation that requires the Project to comply with various CalGreen requirements. The Project includes sustainability design features that support the Green Building Strategy.
Industry	Industrial Emissions	2010 CARB Mandatory Reporting Regulation	**Not applicable.** The Mandatory Reporting Regulation requires facilities and entities with more than 10,000 $MTCO_2e$ of combustion and process emissions, all facilities belonging to certain industries, and all electric power entities to submit an annual GHG emissions data report directly to CARB. As shown above, total Project GHG emissions would not exceed 10,000 $MTCO_2e$. Therefore, this regulation would not apply.
Recycling and Waste Management	Recycling and Waste	Title 24 Part 11 California Green Building Code Standards AB 341 Statewide 75 Percent Diversion Goal	**Consistent.** The Project would not conflict with implementation of these measures. The Project is required to achieve the recycling mandates via compliance with the CALGreen code. The City has consistently achieved its state recycling mandates.
Forests	Sustainable Forests	Cap and Trade Offset Projects	**Not applicable.** The Project is in an area designated for urban uses. No forested lands exist on-site.
High Global Warming Potential	High Global Warming Potential Gases	CARB Refrigerant Management Program CCR 95380	**Not applicable**. The regulations are applicable to refrigerants used by large air conditioning systems and large commercial and industrial refrigerators and cold storage system. The Project would not conflict with the refrigerant management regulations adopted by CARB.
Agriculture	Agriculture	Cap and Trade Offset Projects for Livestock and Rice Cultivation	**Not applicable**. The Project site is designated for urban development. No grazing, feedlot, or other agricultural activities that generate manure occur currently exist on-site or are proposed to be implemented by the Project.

Source: California Air Resources Board, *California's 2017 Climate Change Scoping Plan*, November 2017 and CARB, *Climate Change Scoping Plan*, December 2008.

The Project is estimated to emit approximately 8,339.64 $MTCO_2e$ per year directly from on-site activities and indirectly from off-site motor vehicles, see Table 4. The GHG emissions caused by long-term operation of the Project would not exceed the SCAQMD's applicable threshold and impacts would be less than significant.

Regarding goals for 2050 under Executive Order S-3-05, at this time it is not possible to quantify the emissions savings from future regulatory measures, as they have not yet been developed; nevertheless, it can be anticipated that operation of the Project would comply with all applicable measures are enacted that state lawmakers decide would lead to an 80 percent reduction below 1990 levels by 2050.

The majority of the GHG reductions from the Scoping Plan would result from continuation of the Cap-and-Trade regulation. Assembly Bill 398 (2017) extends the state's Cap-and-Trade program through 2030 and the Scoping Plan provide a comprehensive plan for the state to achieve its GHG targets through a variety of regulations enacted at the state level. Additional reductions are achieved from electricity sector standards (i.e., utility providers to supply 60 percent renewable electricity by 2030 and 100 percent

renewable by 2045), doubling the energy efficiency savings at end uses, additional reductions from the LCFS, implementing the short-lived GHG strategy (e.g., hydrofluorocarbons), and implementing the Mobile Source Strategy and Sustainable Freight Action Plan.

Several of the State's plans and policies would contribute to a reduction in mobile source emissions from the Project. These include the CARB's Advanced Clean Truck Regulation, Executive Order N-79-20, CARB's Mobile Source Strategy, CARB's Sustainable Freight Action Plan, and CARB's Emissions Reduction Plan for Ports and Goods Movement. CARB's Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8.

Executive Order N-79-20 establishes the goal for all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035 and all medium and heavy-duty vehicles will be zero-emission by 2045. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new ZEVs "towards the target of 100 percent."

CARB's Mobile Source Strategy which include increasing ZEV buses and trucks and their Sustainable Freight Action Plan which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks. This Plan applies to all trucks accessing the Project site and may include existing trucks or new trucks that are part of the statewide goods movement sector. CARB's Emissions Reduction Plan for Ports and Goods Movement identifies measures to improve goods movement efficiencies such as advanced combustion strategies, friction reduction, waste heat recovery, and electrification of accessories. While these measures are not directly applicable to the Project, any commercial activity associated with goods movement would be required to comply with these measures as adopted. As such, the Project would not interfere with their implementation.

The Project would not obstruct or interfere with efforts to increase ZEVs or state efforts to improve system efficiency. The Project would also benefit from implementation of the State programs for ZEVs and goods movement efficiencies that reduce future GHG emissions from trucks.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.3 Cumulative Setting, Impacts, and Mitigation Measures

Cumulative Setting

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about 1 day), GHGs have much longer atmospheric lifetimes of 1 year to several thousand years that allow them to be dispersed around the globe.

Cumulative Impacts

It is generally the case that an individual project of this size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of project-related GHGs would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the Project as well as other cumulative related projects would also be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As shown in Table 5 and Table 6, the Project would not conflict with the GHGRP, or the RTP/SCS. As a result, the Project would not conflict with any GHG reduction plans including the CARB Scoping Plan. Therefore, the Project's cumulative contribution of GHG emissions would be less than significant and the Project's cumulative GHG impacts would also be less than cumulatively considerable.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

1. California Air Resources Board, *California's 2017 Climate Change Scoping Plan,* 2017.
2. City of Rialto, *City of Rialto General Plan*, 2010.
3. Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007.
4. Intergovernmental Panel on Climate Change, *Climate Change 2013: The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013.
5. Kimley-Horn, *Olive Grove Business Park Project Traffic Impact Study*, January 2021.
6. National Research Council, *Advancing the Science of Climate Change*, 2010.
7. RGA, Office of Architectural Design, *Schematic Design*, December 6, 2020.
8. San Bernardino County Transportation Authority, *San Bernardino County Regional Greenhouse Gas Reduction Plan*, March 2014.
9. State of California, *Code of Regulations Section 15065.5a*, 2018.
10. Southern California Association of Governments, *Connect SoCal, 2020 - 2045 Regional Transportation Plan/Sustainable Communities Strategy*, 2020.
11. South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, 2009.
12. U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018.
13. U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, 2010.
14. U.S. EPA, *Overview of Greenhouse Gases*, 2018.

Appendix A

Greenhouse Gas Emissions Data

Olive Grove Business Park

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.00	10,000.00	0
Unrefrigerated Warehouse-No Rail	669.61	1000sqft	15.37	669,607.00	0
Parking Lot	527.95	1000sqft	12.12	527,947.00	0
City Park	4.06	Acre	4.06	176,857.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Olive Grove Business Park - San Bernardino-South Coast County, Annual

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - warehouse buildings= 425,148 sf + 243,593 sf + fire pump building 866 sf, office space = 10,000 sf, landscape shown as city park =176857sf, parking/drive aisles/off site improvements =527,947 sf

Construction Phase - anticipated construction schedule, construction duration of 10 months. Construction, Paving, and Painting to occur concurrently

Trips and VMT -

Grading - 229,748 cubic yards of export

Architectural Coating - Rule 1113 - low VOC paint

Vehicle Trips - based on traffic study: 1,183 trips/669.607k = 1.766707934654207617303881231827, trip length based on Forecasting Metropolitan Commercial and Freight Travel, average truck trip length in SCAG is 24.11 miles, rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use Low VOC paint, Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - consistent with CA building code

Waste Mitigation -

Operational Off-Road Equipment - Assume 1 forklifts per building unit, total 7

Fleet Mix - fllet mix Based on Traffic Study trip generation table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00

tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	NumDays	500.00	100.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	87.00
tblFleetMix	HHD	0.06	0.28
tblFleetMix	LDA	0.55	0.24
tblFleetMix	LHD2	5.2670e-003	8.0000e-003
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	MaterialExported	0.00	229,748.00
tblLandUse	LandUseSquareFeet	0.00	10,000.00
tblLandUse	LandUseSquareFeet	669,610.00	669,607.00
tblLandUse	LandUseSquareFeet	527,950.00	527,947.00
tblLandUse	LandUseSquareFeet	176,853.60	176,857.00

Olive Grove Business Park - San Bernardino-South Coast County, Annual

tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
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tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25

tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47

tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003

tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004

tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10

tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17

tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003

tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18

tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003

tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.8230e-003
tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7300e-004	8.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8330e-003
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.67
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	8.94
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.59	1.41

tblVehicleEF	LHD2	0.54	0.22
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7100e-004	8.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8240e-003

tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004

tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	8.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85

tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003

tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
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tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004

tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12

tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
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tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20

tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
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tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
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tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
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tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
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tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
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tblVehicleEF	MH	0.12	0.07
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tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004

tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
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tblVehicleEF	MHD	1.08	2.32
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tblVehicleEF	MHD	4.3700e-004	2.0960e-003
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tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	4.1800e-004	2.0050e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
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tblVehicleEF	MHD	0.02	0.02

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tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	MHD	0.01	9.5620e-003
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tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	6.4700e-003
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tblVehicleEF	MHD	11.70	1.28
tblVehicleEF	MHD	3.6900e-004	1.7700e-003

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tblVehicleEF	MHD	3.5300e-004	1.6930e-003
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tblVehicleEF	MHD	2.8480e-003	9.1700e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
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tblVehicleEF	MHD	0.35	0.03
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tblVehicleEF	MHD	2.8480e-003	9.1700e-004
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tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	MHD	0.60	0.61
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.28
tblVehicleEF	MHD	5.3200e-004	2.5470e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	5.0900e-004	2.4370e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	6.4000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004

tblVehicleEF	MHD	0.05	0.13
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tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
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tblVehicleEF	OBUS	70.21	78.17
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tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28

tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	2.33
tblVehicleEF	OBUS	73.34	78.62
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	20.47
tblVehicleEF	OBUS	0.33	0.46
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003

tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.56
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	2.51
tblVehicleEF	OBUS	65.88	77.54
tblVehicleEF	OBUS	1,126.32	1,439.48

tblVehicleEF	OBUS	71.08	20.78
tblVehicleEF	OBUS	0.31	0.46
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.62
tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.4100e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13

tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03

tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59
tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003

tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50

tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80
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tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004

tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004

tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03

tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003

tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.77

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.2877	8.5539	5.1194	0.0231	1.2810	0.2039	1.4849	0.4521	0.1893	0.6414	0.0000	2,155.1881	2,155.1881	0.2348	0.0000	2,161.0587
Maximum	**2.2877**	**8.5539**	**5.1194**	**0.0231**	**1.2810**	**0.2039**	**1.4849**	**0.4521**	**0.1893**	**0.6414**	**0.0000**	**2,155.1881**	**2,155.1881**	**0.2348**	**0.0000**	**2,161.0587**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.2877	8.5538	5.1194	0.0231	0.9090	0.2039	1.1129	0.2949	0.1893	0.4842	0.0000	2,155.1876	2,155.1876	0.2348	0.0000	2,161.0581
Maximum	**2.2877**	**8.5538**	**5.1194**	**0.0231**	**0.9090**	**0.2039**	**1.1129**	**0.2949**	**0.1893**	**0.4842**	**0.0000**	**2,155.1876**	**2,155.1876**	**0.2348**	**0.0000**	**2,161.0581**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**29.04**	**0.00**	**25.05**	**34.77**	**0.00**	**24.51**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-4-2021	4-3-2021	3.2885	3.2885
2	4-4-2021	7-3-2021	3.1592	3.1592
3	7-4-2021	9-30-2021	3.0858	3.0858
		Highest	3.2885	3.2885

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8153	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Energy	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	505.0970	505.0970	0.0259	6.4300e-003	507.6595
Mobile	1.0988	15.3399	11.1938	0.0675	3.4658	0.2251	3.6909	0.9470	0.2150	1.1620	0.0000	6,616.7803	6,616.7803	0.4117	0.0000	6,627.0719
Offroad	0.1177	1.0730	1.0627	1.3900e-003		0.0762	0.0762		0.0701	0.0701	0.0000	122.2051	122.2051	0.0395	0.0000	123.1932
Waste						0.0000	0.0000		0.0000	0.0000	127.8397	0.0000	127.8397	7.5551	0.0000	316.7173
Water						0.0000	0.0000		0.0000	0.0000	49.1259	479.2730	528.3989	5.0729	0.1248	692.4048
Total	**4.0393**	**16.4814**	**12.3293**	**0.0693**	**3.4658**	**0.3065**	**3.7723**	**0.9470**	**0.2903**	**1.2373**	**176.9656**	**7,723.3852**	**7,900.3508**	**13.1052**	**0.1312**	**8,267.0784**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.6542	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Energy	5.2900e-003	0.0481	0.0404	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	463.7605	463.7605	0.0244	5.8000e-003	466.0971
Mobile	1.0243	13.8711	10.1905	0.0606	3.1044	0.2018	3.3062	0.8482	0.1928	1.0410	0.0000	5,943.0002	5,943.0002	0.3711	0.0000	5,952.2780
Offroad	0.1177	1.0730	1.0627	1.3900e-003		0.0762	0.0762		0.0701	0.0701	0.0000	122.2051	122.2051	0.0395	0.0000	123.1932
Waste						0.0000	0.0000		0.0000	0.0000	127.8397	0.0000	127.8397	7.5551	0.0000	316.7173
Water						0.0000	0.0000		0.0000	0.0000	39.3007	385.1481	424.4488	4.0584	0.0998	555.6620
Total	**3.8015**	**14.9924**	**11.3091**	**0.0623**	**3.1044**	**0.2817**	**3.3861**	**0.8482**	**0.2665**	**1.1148**	**167.1404**	**6,914.1436**	**7,081.2840**	**12.0486**	**0.1056**	**7,413.9793**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.89**	**9.03**	**8.28**	**10.09**	**10.43**	**8.09**	**10.24**	**10.43**	**8.18**	**9.90**	**5.55**	**10.48**	**10.37**	**8.06**	**19.48**	**10.32**

3.0 Construction Detail

Construction Phase

Olive Grove Business Park - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/29/2021	5	20	
2	Grading	Grading	1/30/2021	6/4/2021	5	90	
3	Building Construction	Building Construction	6/12/2021	10/29/2021	5	100	
4	Paving	Paving	7/1/2021	10/29/2021	5	87	
5	Architectural Coating	Architectural Coating	8/1/2021	10/29/2021	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 225

Acres of Paving: 12.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,019,411; Non-Residential Outdoor: 339,804; Striped Parking Area: 31,677 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	28,719.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	580.00	227.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	6.3000e-004	6.4100e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.6378	1.6378	5.0000e-005	0.0000	1.6390
Total	**8.3000e-004**	**6.3000e-004**	**6.4100e-003**	**2.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.6378**	**1.6378**	**5.0000e-005**	**0.0000**	**1.6390**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.0813**	**0.0204**	**0.1017**	**0.0447**	**0.0188**	**0.0635**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	6.3000e-004	6.4100e-003	2.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.6378	1.6378	5.0000e-005	0.0000	1.6390
Total	**8.3000e-004**	**6.3000e-004**	**6.4100e-003**	**2.0000e-005**	**1.8200e-003**	**1.0000e-005**	**1.8300e-003**	**4.9000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.6378**	**1.6378**	**5.0000e-005**	**0.0000**	**1.6390**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4033	0.0000	0.4033	0.1638	0.0000	0.1638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1886	2.0880	1.3895	2.7900e-003		0.0893	0.0893		0.0822	0.0822	0.0000	245.2274	245.2274	0.0793	0.0000	247.2102
Total	**0.1886**	**2.0880**	**1.3895**	**2.7900e-003**	**0.4033**	**0.0893**	**0.4926**	**0.1638**	**0.0822**	**0.2460**	**0.0000**	**245.2274**	**245.2274**	**0.0793**	**0.0000**	**247.2102**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0870	3.3534	0.5391	0.0110	0.2471	9.3200e-003	0.2565	0.0679	8.9200e-003	0.0768	0.0000	1,063.1194	1,063.1194	0.0598	0.0000	1,064.6145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.1300e-003	0.0321	9.0000e-005	9.8700e-003	6.0000e-005	9.9300e-003	2.6200e-003	6.0000e-005	2.6800e-003	0.0000	8.1891	8.1891	2.3000e-004	0.0000	8.1948
Total	**0.0911**	**3.3566**	**0.5711**	**0.0111**	**0.2570**	**9.3800e-003**	**0.2664**	**0.0705**	**8.9800e-003**	**0.0795**	**0.0000**	**1,071.3085**	**1,071.3085**	**0.0600**	**0.0000**	**1,072.8094**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1815	0.0000	0.1815	0.0737	0.0000	0.0737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1886	2.0880	1.3895	2.7900e-003		0.0893	0.0893		0.0822	0.0822	0.0000	245.2271	245.2271	0.0793	0.0000	247.2099
Total	**0.1886**	**2.0880**	**1.3895**	**2.7900e-003**	**0.1815**	**0.0893**	**0.2708**	**0.0737**	**0.0822**	**0.1559**	**0.0000**	**245.2271**	**245.2271**	**0.0793**	**0.0000**	**247.2099**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0870	3.3534	0.5391	0.0110	0.2304	9.3200e-003	0.2397	0.0638	8.9200e-003	0.0727	0.0000	1,063.1194	1,063.1194	0.0598	0.0000	1,064.6145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.1300e-003	0.0321	9.0000e-005	9.1000e-003	6.0000e-005	9.1600e-003	2.4300e-003	6.0000e-005	2.4900e-003	0.0000	8.1891	8.1891	2.3000e-004	0.0000	8.1948
Total	**0.0911**	**3.3566**	**0.5711**	**0.0111**	**0.2395**	**9.3800e-003**	**0.2489**	**0.0662**	**8.9800e-003**	**0.0752**	**0.0000**	**1,071.3085**	**1,071.3085**	**0.0600**	**0.0000**	**1,072.8094**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8186	115.8186	0.0279	0.0000	116.5172
Total	**0.0951**	**0.8716**	**0.8288**	**1.3500e-003**		**0.0479**	**0.0479**		**0.0451**	**0.0451**	**0.0000**	**115.8186**	**115.8186**	**0.0279**	**0.0000**	**116.5172**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0301	1.1042	0.2247	3.0100e-003	0.0716	1.9000e-003	0.0735	0.0207	1.8200e-003	0.0225	0.0000	288.2483	288.2483	0.0194	0.0000	288.7339
Worker	0.1335	0.1009	1.0333	2.9200e-003	0.3180	2.0700e-003	0.3201	0.0845	1.9100e-003	0.0864	0.0000	263.8711	263.8711	7.3900e-003	0.0000	264.0558
Total	**0.1636**	**1.2051**	**1.2580**	**5.9300e-003**	**0.3895**	**3.9700e-003**	**0.3935**	**0.1051**	**3.7300e-003**	**0.1088**	**0.0000**	**552.1195**	**552.1195**	**0.0268**	**0.0000**	**552.7896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8185	115.8185	0.0279	0.0000	116.5171
Total	**0.0951**	**0.8716**	**0.8288**	**1.3500e-003**		**0.0479**	**0.0479**		**0.0451**	**0.0451**	**0.0000**	**115.8185**	**115.8185**	**0.0279**	**0.0000**	**116.5171**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0301	1.1042	0.2247	3.0100e-003	0.0670	1.9000e-003	0.0689	0.0195	1.8200e-003	0.0214	0.0000	288.2483	288.2483	0.0194	0.0000	288.7339
Worker	0.1335	0.1009	1.0333	2.9200e-003	0.2932	2.0700e-003	0.2952	0.0784	1.9100e-003	0.0803	0.0000	263.8711	263.8711	7.3900e-003	0.0000	264.0558
Total	**0.1636**	**1.2051**	**1.2580**	**5.9300e-003**	**0.3602**	**3.9700e-003**	**0.3641**	**0.0979**	**3.7300e-003**	**0.1016**	**0.0000**	**552.1195**	**552.1195**	**0.0268**	**0.0000**	**552.7896**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	0.5620	0.6374	9.9000e-004		0.0295	0.0295		0.0271	0.0271	0.0000	87.1021	87.1021	0.0282	0.0000	87.8064
Paving	0.0159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0705**	**0.5620**	**0.6374**	**9.9000e-004**		**0.0295**	**0.0295**		**0.0271**	**0.0271**	**0.0000**	**87.1021**	**87.1021**	**0.0282**	**0.0000**	**87.8064**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-003	2.2700e-003	0.0233	7.0000e-005	7.1500e-003	5.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.9371	5.9371	1.7000e-004	0.0000	5.9413
Total	**3.0000e-003**	**2.2700e-003**	**0.0233**	**7.0000e-005**	**7.1500e-003**	**5.0000e-005**	**7.2000e-003**	**1.9000e-003**	**4.0000e-005**	**1.9400e-003**	**0.0000**	**5.9371**	**5.9371**	**1.7000e-004**	**0.0000**	**5.9413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	0.5620	0.6374	9.9000e-004		0.0295	0.0295		0.0271	0.0271	0.0000	87.1020	87.1020	0.0282	0.0000	87.8063
Paving	0.0159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0705**	**0.5620**	**0.6374**	**9.9000e-004**		**0.0295**	**0.0295**		**0.0271**	**0.0271**	**0.0000**	**87.1020**	**87.1020**	**0.0282**	**0.0000**	**87.8063**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-003	2.2700e-003	0.0233	7.0000e-005	6.6000e-003	5.0000e-005	6.6400e-003	1.7600e-003	4.0000e-005	1.8100e-003	0.0000	5.9371	5.9371	1.7000e-004	0.0000	5.9413
Total	**3.0000e-003**	**2.2700e-003**	**0.0233**	**7.0000e-005**	**6.6000e-003**	**5.0000e-005**	**6.6400e-003**	**1.7600e-003**	**4.0000e-005**	**1.8100e-003**	**0.0000**	**5.9371**	**5.9371**	**1.7000e-004**	**0.0000**	**5.9413**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0496	0.0591	1.0000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003	0.0000	8.2981	8.2981	5.7000e-004	0.0000	8.3123
Total	**1.6188**	**0.0496**	**0.0591**	**1.0000e-004**		**3.0600e-003**	**3.0600e-003**		**3.0600e-003**	**3.0600e-003**	**0.0000**	**8.2981**	**8.2981**	**5.7000e-004**	**0.0000**	**8.3123**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0174	0.0131	0.1343	3.8000e-004	0.0413	2.7000e-004	0.0416	0.0110	2.5000e-004	0.0112	0.0000	34.3033	34.3033	9.6000e-004	0.0000	34.3273
Total	**0.0174**	**0.0131**	**0.1343**	**3.8000e-004**	**0.0413**	**2.7000e-004**	**0.0416**	**0.0110**	**2.5000e-004**	**0.0112**	**0.0000**	**34.3033**	**34.3033**	**9.6000e-004**	**0.0000**	**34.3273**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0496	0.0591	1.0000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003	0.0000	8.2981	8.2981	5.7000e-004	0.0000	8.3123
Total	**1.6188**	**0.0496**	**0.0591**	**1.0000e-004**		**3.0600e-003**	**3.0600e-003**		**3.0600e-003**	**3.0600e-003**	**0.0000**	**8.2981**	**8.2981**	**5.7000e-004**	**0.0000**	**8.3123**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0174	0.0131	0.1343	3.8000e-004	0.0381	2.7000e-004	0.0384	0.0102	2.5000e-004	0.0104	0.0000	34.3033	34.3033	9.6000e-004	0.0000	34.3273
Total	**0.0174**	**0.0131**	**0.1343**	**3.8000e-004**	**0.0381**	**2.7000e-004**	**0.0384**	**0.0102**	**2.5000e-004**	**0.0104**	**0.0000**	**34.3033**	**34.3033**	**9.6000e-004**	**0.0000**	**34.3273**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0243	13.8711	10.1905	0.0606	3.1044	0.2018	3.3062	0.8482	0.1928	1.0410	0.0000	5,943.0002	5,943.0002	0.3711	0.0000	5,952.2780
Unmitigated	1.0988	15.3399	11.1938	0.0675	3.4658	0.2251	3.6909	0.9470	0.2150	1.1620	0.0000	6,616.7803	6,616.7803	0.4117	0.0000	6,627.0719

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,183.01	1,183.01	1183.01	8,631,226	7,731,294
Total	1,183.01	1,183.01	1,183.01	8,631,226	7,731,294

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.240542	0.037123	0.179649	0.119457	0.017229	0.008000	0.112000	0.280000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	411.3664	411.3664	0.0234	4.8400e-003	413.3917
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	430.7077	430.7077	0.0245	5.0600e-003	432.8282
NaturalGas Mitigated	5.2900e-003	0.0481	0.0404	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	52.3941	52.3941	1.0000e-003	9.6000e-004	52.7054
NaturalGas Unmitigated	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3893	74.3893	1.4300e-003	1.3600e-003	74.8313

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	34700	1.9000e-004	1.7000e-003	1.4300e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8517	1.8517	4.0000e-005	3.0000e-005	1.8627
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.3593e+006	7.3300e-003	0.0666	0.0560	4.0000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	72.5375	72.5375	1.3900e-003	1.3300e-003	72.9686
Total		**7.5200e-003**	**0.0683**	**0.0574**	**4.1000e-004**		**5.1900e-003**	**5.1900e-003**		**5.1900e-003**	**5.1900e-003**	**0.0000**	**74.3893**	**74.3893**	**1.4300e-003**	**1.3600e-003**	**74.8313**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24290	1.3000e-004	1.1900e-003	1.0000e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2962	1.2962	2.0000e-005	2.0000e-005	1.3039
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	957538	5.1600e-003	0.0469	0.0394	2.8000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	51.0979	51.0979	9.8000e-004	9.4000e-004	51.4015
Total		**5.2900e-003**	**0.0481**	**0.0404**	**2.9000e-004**		**3.6600e-003**	**3.6600e-003**		**3.6600e-003**	**3.6600e-003**	**0.0000**	**52.3941**	**52.3941**	**1.0000e-003**	**9.6000e-004**	**52.7054**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	95200	22.0418	1.2500e-003	2.6000e-004	22.1503
Parking Lot	184781	42.7828	2.4300e-003	5.0000e-004	42.9934
Unrefrigerated Warehouse-No Rail	1.58027e+006	365.8832	0.0208	4.3000e-003	367.6845
Total		**430.7078**	**0.0245**	**5.0600e-003**	**432.8282**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	85990	19.9094	1.1300e-003	2.3000e-004	20.0074
Parking Lot	184781	42.7828	2.4300e-003	5.0000e-004	42.9934
Unrefrigerated Warehouse-No Rail	1.50595e+006	348.6743	0.0198	4.1000e-003	350.3909
Total		**411.3664**	**0.0234**	**4.8300e-003**	**413.3917**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6542	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Unmitigated	2.8153	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3223					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4916					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Total	**2.8153**	**1.4000e-004**	**0.0154**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0298**	**0.0298**	**8.0000e-005**	**0.0000**	**0.0318**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4916					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Total	**2.6542**	**1.4000e-004**	**0.0154**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0298**	**0.0298**	**8.0000e-005**	**0.0000**	**0.0318**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	424.4488	4.0584	0.0998	555.6620
Unmitigated	528.3989	5.0729	0.1248	692.4048

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.83741	12.4434	7.1000e-004	1.5000e-004	12.5046
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	154.847 / 0	515.9556	5.0722	0.1246	679.9001
Total		**528.3989**	**5.0729**	**0.1248**	**692.4048**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.54233	11.6843	6.6000e-004	1.4000e-004	11.7418
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	123.878 / 0	412.7645	4.0578	0.0997	543.9201
Total		**424.4488**	**4.0584**	**0.0998**	**555.6619**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	127.8397	7.5551	0.0000	316.7173
Unmitigated	127.8397	7.5551	0.0000	316.7173

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.35	0.0711	4.2000e-003	0.0000	0.1760
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	629.43	127.7686	7.5509	0.0000	316.5413
Total		**127.8397**	**7.5551**	**0.0000**	**316.7173**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.35	0.0711	4.2000e-003	0.0000	0.1760
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	629.43	127.7686	7.5509	0.0000	316.5413
Total		**127.8397**	**7.5551**	**0.0000**	**316.7173**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	7	8.00	260	89	0.20	Electrical

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.1177	1.0730	1.0627	1.3900e-003		0.0762	0.0762		0.0701	0.0701	0.0000	122.2051	122.2051	0.0395	0.0000	123.1932
Total	**0.1177**	**1.0730**	**1.0627**	**1.3900e-003**		**0.0762**	**0.0762**		**0.0701**	**0.0701**	**0.0000**	**122.2051**	**122.2051**	**0.0395**	**0.0000**	**123.1932**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive Grove Business Park, Mitigated 2014 trucks or newer

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.00	10,000.00	0
Unrefrigerated Warehouse-No Rail	669.61	1000sqft	15.37	669,607.00	0
Parking Lot	527.95	1000sqft	12.12	527,947.00	0
City Park	4.06	Acre	4.06	176,857.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Annual

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - warehouse buildings= 425,148 sf + 243,593 sf + fire pump building 866 sf, office space = 10,000 sf, landscape shown as city park =176857sf, parking/drive aisles/off site improvements =527,947 sf

Construction Phase - anticipated construction schedule, construction duration of 10 months. Construction, Paving, and Painting to occur concurrently

Trips and VMT -

Grading - 229,748 cubic yards of export

Architectural Coating - Rule 1113 - low VOC paint

Vehicle Trips - based on traffic study: 1,183 trips/669.607k = 1.766707934654207617303881231827, trip length based on Forecasting Metropolitan Commercial and Freight Travel, average truck trip length in SCAG is 24.11 miles, rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Vehicle Emission Factors - EMFAC 2017 - San Bernardino SC and SAFE Rule, Mitigation requires use of 2014 trucks or newer

Energy Use -

Construction Off-road Equipment Mitigation - Mitigation requires Tier 4 equipment during grading phase, Rule 403

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use Low VOC paint, Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - consistent with CA building code

Waste Mitigation -

Operational Off-Road Equipment - Assume 1 forklifts per building unit, total 7

Fleet Mix - fllet mix Based on Traffic Study trip generation table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Annual

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	NumDays	500.00	100.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	87.00
tblFleetMix	HHD	0.06	0.28
tblFleetMix	LDA	0.55	0.24

tblFleetMix	LHD2	5.2670e-003	8.0000e-003
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	MaterialExported	0.00	229,748.00
tblLandUse	LandUseSquareFeet	0.00	10,000.00
tblLandUse	LandUseSquareFeet	669,610.00	669,607.00
tblLandUse	LandUseSquareFeet	527,950.00	527,947.00
tblLandUse	LandUseSquareFeet	176,853.60	176,857.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.64
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.92	2.6330e-003
tblVehicleEF	HHD	6,983.95	1,244.43
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	6.11
tblVehicleEF	HHD	2.87	1.80
tblVehicleEF	HHD	20.20	2.44
tblVehicleEF	HHD	0.01	2.2010e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	2.1060e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	0.00
tblVehicleEF	HHD	3.4490e-003	2.0000e-006
tblVehicleEF	HHD	0.89	0.51
tblVehicleEF	HHD	5.7000e-005	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.4200e-004	4.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	0.00
tblVehicleEF	HHD	3.4490e-003	2.0000e-006
tblVehicleEF	HHD	1.02	6.62
tblVehicleEF	HHD	5.7000e-005	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.4200e-004	4.0000e-006
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	1.17	0.03

tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.54
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.80	2.4860e-003
tblVehicleEF	HHD	7,395.94	1,228.09
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	5.81
tblVehicleEF	HHD	2.70	1.70
tblVehicleEF	HHD	20.19	2.44
tblVehicleEF	HHD	0.01	1.9560e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	1.8710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	0.00
tblVehicleEF	HHD	3.9090e-003	3.0000e-006
tblVehicleEF	HHD	0.84	0.54
tblVehicleEF	HHD	1.2900e-004	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.4800e-004	4.0000e-006

tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	0.00
tblVehicleEF	HHD	3.9090e-003	3.0000e-006
tblVehicleEF	HHD	0.97	7.01
tblVehicleEF	HHD	1.2900e-004	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.4800e-004	4.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.78
tblVehicleEF	HHD	0.58	0.46
tblVehicleEF	HHD	1.89	2.6120e-003
tblVehicleEF	HHD	6,415.00	1,266.99
tblVehicleEF	HHD	1,493.95	1,307.86
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	26.84	6.53
tblVehicleEF	HHD	2.83	1.78
tblVehicleEF	HHD	20.20	2.44
tblVehicleEF	HHD	0.02	2.5400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.02

tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.02	2.4300e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8510e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	3.7830e-003	3.0000e-006
tblVehicleEF	HHD	0.96	0.47
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	2.5900e-004	5.0000e-006
tblVehicleEF	HHD	0.06	2.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	3.7830e-003	3.0000e-006
tblVehicleEF	HHD	1.10	6.07
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	0.13	0.10
tblVehicleEF	HHD	2.5900e-004	5.0000e-006
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18

tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82

tblVehicleEF	LDA	59.28	54.72
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4100e-004
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39

tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15

tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30

tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003

tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003

tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003

tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003

tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004

tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004

tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004

tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.2380e-003
tblVehicleEF	LHD2	5.2410e-003	1.5890e-003
tblVehicleEF	LHD2	9.1660e-003	4.1550e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.29	0.48
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.08
tblVehicleEF	LHD2	0.12	0.10

tblVehicleEF	LHD2	1.69	0.07
tblVehicleEF	LHD2	0.56	0.13
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003
tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	1.4000e-003	2.3000e-004
tblVehicleEF	LHD2	0.04	3.9430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	1.2800e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02
tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7300e-004	7.0000e-005
tblVehicleEF	LHD2	1.4000e-003	2.3000e-004
tblVehicleEF	LHD2	0.04	3.9430e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	7.3800e-004	1.2800e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.14	0.02

tblVehicleEF	LHD2	3.8190e-003	3.2440e-003
tblVehicleEF	LHD2	5.3190e-003	1.6010e-003
tblVehicleEF	LHD2	8.7380e-003	3.9920e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.56	0.12
tblVehicleEF	LHD2	1.21	0.46
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.04
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	1.59	0.07
tblVehicleEF	LHD2	0.54	0.12
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003
tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	2.7070e-003	4.2800e-004
tblVehicleEF	LHD2	0.05	5.1950e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	2.7500e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02

tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7100e-004	7.0000e-005
tblVehicleEF	LHD2	2.7070e-003	4.2800e-004
tblVehicleEF	LHD2	0.05	5.1950e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	1.6130e-003	2.7500e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.13	0.02
tblVehicleEF	LHD2	3.8190e-003	3.2380e-003
tblVehicleEF	LHD2	5.2490e-003	1.5900e-003
tblVehicleEF	LHD2	9.0820e-003	4.1390e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.27	0.48
tblVehicleEF	LHD2	14.32	13.99
tblVehicleEF	LHD2	614.63	622.83
tblVehicleEF	LHD2	24.89	7.07
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	1.67	0.07
tblVehicleEF	LHD2	0.55	0.12
tblVehicleEF	LHD2	1.3030e-003	1.4530e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	5.8350e-003
tblVehicleEF	LHD2	4.2500e-004	9.8000e-005
tblVehicleEF	LHD2	1.2470e-003	1.3900e-003

tblVehicleEF	LHD2	2.6810e-003	2.7010e-003
tblVehicleEF	LHD2	0.01	5.5710e-003
tblVehicleEF	LHD2	3.9100e-004	9.0000e-005
tblVehicleEF	LHD2	1.4600e-003	2.4600e-004
tblVehicleEF	LHD2	0.05	4.7640e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	1.3100e-004
tblVehicleEF	LHD2	0.06	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.12	0.02
tblVehicleEF	LHD2	1.4000e-004	1.3400e-004
tblVehicleEF	LHD2	5.9810e-003	6.0060e-003
tblVehicleEF	LHD2	2.7200e-004	7.0000e-005
tblVehicleEF	LHD2	1.4600e-003	2.4600e-004
tblVehicleEF	LHD2	0.05	4.7640e-003
tblVehicleEF	LHD2	0.02	0.29
tblVehicleEF	LHD2	7.2300e-004	1.3100e-004
tblVehicleEF	LHD2	0.07	0.03
tblVehicleEF	LHD2	0.10	0.01
tblVehicleEF	LHD2	0.13	0.02
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13

tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25

tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003

tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003

tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003

tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03

tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.08
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003

tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
tblVehicleEF	MH	1,048.28	1,507.66
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tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004

tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
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tblVehicleEF	MH	0.03	1.71
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tblVehicleEF	MHD	5.5780e-003	5.4160e-003
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tblVehicleEF	MHD	3.6900e-004	6.0000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
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tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.2800e-004
tblVehicleEF	MHD	0.05	2.1640e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.6690e-003	8.2000e-005
tblVehicleEF	MHD	0.04	6.4920e-003
tblVehicleEF	MHD	0.02	4.4120e-003
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tblVehicleEF	MHD	1.5770e-003	5.6500e-004
tblVehicleEF	MHD	0.01	8.8480e-003
tblVehicleEF	MHD	6.3800e-004	4.9000e-005
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tblVehicleEF	MHD	0.02	4.4120e-003
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	2.4960e-003
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tblVehicleEF	MHD	5.3200e-004	7.8000e-005
tblVehicleEF	MHD	5.5780e-003	5.4160e-003
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tblVehicleEF	MHD	7.5600e-004	5.2000e-005
tblVehicleEF	MHD	1.5800e-003	7.4000e-005
tblVehicleEF	MHD	0.05	1.9630e-003
tblVehicleEF	MHD	0.03	0.01

tblVehicleEF	MHD	7.0500e-004	3.9000e-005
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tblVehicleEF	MHD	0.01	8.8480e-003
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tblVehicleEF	OBUS	1.1300e-004	1.7960e-003

tblVehicleEF	OBUS	5.4210e-003	0.03
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tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
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tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03

tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38

tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.77

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.2877	8.5539	5.1194	0.0231	1.2810	0.2039	1.4849	0.4521	0.1893	0.6414	0.0000	2,155.1881	2,155.1881	0.2348	0.0000	2,161.0587
Maximum	**2.2877**	**8.5539**	**5.1194**	**0.0231**	**1.2810**	**0.2039**	**1.4849**	**0.4521**	**0.1893**	**0.6414**	**0.0000**	**2,155.1881**	**2,155.1881**	**0.2348**	**0.0000**	**2,161.0587**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.0972	6.9787	5.4112	0.0231	0.9090	0.0853	0.9943	0.2949	0.0806	0.3755	0.0000	2,155.1876	2,155.1876	0.2348	0.0000	2,161.0581
Maximum	**2.0972**	**6.9787**	**5.4112**	**0.0231**	**0.9090**	**0.0853**	**0.9943**	**0.2949**	**0.0806**	**0.3755**	**0.0000**	**2,155.1876**	**2,155.1876**	**0.2348**	**0.0000**	**2,161.0581**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**8.33**	**18.42**	**-5.70**	**0.00**	**29.04**	**58.15**	**33.04**	**34.77**	**57.41**	**41.45**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-4-2021	4-3-2021	3.2885	2.3030
2	4-4-2021	7-3-2021	3.1592	2.4744
3	7-4-2021	9-30-2021	3.0858	3.0309
		Highest	3.2885	3.0309

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8153	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Energy	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	505.0970	505.0970	0.0259	6.4300e-003	507.6595
Mobile	0.6922	7.7285	9.9908	0.0620	3.4663	0.0602	3.5265	0.9472	0.0572	1.0044	0.0000	6,019.0515	6,019.0515	0.2573	0.0000	6,025.4831
Offroad	0.1177	1.0730	1.0627	1.3900e-003		0.0762	0.0762		0.0701	0.0701	0.0000	122.2051	122.2051	0.0395	0.0000	123.1932
Waste						0.0000	0.0000		0.0000	0.0000	127.8397	0.0000	127.8397	7.5551	0.0000	316.7173
Water						0.0000	0.0000		0.0000	0.0000	49.1259	479.2730	528.3989	5.0729	0.1248	692.4048
Total	**3.6327**	**8.8699**	**11.1263**	**0.0638**	**3.4663**	**0.1416**	**3.6079**	**0.9472**	**0.1325**	**1.0797**	**176.9656**	**7,125.6564**	**7,302.6220**	**12.9508**	**0.1312**	**7,665.4897**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.6542	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Energy	5.2900e-003	0.0481	0.0404	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	463.7605	463.7605	0.0244	5.8000e-003	466.0971
Mobile	0.6603	7.0618	9.1384	0.0557	3.1049	0.0540	3.1589	0.8484	0.0513	0.8997	0.0000	5,409.2447	5,409.2447	0.2328	0.0000	5,415.0651
Offroad	0.1177	1.0730	1.0627	1.3900e-003		0.0762	0.0762		0.0701	0.0701	0.0000	122.2051	122.2051	0.0395	0.0000	123.1932
Waste						0.0000	0.0000		0.0000	0.0000	127.8397	0.0000	127.8397	7.5551	0.0000	316.7173
Water						0.0000	0.0000		0.0000	0.0000	39.3007	385.1481	424.4488	4.0584	0.0998	555.6620
Total	**3.4374**	**8.1831**	**10.2570**	**0.0574**	**3.1049**	**0.1339**	**3.2388**	**0.8484**	**0.1251**	**0.9735**	**167.1404**	**6,380.3882**	**6,547.5286**	**11.9103**	**0.1056**	**6,876.7664**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.38**	**7.74**	**7.81**	**10.04**	**10.43**	**5.45**	**10.23**	**10.43**	**5.59**	**9.83**	**5.55**	**10.46**	**10.34**	**8.03**	**19.48**	**10.29**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/29/2021	5	20	
2	Grading	Grading	1/30/2021	6/4/2021	5	90	
3	Building Construction	Building Construction	6/12/2021	10/29/2021	5	100	
4	Paving	Paving	7/1/2021	10/29/2021	5	87	
5	Architectural Coating	Architectural Coating	8/1/2021	10/29/2021	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 225

Acres of Paving: 12.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,019,411; Non-Residential Outdoor: 339,804; Striped Parking Area: 31,677 (Architectural Coating – sqft)

OffRoad Equipment

Olive Grove Business Park, Mitigated 2014 trucks or newer - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	28,719.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	580.00	227.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	6.3000e-004	6.4100e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.6378	1.6378	5.0000e-005	0.0000	1.6390
Total	**8.3000e-004**	**6.3000e-004**	**6.4100e-003**	**2.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.6378**	**1.6378**	**5.0000e-005**	**0.0000**	**1.6390**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9700e-003	0.1216	0.2296	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**6.9700e-003**	**0.1216**	**0.2296**	**3.8000e-004**	**0.0813**	**6.2000e-004**	**0.0819**	**0.0447**	**6.2000e-004**	**0.0453**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	6.3000e-004	6.4100e-003	2.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.6378	1.6378	5.0000e-005	0.0000	1.6390
Total	**8.3000e-004**	**6.3000e-004**	**6.4100e-003**	**2.0000e-005**	**1.8200e-003**	**1.0000e-005**	**1.8300e-003**	**4.9000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.6378**	**1.6378**	**5.0000e-005**	**0.0000**	**1.6390**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4033	0.0000	0.4033	0.1638	0.0000	0.1638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1886	2.0880	1.3895	2.7900e-003		0.0893	0.0893		0.0822	0.0822	0.0000	245.2274	245.2274	0.0793	0.0000	247.2102
Total	**0.1886**	**2.0880**	**1.3895**	**2.7900e-003**	**0.4033**	**0.0893**	**0.4926**	**0.1638**	**0.0822**	**0.2460**	**0.0000**	**245.2274**	**245.2274**	**0.0793**	**0.0000**	**247.2102**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0870	3.3534	0.5391	0.0110	0.2471	9.3200e-003	0.2565	0.0679	8.9200e-003	0.0768	0.0000	1,063.1194	1,063.1194	0.0598	0.0000	1,064.6145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.1300e-003	0.0321	9.0000e-005	9.8700e-003	6.0000e-005	9.9300e-003	2.6200e-003	6.0000e-005	2.6800e-003	0.0000	8.1891	8.1891	2.3000e-004	0.0000	8.1948
Total	**0.0911**	**3.3566**	**0.5711**	**0.0111**	**0.2570**	**9.3800e-003**	**0.2664**	**0.0705**	**8.9800e-003**	**0.0795**	**0.0000**	**1,071.3085**	**1,071.3085**	**0.0600**	**0.0000**	**1,072.8094**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1815	0.0000	0.1815	0.0737	0.0000	0.0737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0455	0.8672	1.6525	2.7900e-003		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	245.2271	245.2271	0.0793	0.0000	247.2099
Total	**0.0455**	**0.8672**	**1.6525**	**2.7900e-003**	**0.1815**	**4.5700e-003**	**0.1861**	**0.0737**	**4.5700e-003**	**0.0783**	**0.0000**	**245.2271**	**245.2271**	**0.0793**	**0.0000**	**247.2099**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0870	3.3534	0.5391	0.0110	0.2304	9.3200e-003	0.2397	0.0638	8.9200e-003	0.0727	0.0000	1,063.1194	1,063.1194	0.0598	0.0000	1,064.6145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.1300e-003	0.0321	9.0000e-005	9.1000e-003	6.0000e-005	9.1600e-003	2.4300e-003	6.0000e-005	2.4900e-003	0.0000	8.1891	8.1891	2.3000e-004	0.0000	8.1948
Total	**0.0911**	**3.3566**	**0.5711**	**0.0111**	**0.2395**	**9.3800e-003**	**0.2489**	**0.0662**	**8.9800e-003**	**0.0752**	**0.0000**	**1,071.3085**	**1,071.3085**	**0.0600**	**0.0000**	**1,072.8094**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8186	115.8186	0.0279	0.0000	116.5172
Total	**0.0951**	**0.8716**	**0.8288**	**1.3500e-003**		**0.0479**	**0.0479**		**0.0451**	**0.0451**	**0.0000**	**115.8186**	**115.8186**	**0.0279**	**0.0000**	**116.5172**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0301	1.1042	0.2247	3.0100e-003	0.0716	1.9000e-003	0.0735	0.0207	1.8200e-003	0.0225	0.0000	288.2483	288.2483	0.0194	0.0000	288.7339
Worker	0.1335	0.1009	1.0333	2.9200e-003	0.3180	2.0700e-003	0.3201	0.0845	1.9100e-003	0.0864	0.0000	263.8711	263.8711	7.3900e-003	0.0000	264.0558
Total	**0.1636**	**1.2051**	**1.2580**	**5.9300e-003**	**0.3895**	**3.9700e-003**	**0.3935**	**0.1051**	**3.7300e-003**	**0.1088**	**0.0000**	**552.1195**	**552.1195**	**0.0268**	**0.0000**	**552.7896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0796	0.8006	0.8395	1.3500e-003		0.0339	0.0339		0.0322	0.0322	0.0000	115.8185	115.8185	0.0279	0.0000	116.5171
Total	**0.0796**	**0.8006**	**0.8395**	**1.3500e-003**		**0.0339**	**0.0339**		**0.0322**	**0.0322**	**0.0000**	**115.8185**	**115.8185**	**0.0279**	**0.0000**	**116.5171**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0301	1.1042	0.2247	3.0100e-003	0.0670	1.9000e-003	0.0689	0.0195	1.8200e-003	0.0214	0.0000	288.2483	288.2483	0.0194	0.0000	288.7339
Worker	0.1335	0.1009	1.0333	2.9200e-003	0.2932	2.0700e-003	0.2952	0.0784	1.9100e-003	0.0803	0.0000	263.8711	263.8711	7.3900e-003	0.0000	264.0558
Total	**0.1636**	**1.2051**	**1.2580**	**5.9300e-003**	**0.3602**	**3.9700e-003**	**0.3641**	**0.0979**	**3.7300e-003**	**0.1016**	**0.0000**	**552.1195**	**552.1195**	**0.0268**	**0.0000**	**552.7896**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	0.5620	0.6374	9.9000e-004		0.0295	0.0295		0.0271	0.0271	0.0000	87.1021	87.1021	0.0282	0.0000	87.8064
Paving	0.0159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0705**	**0.5620**	**0.6374**	**9.9000e-004**		**0.0295**	**0.0295**		**0.0271**	**0.0271**	**0.0000**	**87.1021**	**87.1021**	**0.0282**	**0.0000**	**87.8064**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-003	2.2700e-003	0.0233	7.0000e-005	7.1500e-003	5.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.9371	5.9371	1.7000e-004	0.0000	5.9413
Total	**3.0000e-003**	**2.2700e-003**	**0.0233**	**7.0000e-005**	**7.1500e-003**	**5.0000e-005**	**7.2000e-003**	**1.9000e-003**	**4.0000e-005**	**1.9400e-003**	**0.0000**	**5.9371**	**5.9371**	**1.7000e-004**	**0.0000**	**5.9413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	0.5620	0.6374	9.9000e-004		0.0295	0.0295		0.0271	0.0271	0.0000	87.1020	87.1020	0.0282	0.0000	87.8063
Paving	0.0159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0705**	**0.5620**	**0.6374**	**9.9000e-004**		**0.0295**	**0.0295**		**0.0271**	**0.0271**	**0.0000**	**87.1020**	**87.1020**	**0.0282**	**0.0000**	**87.8063**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-003	2.2700e-003	0.0233	7.0000e-005	6.6000e-003	5.0000e-005	6.6400e-003	1.7600e-003	4.0000e-005	1.8100e-003	0.0000	5.9371	5.9371	1.7000e-004	0.0000	5.9413
Total	**3.0000e-003**	**2.2700e-003**	**0.0233**	**7.0000e-005**	**6.6000e-003**	**5.0000e-005**	**6.6400e-003**	**1.7600e-003**	**4.0000e-005**	**1.8100e-003**	**0.0000**	**5.9371**	**5.9371**	**1.7000e-004**	**0.0000**	**5.9413**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0496	0.0591	1.0000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003	0.0000	8.2981	8.2981	5.7000e-004	0.0000	8.3123
Total	**1.6188**	**0.0496**	**0.0591**	**1.0000e-004**		**3.0600e-003**	**3.0600e-003**		**3.0600e-003**	**3.0600e-003**	**0.0000**	**8.2981**	**8.2981**	**5.7000e-004**	**0.0000**	**8.3123**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0174	0.0131	0.1343	3.8000e-004	0.0413	2.7000e-004	0.0416	0.0110	2.5000e-004	0.0112	0.0000	34.3033	34.3033	9.6000e-004	0.0000	34.3273
Total	**0.0174**	**0.0131**	**0.1343**	**3.8000e-004**	**0.0413**	**2.7000e-004**	**0.0416**	**0.0110**	**2.5000e-004**	**0.0112**	**0.0000**	**34.3033**	**34.3033**	**9.6000e-004**	**0.0000**	**34.3273**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0496	0.0591	1.0000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003	0.0000	8.2981	8.2981	5.7000e-004	0.0000	8.3123
Total	**1.6188**	**0.0496**	**0.0591**	**1.0000e-004**		**3.0600e-003**	**3.0600e-003**		**3.0600e-003**	**3.0600e-003**	**0.0000**	**8.2981**	**8.2981**	**5.7000e-004**	**0.0000**	**8.3123**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0174	0.0131	0.1343	3.8000e-004	0.0381	2.7000e-004	0.0384	0.0102	2.5000e-004	0.0104	0.0000	34.3033	34.3033	9.6000e-004	0.0000	34.3273
Total	**0.0174**	**0.0131**	**0.1343**	**3.8000e-004**	**0.0381**	**2.7000e-004**	**0.0384**	**0.0102**	**2.5000e-004**	**0.0104**	**0.0000**	**34.3033**	**34.3033**	**9.6000e-004**	**0.0000**	**34.3273**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6603	7.0618	9.1384	0.0557	3.1049	0.0540	3.1589	0.8484	0.0513	0.8997	0.0000	5,409.2447	5,409.2447	0.2328	0.0000	5,415.0651
Unmitigated	0.6922	7.7285	9.9908	0.0620	3.4663	0.0602	3.5265	0.9472	0.0572	1.0044	0.0000	6,019.0515	6,019.0515	0.2573	0.0000	6,025.4831

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,183.01	1,183.01	1183.01	8,631,226	7,731,294
Total	1,183.01	1,183.01	1,183.01	8,631,226	7,731,294

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.240542	0.037123	0.179649	0.119457	0.017229	0.008000	0.112000	0.280000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	411.3664	411.3664	0.0234	4.8400e-003	413.3917
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	430.7077	430.7077	0.0245	5.0600e-003	432.8282
NaturalGas Mitigated	5.2900e-003	0.0481	0.0404	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	52.3941	52.3941	1.0000e-003	9.6000e-004	52.7054
NaturalGas Unmitigated	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3893	74.3893	1.4300e-003	1.3600e-003	74.8313

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	34700	1.9000e-004	1.7000e-003	1.4300e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8517	1.8517	4.0000e-005	3.0000e-005	1.8627
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.3593e+006	7.3300e-003	0.0666	0.0560	4.0000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	72.5375	72.5375	1.3900e-003	1.3300e-003	72.9686
Total		**7.5200e-003**	**0.0683**	**0.0574**	**4.1000e-004**		**5.1900e-003**	**5.1900e-003**		**5.1900e-003**	**5.1900e-003**	**0.0000**	**74.3893**	**74.3893**	**1.4300e-003**	**1.3600e-003**	**74.8313**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24290	1.3000e-004	1.1900e-003	1.0000e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2962	1.2962	2.0000e-005	2.0000e-005	1.3039
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	957538	5.1600e-003	0.0469	0.0394	2.8000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	51.0979	51.0979	9.8000e-004	9.4000e-004	51.4015
Total		**5.2900e-003**	**0.0481**	**0.0404**	**2.9000e-004**		**3.6600e-003**	**3.6600e-003**		**3.6600e-003**	**3.6600e-003**	**0.0000**	**52.3941**	**52.3941**	**1.0000e-003**	**9.6000e-004**	**52.7054**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	95200	22.0418	1.2500e-003	2.6000e-004	22.1503
Parking Lot	184781	42.7828	2.4300e-003	5.0000e-004	42.9934
Unrefrigerated Warehouse-No Rail	1.58027e+006	365.8832	0.0208	4.3000e-003	367.6845
Total		**430.7078**	**0.0245**	**5.0600e-003**	**432.8282**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	85990	19.9094	1.1300e-003	2.3000e-004	20.0074
Parking Lot	184781	42.7828	2.4300e-003	5.0000e-004	42.9934
Unrefrigerated Warehouse-No Rail	1.50595e+006	348.6743	0.0198	4.1000e-003	350.3909
Total		**411.3664**	**0.0234**	**4.8300e-003**	**413.3917**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6542	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Unmitigated	2.8153	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3223					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4916					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Total	**2.8153**	**1.4000e-004**	**0.0154**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0298**	**0.0298**	**8.0000e-005**	**0.0000**	**0.0318**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4916					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0298	0.0298	8.0000e-005	0.0000	0.0318
Total	**2.6542**	**1.4000e-004**	**0.0154**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0298**	**0.0298**	**8.0000e-005**	**0.0000**	**0.0318**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	424.4488	4.0584	0.0998	555.6620
Unmitigated	528.3989	5.0729	0.1248	692.4048

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.83741	12.4434	7.1000e-004	1.5000e-004	12.5046
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	154.847 / 0	515.9556	5.0722	0.1246	679.9001
Total		**528.3989**	**5.0729**	**0.1248**	**692.4048**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.54233	11.6843	6.6000e-004	1.4000e-004	11.7418
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	123.878 / 0	412.7645	4.0578	0.0997	543.9201
Total		**424.4488**	**4.0584**	**0.0998**	**555.6619**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	127.8397	7.5551	0.0000	316.7173
Unmitigated	127.8397	7.5551	0.0000	316.7173

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.35	0.0711	4.2000e-003	0.0000	0.1760
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	629.43	127.7686	7.5509	0.0000	316.5413
Total		**127.8397**	**7.5551**	**0.0000**	**316.7173**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.35	0.0711	4.2000e-003	0.0000	0.1760
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	629.43	127.7686	7.5509	0.0000	316.5413
Total		**127.8397**	**7.5551**	**0.0000**	**316.7173**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	7	8.00	260	89	0.20	Electrical

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.1177	1.0730	1.0627	1.3900e-003		0.0762	0.0762		0.0701	0.0701	0.0000	122.2051	122.2051	0.0395	0.0000	123.1932
Total	**0.1177**	**1.0730**	**1.0627**	**1.3900e-003**		**0.0762**	**0.0762**		**0.0701**	**0.0701**	**0.0000**	**122.2051**	**122.2051**	**0.0395**	**0.0000**	**123.1932**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX H

ENVIRONMENTAL SITE ASSESSMENT

PARTNER
Engineering and Science, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Olive Grove
Northside of Baseline Road, West of Cactus Avenue
Rialto, California 92376

Report Date: June 17, 2021
Partner Project No. 21-322623.1

Prepared for:

Crow Holdings-Industrial
527 West 7th Street, Suite 200
Los Angeles, California 90014

PARTNER
Engineering and Science, Inc.

June 17, 2021

Mr. Jefferson Hill
Crow Holdings-Industrial
527 West 7th Street, Suite 200
Los Angeles, California 90014

Subject: Phase I Environmental Site Assessment
Olive Grove
Northside of Baseline Road, West of Cactus Avenue
Rialto, California 92376
Partner Project No. 21-322623.1

Dear Mr. Hill:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (215) 620-9308.

Sincerely,

DRAFT

Douglas J. Newton, CPG
Relationship Manager

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Crow Holdings-Industrial for the property located at Northside of Baseline Road, West of Cactus Avenue in Rialto, San Bernardino County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Crow Holdings-Industrial with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the north side of Baseline Road within a mixed commercial, industrial, and residential area of San Bernardino County. Please refer to the table below for further description of the subject property.

Subject Property Data	
Address(es):	Northside of Baseline Road, West of Cactus Avenue, Rialto, California
Property Use:	Vacant
Land Acreage (Ac):	30.87 Ac
Number of Buildings:	None
Assessor's Parcel Number (APN):	0264-213-18-0000
Site Assessment Performed By:	Cheryl Manuel
Site Assessment Conducted On:	June 8, 2021

The subject property is currently unoccupied, vacant land zoned for industrial use. No onsite operations exist.

According to available historical sources, the subject property was formerly undeveloped as early as 1896 to circa 1930; developed agriculturally between 1938 and circa 1959; and vacant land from approximately 1966 to present. No tenants were identified for the subject property.

The immediately surrounding properties consist of a park to the north, a flood control basin to the northeast; residential to the south and southwest and a flood control basin to the southeast across Baseline Road; a flood control basin to the east; and a vacant parcel and commercial development to the west.

According to a subsurface investigation conducted on a nearby property (855 West Baseline Road and Case #083603976T) and topographic map interpretation, the depth to groundwater in the vicinity of the subject property approximately 300-350 feet below ground surface (bgs) and groundwater flow is inferred to be toward the southeast.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.

- Partner did not identify any RECs during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Partner did not identify any CRECs during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

- Partner did not identify any HRECs during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following concerns were identified during the course of this assessment:

- The subject property parcel was historically used for agricultural purposes from the late 1930s until sometime in the 1960s. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. Future development of the subject property would likely involve either paving over or covering by building structures that minimize direct contact to any potential remaining concentrations in the soil. Additionally, during previous site development activities, near surface soils (where residual agricultural chemical concentrations would have most likely been present, if at all) would likely be mixed with fill material or be disturbed during grading. Also, during development it is common that engineered fill material is placed over underlying soils as part of the development activities. These additional activities serve to further reduce the potential for exposure to residual agricultural chemicals (if any). Based on these reasons, Partner concludes that the former use of agricultural chemicals at the subject property is not expected to represent an environmental concern at this time.
- Several piles of soil approximately 5 feet high were observed onsite, near the eastern boundary of the subject property. According to the site contact, Mr. Reuben Zepeda, the soil piles have been there since at least 2017.

- Additionally, it was reported that a homeless encampment occupied the site last year, and the occupants were digging on the site creating newer soil piles. According to the 2007 LFR Phase I ESA prepared for the subject property, the property owner had allowed a developer (Shea Homes) to dispose of excess soil on the subject property generated during their construction of a nearby residential development. The Shea Homes site was reportedly determined to be a prior agricultural site. As such, four soil samples were collected from the development site and analyzed for organochlorine pesticides. According to the report, no pesticides were detected at concentrations above the U.S. Environmental Protection Agency (EPA) Preliminary Remediation Goal (PRG) for a residential scenario. Documentation regarding the fill material was not appended to the 2007 LFR Phase I ESA or provided for Partner's review at the time of the assessment. However, based on the reported origin and quality of materials placed on the subject property, the onsite soil piles are not expected to represent an environmental concern to the subject property.
- The subject property is located within an area of groundwater contamination that originated at a 160-acre site bounded by Casa Grande Drive to the north, Summit Avenue to the south, North Locust Avenue to the east, and Alder Avenue to the west. This site is situated approximately 2 miles to the northwest (i.e., presumed upgradient) of the subject property and includes a six-mile long area of groundwater contamination downgradient of the 160-acre area. The site was previously used by defense contractors, fireworks manufacturers, and other businesses including West Coast Loading Corporation, B.F. Goodrich Corporation, Pyrotronics, Pyro Spectaculars, and American Promotional Events. These companies handled perchlorate salts and other hazardous chemicals and disposed of chemical wastes on the facility, contaminating the groundwater supply. Site investigations and cleanup in the area are ongoing.

  The California Regional Water Quality Control Board (RWQCB) led initial efforts to respond to the contamination. The EPA added the site to the Superfund program's National Priorities List (NPL) in September 2009. The Goodrich Corporation, Emhart Industries (a corporate successor to West Coast Loading Corporation), Pyro Spectaculars, American Promotional Events, and others have entered into agreements with EPA to pay for cleanup work at the site. The EPA selected the "Source Area Operable Unit" groundwater remedy in September 2010. The selected remedy is a groundwater pump-and-treat system intended to intercept and remove contaminated groundwater from the 160-acre source area. The 160-acre source area is the location where most or all of the contaminants entered the groundwater and testing has identified the highest levels of groundwater contamination. The "Source Area Operable Unit" groundwater remedy was designed in 2013 and 2014 and constructed between 2015 and 2020. It includes a new groundwater extraction well; water treatment systems that make use of liquid-phase granular activated carbon (LGAC) to remove trichloroethene (TCE) and other volatile organic compounds (VOCs) from the extracted groundwater, and ion exchange to remove perchlorate from the extracted groundwater; pipelines and pumps to convey the treated water from the treatment plant to the City of Rialto's water distribution system for use as drinking water supply; and a groundwater monitoring program.

It is expected that a second groundwater cleanup remedy will be needed to address contaminated groundwater in the "mid-basin" area which has moved past (i.e., downgradient of) the Source Area remedy. To provide information needed to support that decision, EPA completed testing between 2008 and 2012 and entered into an agreement with the Goodrich Corporation to complete additional testing and engineering evaluations as part of a second remedial investigation and feasibility study for the site. Eleven multi-level groundwater monitoring wells were installed and tested between 2013 and 2019. Testing of the groundwater is ongoing. This work is an area known as the "Mid-basin Operable Unit,". According to the EPA First Five Year Review Report (2020) for the site. The remedy has been implemented by expanding an existing water treatment system at an adjacent state-led cleanup site. A new groundwater extraction well, new liquid-phase granular activated carbon and ion exchange water treatment systems, and new pipelines were constructed. A cleanup proposal for the mid-basin groundwater is also expected in late 2020 or early 2021.

The EPA has identified the following parties as PRPs at the site: - Goodrich Corporation, Emhart Industries (on behalf of West Coast Loading Corporation), Pyro Spectaculars Inc. (PSI), Ken Thompson Inc. (current property owner), The estate of Chung Ming Wong (current property owner), Pyrotronics, Inc. (“Pyrotronics”) and Harry Hescox.

According to online information, no monitoring wells for this plume are located on the subject property and depth to groundwater is between 300 to 350 feet below ground surface. In addition, due to the fact that the EPA is currently taking action at this site and has identified the responsible parties involved, it is unlikely that the owner of the subject property would be required to financially participate in the cleanup of any subsurface contamination that originated at this NPL site. Vapor intrusion is not a concern due to the depth to groundwater. Based on the ongoing remedial actions and regulatory oversight by the EPA, the identification of responsible parties, and the depth to groundwater, this site is not expected to represent an environmental concern to the subject property at this time.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of Northside of Baseline Road, West of Cactus Avenue in Rialto, San Bernardino County, California (the “subject property”). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs, CRECs, or HRECs in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment and the continued future industrial use of the subject property, no further action is warranted at this time.

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Purpose 1
1.2 Scope of Work 1
1.3 Limitations 2
1.4 User Reliance 2
1.5 Limiting Conditions 3
2.0 SITE DESCRIPTION 4
2.1 Site Location and Legal Description 4
2.2 Current Property Use 4
2.3 Current Use of Adjacent Properties 4
2.4 Physical Setting Sources 5
2.4.1 Topography 5
2.4.2 Hydrology 5
2.4.3 Geology/Soils 5
2.4.4 Flood Zone Information 6
3.0 HISTORICAL INFORMATION 7
3.1 Aerial Photograph Review 7
3.2 Fire Insurance Maps 9
3.3 City Directories 9
3.4 Historical Topographic Maps 11
4.0 REGULATORY RECORDS REVIEW 13
4.1 Regulatory Agencies 13
4.1.1 State Department 13
4.1.2 Health Department/Fire Department 13
4.1.3 Air Pollution Control Agency 13
4.1.4 Regional Water Quality Agency 14
4.1.5 Department of Toxic Substances Control 14
4.1.6 Building Department 14
4.1.7 Planning Department 15
4.1.8 Oil & Gas Exploration 15
4.1.9 Assessor's Office 15
4.2 Mapped Database Records Search 16
4.2.1 Regulatory Database Summary 16
4.2.2 Subject Property Listings 17
4.2.3 Adjacent Property Listings 17
4.2.4 Sites of Concern Listings 20
4.2.5 Orphan Listings 22
5.0 USER PROVIDED INFORMATION AND INTERVIEWS 23
5.1 Interviews 23
5.1.1 Interview with Owner 23
5.1.2 Interview with Report User 24
5.1.3 Interview with Key Site Manager 24
5.1.4 Interviews with Past Owners, Operators and Occupants 24
5.1.5 Interview with Others 24

5.2 User Provided Information 24
5.2.1 Title Records, Environmental Liens, and AULs 24
5.2.2 Specialized Knowledge 24
5.2.3 Actual Knowledge of the User 24
5.2.4 Valuation Reduction for Environmental Issues 24
5.2.5 Commonly Known or Reasonably Ascertainable Information 24
5.2.6 Previous Reports and Other Provided Documentation 24
6.0 SITE RECONNAISSANCE 26
6.1 General Site Characteristics 26
6.2 Potential Environmental Hazards 27
6.3 Non-ASTM Services 28
6.3.1 Asbestos-Containing Materials (ACMs) 28
6.3.2 Lead-Based Paint (LBP) 28
6.3.3 Radon 28
6.3.4 Lead in Drinking Water 29
6.3.5 Mold 29
6.4 Adjacent Property Reconnaissance 29
7.0 FINDINGS AND CONCLUSIONS 30
8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS 33
9.0 REFERENCES 34

Figures

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Topographic Map

Appendices

Appendix A Site Photographs
Appendix B Historical/Regulatory Documentation
Appendix C Regulatory Database Report
Appendix D Qualifications

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at Northside of Baseline Road, West of Cactus Avenue in Rialto, San Bernardino County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Crow Holdings-Industrial engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Crow Holdings-Industrial. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns.

Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of the AAI User Questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was not able to document the historical use of the subject property prior to 1896. The following sources were reviewed during the course of this assessment and found to be limited: aerial photographs were not available prior to 1930; city directories were not available for the subject property; topographic maps prior to 1896 were not reasonably ascertainable from local agencies; and other historical sources such as fire insurance maps did not provide coverage of the subject property. This data failure is not considered critical and does not change the conclusions of this report, as the 1896 topographic map revealed the subject property to be undeveloped. In addition, the adjacent and surrounding areas are also shown mostly as undeveloped.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Information concerning historical use of the subject property was unavailable from 1901 to 1930, 1930 to 1938, 1943 to 1949, 1959 to 1966, and 1995 to 2002. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at Northside of Baseline Road, West of Cactus Avenue in Rialto, California is located on the north side of Baseline Road. According to the San Bernardino County Assessor, the subject property is legally described as *PTN SW ¼ SE ¼ SEC 34 TP 1N R 5W LYING S OF A T AND S F RR R/W EX ST*, and ownership is currently vested in Oakmont Rialto Olive Grove LLC since 2008.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently unoccupied, vacant land zoned for industrial use. No onsite operations exist. The subject property is designated for industrial development by the City of Rialto. The subject property was not identified in the regulatory database report that is summarized in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial, industrial, and residential area of San Bernardino County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties

North: Jerry Eaves Park (1485 North Ayala Drive); northeast is San Bernardino County Flood Control District (no address)

South: West Baseline Road beyond which is residential (1191 and 1192 Glenwood Avenue); 922 to 1040 West Mesa Drive); and (908 and 1171 Idyllwild Avenue); southeast is San Bernardino County Flood Control District (no address)

East: San Bernardino County Flood Control District (no address)

West: Auto Repair, Car Audio, Custom Trailers (1245 North Fitzgerald Avenue); Dynamic Powder Coating & Sand Blasting (1265 North Fitzgerald Avenue); Fastenal Industrial & Construction Supplies (1285 North Fitzgerald Avenue); Compressor Component Part Co Inc. (1325 North Fitzgerald Avenue); Guadalajara's Auto Repair (1345 North Fitzgerald Avenue); Power Pro Plus Inc. (1375 North Fitzgerald Avenue)

The adjacent property to the east-northeast was identified as a Solid Waste Landfill (SWF/LF), the adjacent property to the west was identified as a California Environmental Reporting System Hazardous Waste (CERS HAZ WASTE) and San Bernardino County Permit site, the adjacent property to the west-northwest was identified as a Resource Conservation and Recovery Act Non Generator No Longer Regulated (RCRA NonGen/NLR) and San Bernardino Co. Permit site, the adjacent properties to the west-northwest are identified as RCRA NonGen/NLR sites, an additional adjacent property to the west-northwest was identified as a RCRA NonGen/NLR and San Bernardino Co. Permit site, the adjacent property to the west was identified as a San Bernardino Co. Permit site, two adjacent properties to the west-northwest were identified as a San Bernardino Co. Permit sites, the adjacent property to the west was identified as a San Bernardino Co. Permit site, and an additional west adjacent property was identified as an EDR Historical Auto site in the regulatory database report (see Section 4.2).

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Fontana, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 1380 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the southeast. The subject property is depicted on the 1980 map as undeveloped.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater flow in the vicinity of the subject property is inferred to be toward the southeast. The nearest surface water in the vicinity of the subject property is the Cajon Wash located approximately 2.89 miles east of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Veolia North America, under contract with Rialto Water Services (RWS), serves the subject property vicinity. The sources of public water for Rialto are 86 percent from groundwater basins and 14 percent from surface water.

According to a subsurface investigation conducted on a nearby property (855 West Baseline Road and Case #083603976T), the depth of groundwater in the vicinity of the subject property is approximately 300-350 feet below ground surface (bgs).

2.4.3 Geology/Soils

The subject property is situated within the Peninsular ranges geomorphic province of the State of California. The Peninsular Ranges are a series of ranges separated by northwest-trending valleys and traversed by several major active faults. The Whittier-Elsinore, San Jacinto, Newport-Inglewood, and San Andreas faults are major active fault systems located in the vicinity of the subject property. Major tectonic activity associated with these and other faults within this regional tectonic framework are typically right-lateral strike-slip movements. The Peninsular ranges extend into lower California, are bound to the east by the Colorado River, and extend into the Los Angeles Basin and the island group surrounding the continental shelf.

Based on information obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Hanford coarse sandy loam and Tujunga gravelly loamy sand. The Hanford series consists of very deep, well drained soils that formed in alluvium from granitic sources. Hanford soils are on alluvial fans and floodplains, including urban areas. Slopes range from 2 to 9 percent. Similarly, the Tujunga series consists of very deep, somewhat excessively drained soils that formed in alluvium from granitic sources. Tujunga soils are on alluvial fans and floodplains, including urban areas. Slopes range from 0 to 9 percent.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06071C7920H, dated August 28, 2008, the subject property appears to be located in Zone X, an area of minimal flood hazard.

A copy of the reviewed flood map is included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below.

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1896-1930	Aerial Photograph, Topographic Maps	Undeveloped
1938-1959	Aerial Photographs, Topographic Maps	Agricultural
1966-Present	Aerial Photographs, Topographic Maps, Onsite Observations	Vacant land

No tenants were identified for the subject property. No potential environmental concerns were identified in association with the current or former use of the subject property.

The subject property parcel was historically used for agricultural purposes from the late 1930s until sometime in the 1960s. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. Future development of the subject property would likely involve either paving over or covering by building structures that minimize direct contact to any potential remaining concentrations in the soil. Additionally, during previous site development activities, near surface soils (where residual agricultural chemical concentrations would have most likely been present, if at all) would likely be mixed with fill material or be disturbed during grading. Also, during development it is common that engineered fill material is placed over underlying soils as part of the development activities. These additional activities serve to further reduce the potential for exposure to residual agricultural chemicals (if any). Based on these reasons, Partner concludes that the former use of agricultural chemicals at the subject property is not expected to represent an environmental concern at this time.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources, Inc. (EDR) on June 7, 2021. The following was observed on the subject property and adjacent properties during the aerial photograph review:

Date: 1930	*Scale: 1"=500'*
Subject Property:	Appears to be undeveloped
North:	Appears to be undeveloped
South:	Appears to be undeveloped across Baseline Road
East:	Appears to be undeveloped
West:	Appears to be undeveloped

Date: 1938	*Scale: 1"=500'*
Subject Property:	Appears to be developed agriculturally
North:	Appears to be developed agriculturally
South:	Appears to be vacant land across Baseline Road
East:	Appears to be undeveloped
West:	Appears to be developed agriculturally

Date: 1949, 1953, 1959	***Scale: 1"=500'***
Subject Property:	No significant changes visible
North:	Appears to be developed with a road, beyond which is vacant land
South:	Appears to be developed as agricultural to the south and southwest across Baseline Road
East:	Appears to be vacant land, which appears to have been excavated to the east, northeast; and to the southeast across Baseline Road
West:	Appears to be vacant land to the west and northwest

Date: 1966	***Scale: 1"=500'***
Subject Property:	Appears to be vacant land
North:	No significant changes visible
South:	Appears to be vacant land to the south-southeast and agricultural to the south and southwest across Baseline Road
East:	No significant changes visible
West:	No significant changes visible

Date: 1968	***Scale: 1"=500'***
Subject Property:	No significant changes visible
North:	No significant changes visible
South:	No significant changes visible
East:	The southeast site across Baseline Road appears to be filled in; No other significant changes are visible
West:	No significant changes visible

Date: 1975	***Scale: 1"=500'***
Subject Property:	Appears to be a dirt road running through the property north to south; No other significant changes are visible
North:	No significant changes visible
South:	No significant changes visible
East:	The southeast site across Baseline Road appears to be developed commercially; No other significant changes are visible
West:	No significant changes visible

Date: 1985	***Scale: 1"=500'***
Subject Property:	No significant changes visible
North:	Appears to be developed with several road and/or paths
South:	Appears to be vacant land to the south and south-southeast and developed as residential to the southwest across Baseline Road
East:	No significant changes visible
West:	Appears to be under construction with commercial development

Date: 1990	***Scale: 1"=500'***
Subject Property:	Appears as though unpaved roads have been added in a grid pattern, while the remaining land is vacant and undeveloped
North:	No significant changes visible
South:	Appears to be under construction with a residential tract across Baseline Road; no other significant changes are visible

Date: 1990		*Scale: 1"=500'*
East:	No significant changes visible	
West:	Appears to be developed commercially	

Date: 1994, 1995		*Scale: 1"=500'*
Subject Property:	No significant changes visible	
North:	Appears to be under development as a park	
South:	Appears to be residential to the south and southwest and commercial to the southeast across Baseline Road	
East:	Excavation appears to have stopped on the east and northeast sites, which are now vacant land	
West:	No significant changes visible	

Date: 2002, 2005		*Scale: 1"=500'*
Subject Property:	No significant changes visible	
North:	Appears to be developed with a park	
South:	No significant changes visible	
East:	No significant changes visible	
West:	No significant changes visible	

Date: 2009, 2012		*Scale: 1"=500'*
Subject Property:	No significant changes visible	
North:	The northwest site appears to have been developed as a parking lot for the north adjacent park	
South:	No significant changes visible	
East:	No significant changes visible	
West:	No significant changes visible	

Date: 2016		*Scale: 1"=500'*
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	No significant changes visible	
East:	The east and northeast sites appear to be under development for stormwater management and flood control	
West:	No significant changes visible	

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from EDR on June 7, 2021. Sanborn map coverage was not available for the subject property.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR on June 7, 2021 for past names and businesses that were listed for the subject property and adjacent properties. City directories were not identified for the subject property and vicinity.

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
1975	Residential (928, 976, 988, 1026, 1038 West Mesa Drive)
1981	Residential (928, 940 West Mesa Drive)
1992	Residential (1192 North Glenwood Avenue), L. Davis, Rialto Quality Finish Inc, Scaff Mfg., Skylines NPyramids (1245 North Fitzgerald Avenue), A Touch of Oak, Harper Manufacturing Ltd, Kennedy Glass Systems (1265 North Fitzgerald Avenue), Round Concepts (1285 North Fitzgerald Avenue), Hockman & Hockman Associates, Kasch Graphic Design (1325 North Fitzgerald Avenue), FW Construction, Morgan Framing, Wally Motors (1345 North Fitzgerald Avenue)
1995	Residential (934, 960, 986, 1032, 1040 West Mesa Drive), Residential (1191, 1192 North Glenwood Avenue), Another Glass & Mirror Company, D. Britten, L. Davis, Hernandez Bros, Inland Pro Paving, Rialto Quality Finish Inc Rogan Building Services, Skylines NPyramids (1245 North Fitzgerald Avenue), Dynamic Powder Coating, Four Slide Masters Inc, Harper Manufacturing Ltd (1265 North Fitzgerald Avenue), Warren Forfa Enterprises (1285 North Fitzgerald Avenue), R. Bonilla, Morgan Framing, Refinancing Consultant, Si-Nor Inc, Wally Motors (1345 North Fitzgerald Avenue), Rialto Youth Soccer League (1485 Ayala Drive)
2000	Residential (922, 934, 986, 1006, 1018 West Mesa Drive), Residential (1191, 1192 North Glenwood Avenue), A. Puente, L. Davis, Economy Safety Products, R. Griffin, Rogan Building Services Inc, Skylines NPyramids (1245 North Fitzgerald Avenue), Dynamic Powder Coating, Four Slide Masters Inc, Harper Manufacturing Ltd Inc, Superior Sand Blasting (1265 North Fitzgerald Avenue), BK Fabworks, R. Combs, Elite Wood Products, Losman Tool (1285 North Fitzgerald Avenue), Compressor Components Parts Co (1325 North Fitzgerald Avenue), Companions One in Christ, Empire Home Health Care Agency, RP Star Number One, Si-Nor Inc, Southland Machine (1345 North Fitzgerald Avenue), Rialto Youth Soccer League (1485 Ayala Drive)
2005	Residential (922, 934, 960, 974, 986, 1006, 1018, 1032, 1040 West Mesa Drive), Residential (1191, 1192 North Glenwood Avenue), AFR Motorsports, A West Coast Safe & Fireplace, Beds & More, Goolsby's Transmission, R. Griffin, Skylines NPyramids (1245 North Fitzgerald Avenue), Eagle Solid Wood Inc, Harper Manufacturing Ltd Inc, Joaquin Frame, Sigi Fine Custom Furniture & Kit (1265 North Fitzgerald Avenue), D. Sizemore, Eagle Cabinet Door Inc, Emilio Rectifier Service, C. Erasmo, Losman Tool, Sernas Countertops (1285 North Fitzgerald Avenue), Moreno Valley Construction (1325 North Fitzgerald Avenue), Community Lending, Crown Funding Corp, HLMC Rialto, Prime Dental Lab, Segovias Ironworks, United World Restling, K. Wade (1345 North Fitzgerald Avenue)
2010	Residential (922, 934, 960, 986, 1006, 1018, 1040 West Mesa Drive), Residential (1191, 1192 North Glenwood Avenue), B Safe Co, Benchmark Inks Coatings, Js Flooring, Kris Corp A Corp, Rob's Custom Cabinets, SSS Warehouse Appliances (1245 North Fitzgerald Avenue), 1265 Fitzgerald LLC, Diaz Metal Polishing, Empire Doors & Trims, Four Slide Masters Corporation, Joaquin Frame (1265 North Fitzgerald Avenue), Hungs Fashions, Independent Fabrication (1285 North Fitzgerald Avenue), Compressor Components Parts Co (1325 North Fitzgerald Avenue), ARS Dental Inc, Community Lending, Manuel's Auto Repair, Prime Dental Lab, United World Restling (1345 North Fitzgerald Avenue), Rialto Youth Soccer League (1485 Ayala Drive)
2014	Residential (934, 960, 974, 986, 1006, 1018, 1032 West Mesa Avenue), Residential (1191, 1192 North Glenwood Avenue), Benchmark Inks & Coatings Inc, SSS Warehouse Appliances (1245 North Fitzgerald Avenue), 1265 Fitzgerald LLC, Empire Doors & Trims (1265 North Fitzgerald Avenue), Hungs Fashions, Ipec Global Inc, K&T Trade LLC, King Engine Co, Pegleg Pirate

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
	(1285 North Fitzgerald Avenue), Compressor Components Parts Co (1325 North Fitzgerald Avenue), ARS Dental Inc, Guadalajara's Auto Repair, Hatzakortzian Dental Lab, L. Miranda, Si-Nor Incorporated, Universal Global Entps Inc (1345 North Fitzgerald Avenue), Rialto Youth Soccer League (1485 Ayala Drive)
2017	Kasch Designs, Kasch Graphics (1245 North Fitzgerald Avenue), Empire Doors & Trims, N. Harris (1265 North Fitzgerald Avenue), M. Garcia, IPEC Global Inc (1285 North Fitzgerald Avenue), Compressor Component Parts (1325 North Fitzgerald Avenue), ARS Dental Inc, Guadalajaras Auto Repair, Hatzakortzian Dental Lab Inc (1345 North Fitzgerald Avenue)

According to the city directory review, the adjacent properties to the west have been occupied by various industrial and/or automotive repair facilities. These sites were identified on the regulatory database report and are further discussed in Section 4.2.3.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR on June 7, 2021. The following was observed on the subject property and adjacent properties during the topographic map review.

Date: 1896, 1898, 1901	
Subject Property:	Depicted as undeveloped
North:	Depicted as undeveloped
South:	Depicted as undeveloped across Baseline Road
East:	Depicted as undeveloped
West:	Depicted as undeveloped

Date: 1942	
Subject Property:	Depicted as vacant land
North:	Depicted as vacant land
South:	Depicted as vacant land across Baseline Road
East:	Depicted as vacant land
West:	Depicted as vacant land

Date: 1943	
Subject Property:	No significant changes depicted
North:	Not depicted
South:	No significant changes depicted
East:	No significant changes depicted
West:	No significant changes depicted

Date: 1953, 1954	
Subject Property:	Depicted as agricultural
North:	Depicted as agricultural and vacant land
South:	Depicted as agricultural across Baseline Road
East:	Depicted as gravel pits
West:	Depicted as agricultural

Date: 1966	
Subject Property:	Depicted as vacant land
North:	Depicted as vacant land with unpaved trails
South:	Depicted as vacant land across Baseline Road
East:	No significant changes depicted
West:	Depicted as vacant land

Date: 1973	
Subject Property:	No significant changes depicted
North:	Not depicted
South:	Depicted as agricultural and vacant land across Baseline Road
East:	No significant changes depicted
West:	No significant changes depicted

Date: 1975	
Subject Property:	No significant changes depicted
North:	Depicted as vacant land
South:	No significant changes depicted
East:	No significant changes depicted
West:	No significant changes depicted

Date: 1980	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted
East:	No significant changes depicted
West:	No significant changes depicted

Date: 2012	
Subject Property:	No details or structures are depicted with the exception of roads
North:	No details or structures are depicted with the exception of roads
South:	No details or structures are depicted with the exception of roads
East:	No details or structures are depicted with the exception of roads
West:	No details or structures are depicted with the exception of roads

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	California Environmental Protection Agency (CalEPA)
Point of Contact:	https://siteportal.calepa.ca.gov/
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 323-2514
Date of Contact:	June 7, 2021
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with CalEPA.

Copies of pertinent documents are included in Appendix B of this report.

4.1.2 Health Department/Fire Department

Regulatory Agency Data	
Name of Agency:	San Bernardino County Fire Protection District-Hazardous Materials Division (SBCFPD-HMD)
Point of Contact:	hazmatrecords@sbcfire.org
Agency Address:	620 South E Street, San Bernardino, California 92415
Agency Phone Number:	(909) 386-8468
Date of Contact:	May 27, 2021
Method of Communication:	Email
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the SBCFPD-HMD.

Copies of pertinent documents are included in Appendix B of this report.

4.1.3 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (SCAQMD)
Point of Contact:	https://www.aqmd.gov
Agency Address:	21865 Copley Drive, Diamond Bar, California 91765
Agency Phone Number:	(909)396-2000
Date of Contact:	June 7, 2021
Method of Communication:	Online
Summary of Communication:	No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property with the SCAQMD.

Copies of pertinent documents are included in Appendix B of this report.

4.1.4 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	State Water Resources Control Board (SWRCB)
Point of Contact:	Online (Geotracker.waterboards.ca.gov)
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(866) 480-1028
Date of Contact:	June 7, 2021
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the SWRCB.

Copies of pertinent documents are included in Appendix B of this report.

4.1.5 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC) and Hazardous Waste Tracking System (HWTS)
Point of Contact:	https://dtsc.ca.gov and https://hwts.dtsc.ca.gov/
Agency Address:	5796 Corporate Avenue, Cypress, California 90630
Agency Phone Number:	(714) 484-5300
Date of Contact:	June 7, 2021
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the DTSC or HWTS.

Copies of pertinent documents are included in Appendix B of this report.

4.1.6 Building Department

Regulatory Agency Data	
Name of Agency:	Rialto Building Division (RBD)
Point of Contact:	http://obweb.rialtoca.gov/publicaccess/
Agency Address:	150 South Palm Avenue, Rialto, CA 92376
Agency Phone Number:	(909) 820-2505
Date of Contact:	June 4, 2021
Method of Communication:	Online
Summary of Communication:	No records were on file for the subject property with the RBD.

Copies of pertinent documents are included in Appendix B of this report.

4.1.7 Planning Department

Regulatory Agency Data	
Name of Agency:	Rialto Planning Department (RPD)
Point of Contact:	https://www.yourrialto.com/265/Planning-Division
Agency Address:	150 South Palm Avenue, Rialto, CA 92376
Agency Phone Number:	(909) 820-2525
Date of Contact:	June 7, 2021
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is zoned I-AR for industrial development by the City of Rialto.

Copies of pertinent documents are included in Appendix B of this report.

4.1.8 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Department of Conservation (DOC) Geologic Energy Management Division (CalGEM)
Point of Contact:	https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx
Agency Address:	5816 Corporate Avenue, Cypress, California 92630
Agency Phone Number:	(714) 816-6847
Date of Contact:	June 7, 2021
Method of Communication:	Well Finder Online Database
Summary of Communication:	According to CalGEM, no oil or gas wells are located on or adjacent to the subject property.

Copies of pertinent documents are included in Appendix B of this report.

4.1.9 Assessor's Office

Regulatory Agency Data	
Name of Agency:	San Bernardino County Property Information Management System (SBC PIMS)
Point of Contact:	http://www.sbcounty.gov/assessor/pims/PIMSINTERFACE.ASPX
Agency Address:	172 West 3rd Street, San Bernardino, CA
Agency Phone Number:	(909) 387-8307
Date of Contact:	June 4, 2021
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 0264-213-18-0000 and is currently owned by Oakmont Rialto Olive Grove LLC since 2008. The subject property is vacant land and total(s) approximately 30.87 acres.

Copies of pertinent documents are included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by EDR. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	**Y**	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	**Y**
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills (CPS-SLIC)	0.50	N	N	**Y**
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
CERS HAZ WASTE	0.25	N	**Y**	N
RCRA NonGen/NLR	0.25	N	**Y**	N
San Bernardino Co. Permit	0.25	N	**Y**	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	**Y**	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjacent Property Listings

The adjacent property to the east-northeast is identified as a SWF/LF site in the regulatory database report, as discussed below:

- The property, identified as Cactus Dump (Rialto) at E ½, NE ¼ of S3. T1s, R5W, SBBM, is located adjacent to the east-northeast and situated hydrologically cross-gradient of the subject property. This site was identified as a solid waste landfill from the late 1940s until its closure circa 1956. The site was then excavated and reportedly used as a gravel pit until circa 1990. Based on the continuous excavation as a gravel pit for over 30 years and the inferred direction of groundwater flow, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as a CERS HAZ WASTE and San Bernardino Co. Permit site in the regulatory database report, as discussed below:

- The property, identified as Benchmark Inks & Coatings at 1245 North Fitzgerald Avenue, Suite 103, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was identified with permits as a conditionally exempt small quantity generator of hazardous waste and a handler of hazardous materials. Wastes generated at the site include off-specification aged or surplus organics and unspecified organic liquid mixture. The generated wastes are reportedly transported offsite for disposal by an outside contractor. No releases were reported for this facility. Based on the regulatory oversight, the offsite removal of the generated wastes, and the absence of a documented release, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as an EDR Hist Auto site in the regulatory database report, as discussed below:

- The property, identified as Goolsby's Transmission at 1245 North Fitzgerald Avenue, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was identified as an automotive transmission repair shop from approximately 2004-2008. No additional information was provided. Based on the short duration of occupancy, and the lack of a reported release or violation, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as a RCRA NonGen/NLR site in the regulatory database report, as discussed below:

- The property, identified as Classified Complete Auto Repair at 1285 North Fitzgerald Avenue Unit F, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was identified with active permits as a hazardous materials handler and a small quantity generator of hazardous wastes. The facility was also identified as a non-generator of hazardous wastes as of 2018, with no violations found and no releases reported. Based on the status as a non-generator, the lack of violations and lack of a reported release, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west-northwest is identified as a RCRA NonGen/NLR site in the regulatory database report, as discussed below:

- The property, identified as KT Auto LLC DBA Hi Rev at 1285 North Fitzgerald Avenue, Suite I, is located adjacent to the west-northwest and situated hydrologically up-gradient of the subject property. This site was verified as a non-generator of hazardous wastes as of September 2018, with no violations found and no reported release. Based on the status as a non-generator, the absence of a documented release, and the lack of violations reported, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west-northwest is identified as a RCRA NonGen/NLR site in the regulatory database report, as discussed below:

- The property, identified as Compressor Component Parts Co Inc at 1325 North Fitzgerald, is located adjacent to the west-northwest and situated hydrologically up-gradient of the subject property. This site was verified as a non-generator of hazardous wastes as of September 2018, with no violations found and no reported release. Based on the status as a non-generator, the lack of a reported release, and the lack of violations reported, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west-northwest is identified as a RCRA NonGen/NLR, San Bernardino Co. Permit, and CERS site in the regulatory database report, as discussed below:

- The property, identified as Guadalajara's Auto Repair at 1345 North Fitzgerald Avenue, Unit A, is located adjacent to the west-northwest and situated hydrologically up-gradient of the subject property. This site was identified with permits as a conditionally exempt small quantity generator of hazardous wastes and a hazardous materials handler. According to the CERS database, violations were noted in 2014 and 2020, but were subsequently returned to compliance. The facility was also identified as a non-generator of hazardous wastes as of 2018, with no violations found and no releases reported. Based on the status as a non-generator, the lack of violations and lack of a reported release, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west-northwest is identified as a RCRA NonGen/NLR site in the regulatory database report, as discussed below:

- The property, identified as Si Nor Inc at 1345 Fitzgerald Avenue, Suite F, is located adjacent to the west-northwest and situated hydrologically up-gradient of the subject property. This facility was identified as a non-generator of hazardous wastes as of September 2000 with no violations reported and no documented release. Based on the status as a non-generator, the lack of violations found, and the absence of a documented release, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west-northwest is identified as a RCRA NonGen/NLR site in the regulatory database report, as discussed below:

- The property, identified as Auto Mission L&R at 1345 North Fitzgerald Unit B, is located adjacent to the west-northwest and situated hydrologically up-gradient of the subject property. This site was verified as a non-generator of hazardous wastes as of September 2018, with no violations found and no reported release. Based on the status as a non-generator, the lack of a reported release, and the lack of violations reported, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as a San Bernardino Co. Permit and CERS site in the regulatory database report, as discussed below:

- The property, identified as DFR at 1345 North Fitzgerald Ave, Unit D, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was identified with permits as a conditionally exempt small quantity generator of hazardous wastes and a hazardous materials handler. According to the CERS database, violations were noted in 2015 and 2018, but were subsequently returned to compliance. Based on the lack of open violations and lack of a reported release, this site is not expected to represent an environmental concern to the subject property, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as a San Bernardino Co. Permit site in the regulatory database report, as discussed below:

- The property, identified as Unitech Auto Repair at 1345 North Fitzgerald Ave, Unit E, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was as an inactive facility that maintained a permit as a conditionally exempt small quantity generator of hazardous wastes with no violations. Based on the lack of open violations and lack of a reported release, this site is not expected to represent an environmental concern to the subject property, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as a San Bernardino Co. Permit and CERS site in the regulatory database report, as discussed below:

- The property, identified as Dynamic Powder Coating at 1265 North Fitzgerald Ave, Unit A, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was identified with a permit for hazardous materials handling which reportedly expired in 2010; however, the status is identified as active, with no releases reported. According to the CERS database, violations were noted in 2016, 2017, and 2019, but were subsequently returned to compliance. Based on the lack of open violations, regulatory oversight, and lack of a reported release, this site is not expected to represent an environmental concern to the subject property and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

The adjacent property to the west is identified as a San Bernardino Co. Permit site in the regulatory database report, as discussed below:

- The property, identified as AT&T California-LB2FA at 1243 East Fitzgerald Avenue, is located adjacent to the west and situated hydrologically up-gradient of the subject property. This site was identified with a permit as a hazardous materials handler, which reportedly expired in January 2021; however, the status is listed as active. No releases and no violations were reported. Based on the regulatory oversight and the lack of a reported release or violation, this site is not expected to represent an environmental concern to the subject property, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

Based on the findings, vapor migration is not expected to represent an environmental concern at this time.

4.2.4 Sites of Concern Listings

The property to the east-southeast is identified as a LUST and CPS-SLIC site in the regulatory database report, as discussed below:

- The property, identified as West San Bernardino County Water District and West Valley Water District-Cactus Dump at 855 West Baseline Road, is located less than 1/8-mile to the southeast of the subject property, across West Baseline Road, in an inferred hydrologically down-gradient position. This site reported a release of hazardous levels of soluble lead on January 29, 1993, which reportedly impacted soil only. The release occurred as a result of former operations at the site as a dump and burn site. The site was over-excavated and impacted soils were transported to an approved facility for disposal. The case was granted regulatory closure on July 23, 2012. Additionally, this site reported a release of gasoline on March 12, 2003, which reportedly impacted soil only. The release was discovered during the removal of a 5,000-gallon UST. Soil sampling indicated that contamination was localized and limited in extent and did not pose a threat to groundwater, public health, or the environment. The site was granted regulatory closure on August 20, 2003. Based on the media (i.e., soil) impacted, the subsequent removal of contaminated soil, the regulatory closures, and the inferred direction of groundwater flow, this site is not expected to represent an environmental concern to the subject property.

- Although not listed in the EDR database report, the subject property is located within an area of groundwater contamination that originated at a 160-acre site bounded by Casa Grande Drive to the north, Summit Avenue to the south, North Locust Avenue to the east, and Alder Avenue to the west. This site is situated approximately 2 miles to the northwest (i.e., presumed upgradient) of the subject property and includes a six-mile long area of groundwater contamination downgradient of the 160-acre area. The site was previously used by defense contractors, fireworks manufacturers, and other businesses including West Coast Loading Corporation, B.F. Goodrich Corporation, Pyrotronics, Pyro Spectaculars, and American Promotional Events. These companies handled perchlorate salts and other hazardous chemicals and disposed of chemical wastes on the facility, contaminating the groundwater supply. Site investigations and cleanup in the area are ongoing.

  The California Regional Water Quality Control Board (RWQCB) led initial efforts to respond to the contamination. The EPA added the site to the Superfund program's National Priorities List (NPL) in September 2009. The Goodrich Corporation, Emhart Industries (a corporate successor to West Coast Loading Corporation), Pyro Spectaculars, American Promotional Events, and others have entered into agreements with EPA to pay for cleanup work at the site. The EPA selected the "Source Area Operable Unit" groundwater remedy in September 2010. The selected remedy is a groundwater pump-and-treat system intended to intercept and remove contaminated groundwater from the 160-acre source area. The 160-acre source area is the location where most or all of the contaminants entered the groundwater and testing has identified the highest levels of groundwater contamination. The "Source Area Operable Unit" groundwater remedy was designed in 2013 and 2014 and constructed between 2015 and 2020. It includes a new groundwater extraction well; water treatment systems that make use of liquid-phase granular activated carbon (LGAC) to remove trichloroethene (TCE) and other volatile organic compounds (VOCs) from the extracted groundwater, and ion exchange to remove perchlorate from the extracted groundwater; pipelines and pumps to convey the treated water from the treatment plant to the City of Rialto's water distribution system for use as drinking water supply; and a groundwater monitoring program.

  It is expected that a second groundwater cleanup remedy will be needed to address contaminated groundwater in the "mid-basin" area which has moved past (i.e., downgradient of) the Source Area remedy. To provide information needed to support that decision, EPA completed testing between 2008 and 2012 and entered into an agreement with the Goodrich Corporation to complete additional testing and engineering evaluations as part of a second remedial investigation and feasibility study for the site. Eleven multi-level groundwater monitoring wells were installed and tested between 2013 and 2019. Testing of the groundwater is ongoing. This work is an area known as the "Mid-basin Operable Unit,". According to the EPA First Five Year Review Report (2020) for the site. The remedy has been implemented by expanding an existing water treatment system at an adjacent state-led cleanup site. A new groundwater extraction well, new liquid-phase granular activated carbon and ion exchange water treatment systems, and new pipelines were constructed. A cleanup proposal for the mid-basin groundwater is also expected in late 2020 or early 2021.

The EPA has identified the following parties as PRPs at the site: - Goodrich Corporation, Emhart Industries (on behalf of West Coast Loading Corporation), Pyro Spectaculars Inc. (PSI), Ken Thompson Inc. (current property owner), The estate of Chung Ming Wong (current property owner), Pyrotronics, Inc. ("Pyrotronics") and Harry Hescox.

According to online information, no monitoring wells for this plume are located on the subject property and depth to groundwater is between 300 to 350 feet below ground surface. In addition, due to the fact that the EPA is currently taking action at this site and has identified the responsible parties involved, it is unlikely that the owner of the subject property would be required to financially participate in the cleanup of any subsurface contamination that originated at this NPL site. Vapor intrusion is not a concern due to the depth to groundwater. Based on the ongoing remedial actions and regulatory oversight by the EPA, the identification of responsible parties, and the depth to groundwater, this site is not expected to represent an environmental concern to the subject property at this time.

Based on the findings, vapor migration is not expected to represent an environmental concern at this time.

4.2.5 Orphan Listings

No orphan listings are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Crow Holdings-Industrial (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
AAI User Questionnaire		**X**		
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property since 2008, identified as Oakmont Rialto Olive Grove LLC, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

A key site manager was not provided to be interviewed at the time of this assessment.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, LFR Inc. (November 14, 2007)

LFR Inc. (LFR) prepared this report on behalf of Oakmont Industrial Group. The assessment was performed in accordance with ASTM Standard E1527-05. The assessment consisted of a site reconnaissance, review of historical information, and a review of federal, state, and local regulatory databases. Pertinent information contained in this report is summarized below:

- At the time of the 2007 assessment, the subject property was vacant land.
- According to the LFR report, the subject property has been vacant land since the mid-1960s and was developed as agricultural between the mid-1930s and the mid-1960s.
- No current or former ASTs or USTs, pits, ponds, or sumps were identified by LFR on the subject property.
- LFR reported a pile of Megaplex X Grease 2 14-ounce containers near the northeast corner of the subject property, with no surface staining observed. Other non-hazardous debris was reported to be scattered throughout the site such as plastic, glass, tires, paper, fabric, and a couch.
- Additionally, LFR reportedly observed soil piles 5 to 6 feet high on the east side of the subject property boundary.
- According to the LFR report, the property owner had allowed a developer (Shea Homes) to dispose of excess soil on the subject property generated during their construction of a nearby residential development. The Shea Homes site was determined to be a prior agricultural site. As such, four soil samples were collected and analyzed for organochlorine pesticides. According to the report, "no pesticides were detected at concentrations above the U.S. Environmental Protection Agency (EPA) Preliminary Remediation Goal (PRG) for a residential scenario. Based on these analytical results, it does not appear that the onsite soil mounds represent an environmental concern for the Site."
- According to the 2007 report, no regulatory records were available for the subject property.

LFR identified no RECs and recommended no further investigation.

Copies of pertinent pages reviewed are not included in Appendix B.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details.

Site Assessment Data	
Site Assessment Performed By:	Cheryl Manuel
Site Assessment Conducted On:	June 8, 2021

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Partner observed the presence of general trash and debris (glass, paper, and plastic) scattered about the subject property. No evidence of environmentally sensitive debris was observed.

6.1.2 Sewage Discharge and Disposal

As the subject property has never been improved, no sewage or disposal systems are expected to be present and none were observed.

6.1.3 Surface Water Drainage

As the subject property is unimproved and unpaved vacant land, storm water percolates into the soil.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

A copy of the wetland map is included in Appendix B.

6.1.4 Source of Heating and Cooling

No heating or cooling systems are present on the subject property.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

No domestic wastewater is generated at the subject property. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

Several piles of soil approximately 5 feet high were observed onsite, near the eastern boundary of the subject property. According to the site contact, Mr. Reuben Zepeda, the soil piles have been there since at least 2017. Additionally, it was reported that a homeless encampment occupied the site last year, and the occupants were digging on the site creating newer soil piles. According to the 2007 LFR Phase I ESA prepared for the subject property, the property owner had allowed a developer (Shea Homes) to dispose of excess soil on the subject property generated during their construction of a nearby residential development. The Shea Homes site was reportedly determined to be a prior agricultural site. As such, four soil samples were collected from the development site and analyzed for organochlorine pesticides. According to the report, no pesticides were detected at concentrations above the U.S. Environmental Protection Agency (EPA) Preliminary Remediation Goal (PRG) for a residential scenario. Documentation regarding the fill material was not appended to the 2007 LFR Phase I ESA or provided for Partner's review at the time of the assessment. However, based on the reported origin and quality of materials placed on the subject property, the onsite soil piles are not expected to represent an environmental concern to the subject property.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains, or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (e.g., transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent, or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps, and Clarifiers

No drains, sumps, or clarifiers were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation, other than lack of water, was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Due to the vacant, unimproved state of the subject property, ACMs were not considered within the scope of this assessment.

6.3.2 Lead-Based Paint (LBP)

Due to the vacant, unimproved state of the subject property, LBP was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Veolia North America, under contract with Rialto Water Services (RWS), serves the subject property vicinity. The sources of public water for Rialto are 86 percent from groundwater basins and 14 percent from surface water. According to the RWS and the 2019 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Due to the vacant, unimproved state of the subject property, mold was not considered within the scope of this assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises.

6.4.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

Several industrial sites, including automotive repair shops, were observed adjacent west of the subject property. These sites were identified on the regulatory database report and are further discussed in Section 4.2.3.

No other items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards

7.0 FINDINGS AND CONCLUSIONS

Findings

A *REC* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.

- Partner did not identify any RECs during the course of this assessment.

A *CREC* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Partner did not identify any CRECs during the course of this assessment.

A *HREC* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

- Partner did not identify any HRECs during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following concerns were identified during the course of this assessment:

- The subject property parcel was historically used for agricultural purposes from the late 1930s until sometime in the 1960s. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. Future development of the subject property would likely involve either paving over or covering by building structures that minimize direct contact to any potential remaining concentrations in the soil. Additionally, during previous site development activities, near surface soils (where residual agricultural chemical concentrations would have most likely been present, if at all) would likely be mixed with fill material or be disturbed during grading. Also, during development it is common that engineered fill material is placed over underlying soils as part of the development activities. These additional activities serve to further reduce the potential for exposure to residual agricultural chemicals (if any). Based on these reasons, Partner concludes that the former use of agricultural chemicals at the subject property is not expected to represent an environmental concern at this time.
- Several piles of soil approximately 5 feet high were observed onsite, near the eastern boundary of the subject property. According to the site contact, Mr. Reuben Zepeda, the soil piles have been there since at least 2017.

- Additionally, it was reported that a homeless encampment occupied the site last year, and the occupants were digging on the site creating newer soil piles. According to the 2007 LFR Phase I ESA prepared for the subject property, the property owner had allowed a developer (Shea Homes) to dispose of excess soil on the subject property generated during their construction of a nearby residential development. The Shea Homes site was reportedly determined to be a prior agricultural site. As such, four soil samples were collected from the development site and analyzed for organochlorine pesticides. According to the report, no pesticides were detected at concentrations above the U.S. EPA PRG for a residential scenario. Documentation regarding the fill material was not appended to the 2007 LFR Phase I ESA or provided for Partner's review at the time of the assessment. However, based on the reported origin and quality of materials placed on the subject property, the onsite soil piles are not expected to represent an environmental concern to the subject property.

- The subject property is located within an area of groundwater contamination that originated at a 160-acre site bounded by Casa Grande Drive to the north, Summit Avenue to the south, North Locust Avenue to the east, and Alder Avenue to the west. This site is situated approximately 2 miles to the northwest (i.e., presumed upgradient) of the subject property and includes a six-mile long area of groundwater contamination downgradient of the 160-acre area. The site was previously used by defense contractors, fireworks manufacturers, and other businesses including West Coast Loading Corporation, B.F. Goodrich Corporation, Pyrotronics, Pyro Spectaculars, and American Promotional Events. These companies handled perchlorate salts and other hazardous chemicals and disposed of chemical wastes on the facility, contaminating the groundwater supply. Site investigations and cleanup in the area are ongoing.

  The California RWQCB led initial efforts to respond to the contamination. The EPA added the site to the Superfund program's NPL in September 2009. The Goodrich Corporation, Emhart Industries (a corporate successor to West Coast Loading Corporation), Pyro Spectaculars, American Promotional Events, and others have entered into agreements with EPA to pay for cleanup work at the site. The EPA selected the "Source Area Operable Unit" groundwater remedy in September 2010. The selected remedy is a groundwater pump-and-treat system intended to intercept and remove contaminated groundwater from the 160-acre source area. The 160-acre source area is the location where most or all of the contaminants entered the groundwater and testing has identified the highest levels of groundwater contamination. The "Source Area Operable Unit" groundwater remedy was designed in 2013 and 2014 and constructed between 2015 and 2020. It includes a new groundwater extraction well; water treatment systems that make use of LGAC to remove TCE and other VOCs from the extracted groundwater, and ion exchange to remove perchlorate from the extracted groundwater; pipelines and pumps to convey the treated water from the treatment plant to the City of Rialto's water distribution system for use as drinking water supply; and a groundwater monitoring program.

It is expected that a second groundwater cleanup remedy will be needed to address contaminated groundwater in the "mid-basin" area which has moved past (i.e., downgradient of) the Source Area remedy. To provide information needed to support that decision, EPA completed testing between 2008 and 2012 and entered into an agreement with the Goodrich Corporation to complete additional testing and engineering evaluations as part of a second remedial investigation and feasibility study for the site. Eleven multi-level groundwater monitoring wells were installed and tested between 2013 and 2019. Testing of the groundwater is ongoing. This work is an area known as the "Mid-basin Operable Unit,". According to the EPA First Five Year Review Report (2020) for the site. The remedy has been implemented by expanding an existing water treatment system at an adjacent state-led cleanup site. A new groundwater extraction well, new liquid-phase granular activated carbon and ion exchange water treatment systems, and new pipelines were constructed. A cleanup proposal for the mid-basin groundwater is also expected in late 2020 or early 2021.

The EPA has identified the following parties as PRPs at the site: - Goodrich Corporation, Emhart Industries (on behalf of West Coast Loading Corporation), PSI, Ken Thompson Inc. (current property owner), The estate of Chung Ming Wong (current property owner), Pyrotronics, Inc. ("Pyrotronics") and Harry Hescox.

According to online information, no monitoring wells for this plume are located on the subject property and depth to groundwater is between 300 to 350 feet below ground surface. In addition, due to the fact that the EPA is currently taking action at this site and has identified the responsible parties involved, it is unlikely that the owner of the subject property would be required to financially participate in the cleanup of any subsurface contamination that originated at this NPL site. Vapor intrusion is not a concern due to the depth to groundwater. Based on the ongoing remedial actions and regulatory oversight by the EPA, the identification of responsible parties, and the depth to groundwater, this site is not expected to represent an environmental concern to the subject property at this time.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of Northside of Baseline Road, West of Cactus Avenue in Rialto, San Bernardino County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs, CRECs, or HRECs in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment and the continued future industrial use of the subject property, no further action is warranted at this time.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at Northside of Baseline Road, West of Cactus Avenue in Rialto, San Bernardino County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

DRAFT

Cheryl Manuel
Project Scientist

Reviewed By:

DRAFT

Michael Emilio
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Air Quality Management District (AQMD), accessed via the internet, June 2021

California Department of Conservation (DOC) Geologic Energy Management Division (CalGEM), accessed via the internet, June 2021

California Department of Toxic Substances Control (DTSC) and Hazardous Waste Tracking System (HWTS), accessed via internet, June 2021

California Environmental Protection Agency (CalEPA), accessed via internet, June 2021

Environmental Data Resources (EDR), Radius Report, June 2021

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, June 2021

Rialto Building Division (RBD), accessed via internet, June 2021

Rialto Planning Department (RPD), accessed via internet, June 2021

San Bernardino County Fire Protection District-Hazardous Materials Division (SBCFPD-HMD), accessed via email, June 2021

San Bernardino County Property Information Management System (SBC PIMS), accessed via internet, June 2021

State Water Resources Control Board (SWRCB), accessed via the internet, June 2021

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, June 2021

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, June 2021

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, June 2021

United States Geological Survey, accessed via the Internet, June 2021

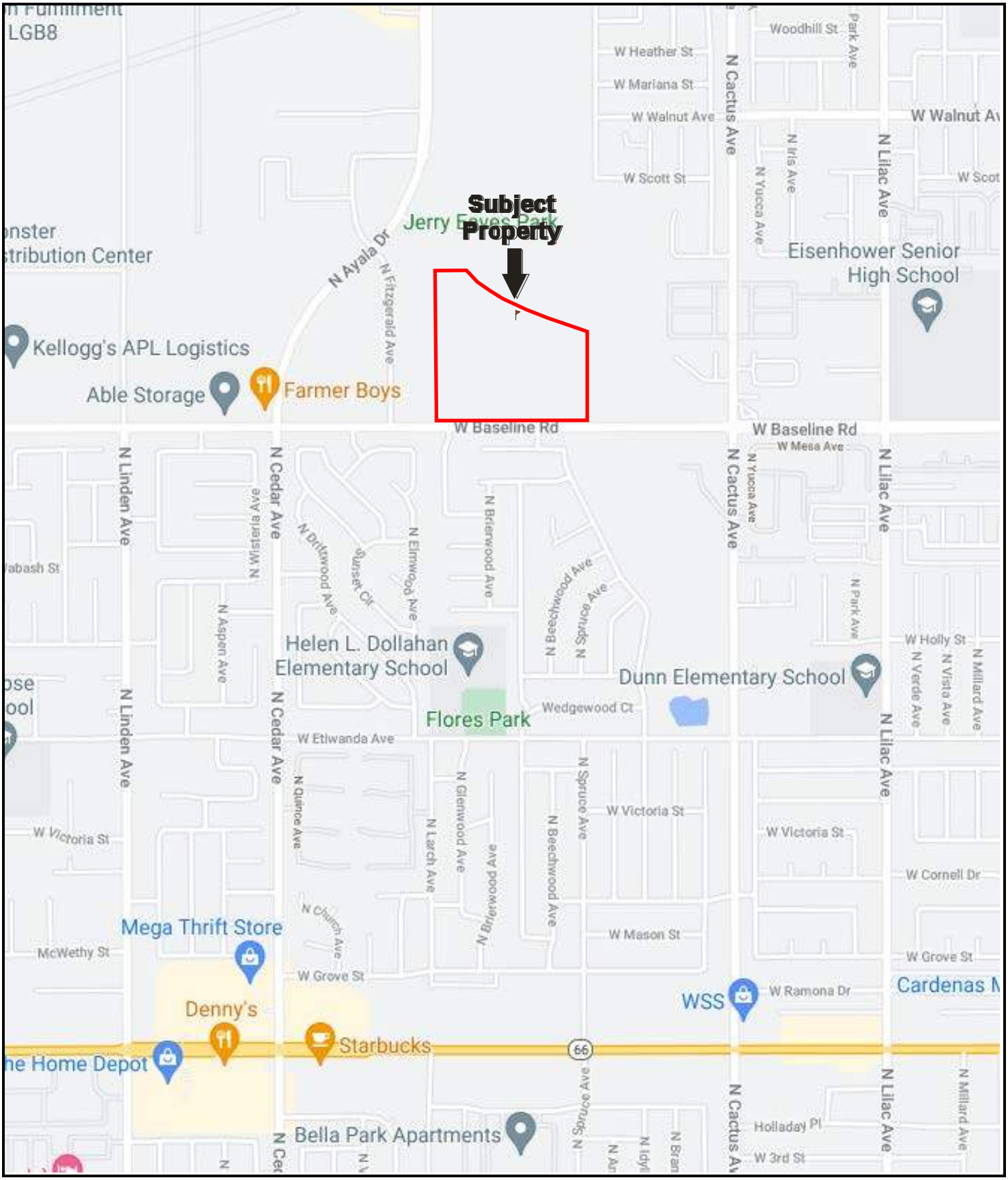
United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, June 2021

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP



N

Drawing Not To Scale

KEY:
Subject Property

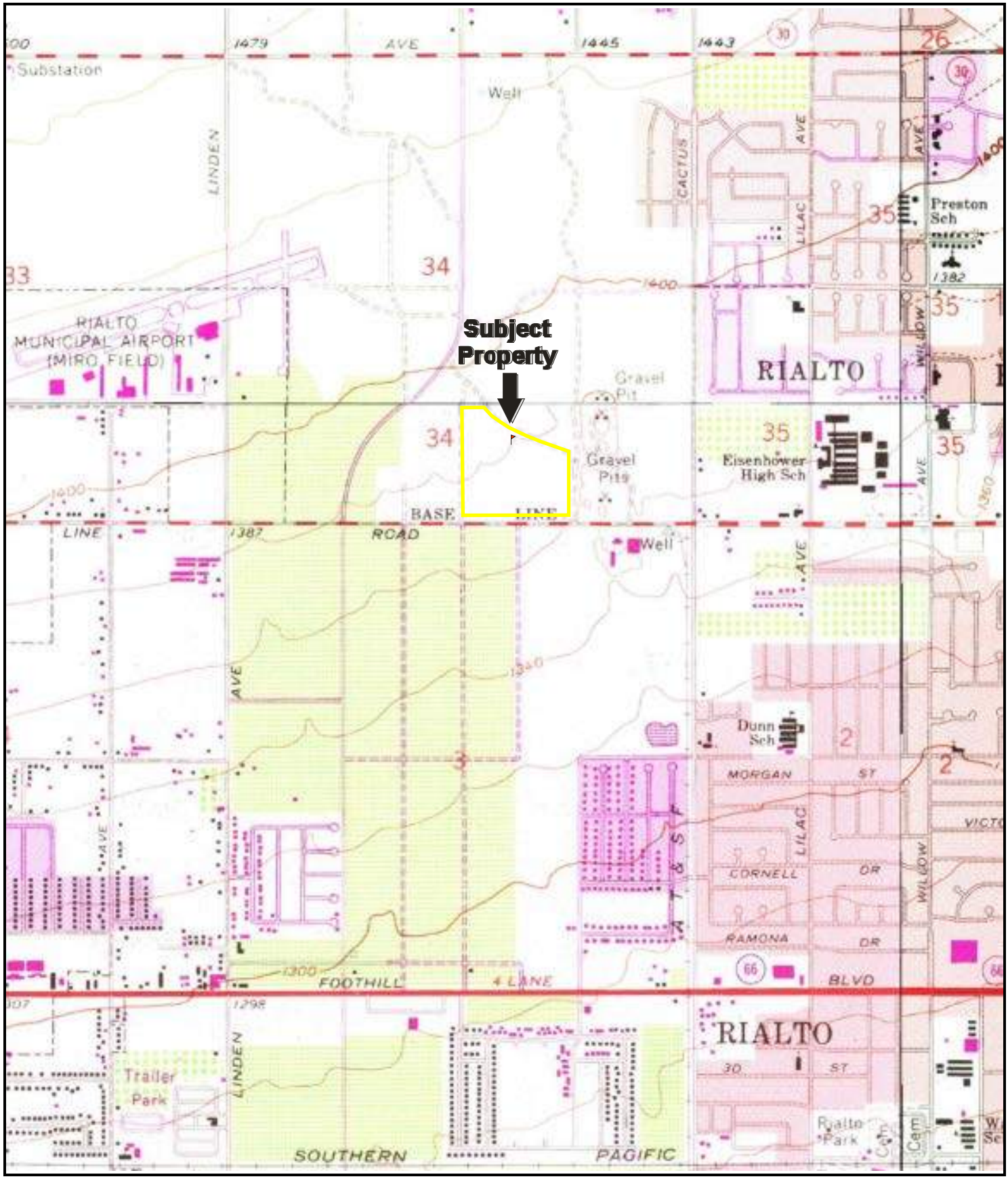
FIGURE 1: SITE LOCATION MAP
Project No. 21-322623.1

PARTNER

FIGURE 2: SITE PLAN

Project No. 21-322623.1

PARTNER



N

USGS 7.5 Minute *Fontana, California* Quadrangle
Created: 1978/Revised: 1980

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 21-322623.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

1. View of the subject property looking north across West Baseline Road

2. View of the subject property looking northeast across West Baseline Road

3. View of the subject property looking northwest across West Baseline Road

4. View of the eastern border of the subject Property facing northwest on Baseline Road

5.View of the western border of the subject Property facing north on Baseline Road

6. View of soil piles near the east perimeter of the subject property

7. View of additional soil piles near the east perimeter of the subject property

8. View of the east adjacent basin from the subject property

9. View of the subject property looking west from the east perimeter

10. View of the subject property near the north perimeter facing east

11. View at the northeast corner intersecting with the park and the flood control site

12. View of the northern border of the subject property, beyond which is a park

13. View of the subject property looking south from the northern border

14. Additional view of the northern border facing west

15. View from the middle of the subject property facing north

16. View from the middle of the subject property facing south

17. View of the northwest corner of the subject property

18. View of the northwest perimeter of the subject property

19. View of the west perimeter of the subject property

20. View of the subject property facing south from the west perimeter of the subject property

21. View of the southwest perimeter of the subject property

22. View of the west perimeter looking northwest near the southern border of the subject property

23. View of the subject property from the west perimeter looking east

24. View of the north adjacent property facing southeast at the park

25. View of the south adjacent residences looking south across Baseline Road

26. View of the east adjacent property facing northeast on Baseline Road

27. View of the southeast flood control channel facing south on Baseline Road

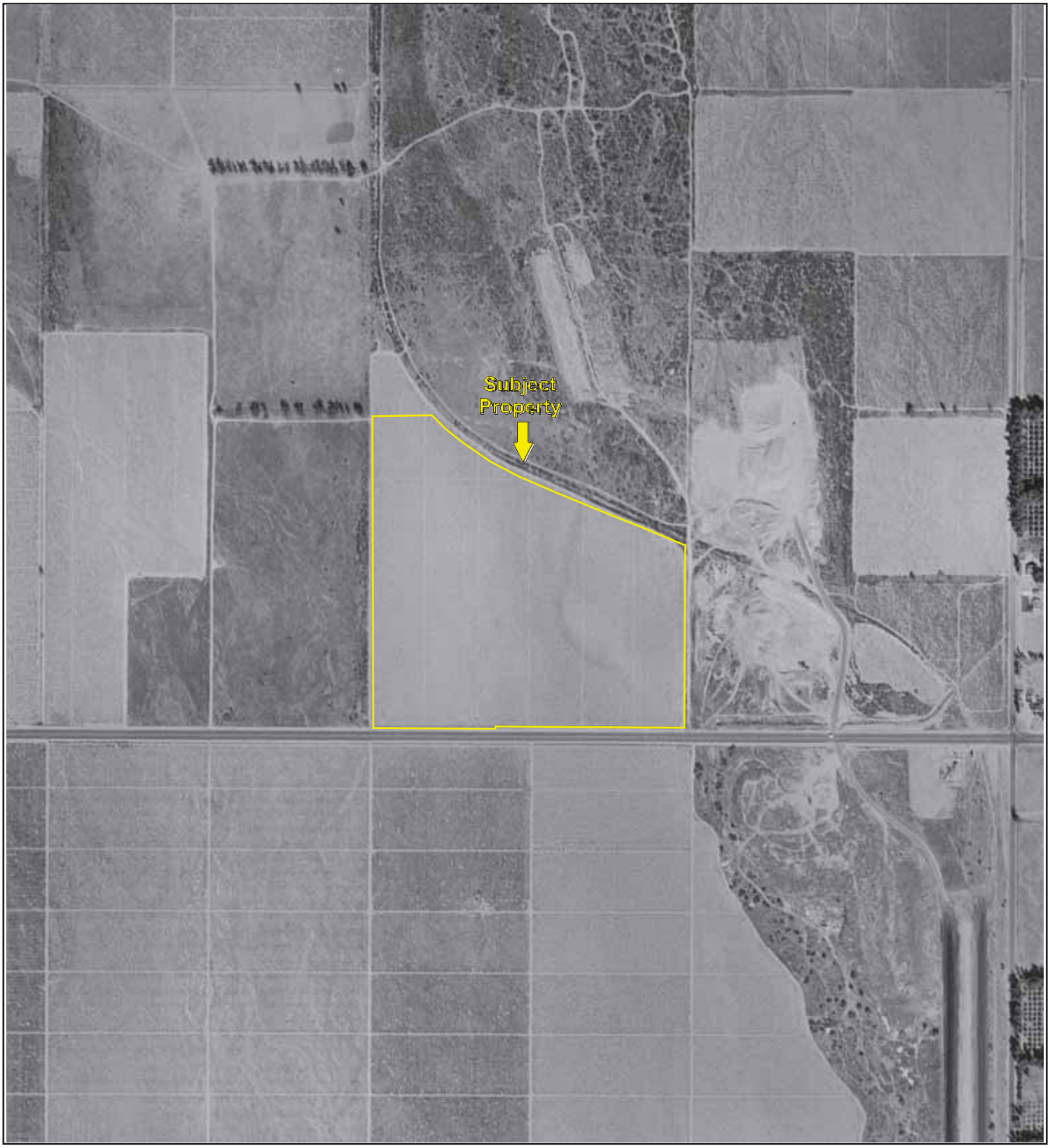
28. View of the west adjacent commercial and vacant sites facing north on Baseline Road

29. View of west adjacent site facing west on North Fitzgerald Avenue

30. View of west-northwest adjacent site facing west on North Fitzgerald Avenue

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER



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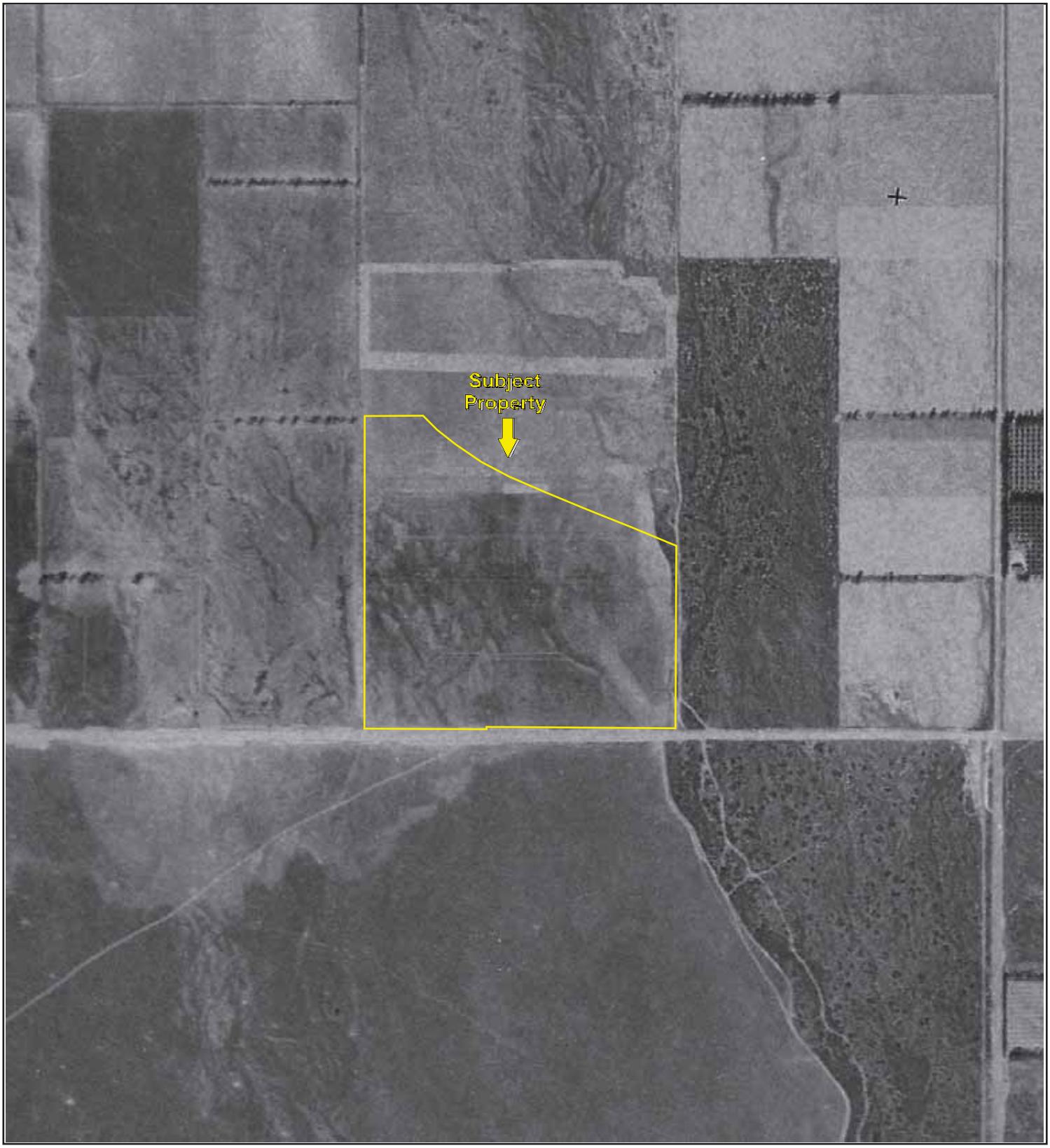

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Key: Subject Property

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Key: Subject Property

Prisa Portfolio - Olive Grove

Northside of Baseline Road, West of Cactus Avenue

Rialto, CA 92376

Inquiry Number: 6521947.3

June 03, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/03/21

Site Name:

Prisa Portfolio - Olive Grove
Northside of Baseline Road, W
Rialto, CA 92376
EDR Inquiry # 6521947.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Evelyn Perez

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Certified Sanborn Results:

Certification # 063A-462B-8F1E

PO # 21-322623.1

Project 21-322623.1

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 063A-462B-8F1E

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Prisa Portfolio - Olive Grove
Northside of Baseline Road, West of Cactus Avenue
Rialto, CA 92376

Inquiry Number: 6521947.5
June 10, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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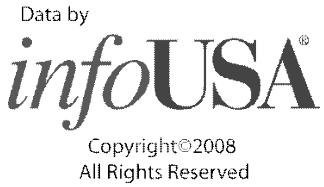


RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1985	☑	☑	Haines Criss-Cross Directory
1980	☑	☑	Haines Criss-Cross Directory
1976	☑	☑	Haines Criss-Cross Directory
1971	☑	☑	Haines Criss-Cross Directory
1965	☐	☐	Luskey City Directory
1942	☐	☐	San Bernardino Directory Company

FINDINGS

TARGET PROPERTY STREET

Northside of Baseline Road, West of Cactus Avenue
Rialto, CA 92376

Year	*CD Image*	*Source*	
W BASE LINE RD			
2017	pg A4	EDR Digital Archive	
2014	pg A10	EDR Digital Archive	
2010	pg A16	EDR Digital Archive	
2005	pg A23	EDR Digital Archive	
2000	pg A28	EDR Digital Archive	
1995	pg A33	EDR Digital Archive	
1992	pg A38	EDR Digital Archive	
1985	pg A42	Haines Criss-Cross Directory	
1980	pg A45	Haines Criss-Cross Directory	
1976	pg A47	Haines Criss-Cross Directory	
1971	pg A49	Haines Criss-Cross Directory	
1965	-	Luskey City Directory	Target and Adjoining not listed in Source
1942	-	San Bernardino Directory Company	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
AYALA DR			
2005	pg. A18	EDR Digital Archive	
2000	pg. A25	EDR Digital Archive	
1995	pg. A30	EDR Digital Archive	
1992	pg. A35	EDR Digital Archive	
N AYALA DR			
2017	pg. A1	EDR Digital Archive	
2014	pg. A6	EDR Digital Archive	
2010	pg. A12	EDR Digital Archive	
1985	pg. A39	Haines Criss-Cross Directory	
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1965	-	Luskey City Directory	Street not listed in Source
1942	-	San Bernardino Directory Company	Street not listed in Source
N CACTUS AVE			
2017	pg. A2	EDR Digital Archive	
2014	pg. A7	EDR Digital Archive	
2010	pg. A13	EDR Digital Archive	
2005	pg. A19	EDR Digital Archive	
2000	pg. A26	EDR Digital Archive	
1995	pg. A31	EDR Digital Archive	
1992	pg. A36	EDR Digital Archive	
1985	pg. A40	Haines Criss-Cross Directory	
1980	pg. A43	Haines Criss-Cross Directory	
1980	pg. A44	Haines Criss-Cross Directory	
1976	pg. A46	Haines Criss-Cross Directory	
1971	pg. A48	Haines Criss-Cross Directory	
1965	-	Luskey City Directory	Target and Adjoining not listed in Source
1942	-	San Bernardino Directory Company	Target and Adjoining not listed in Source

FINDINGS

Year	CD Image	Source	
N FITZGERALD AVE			
2017	pg. A3	EDR Digital Archive	
2014	pg. A9	EDR Digital Archive	
2010	pg. A15	EDR Digital Archive	
2005	pg. A21	EDR Digital Archive	
2000	pg. A27	EDR Digital Archive	
1995	pg. A32	EDR Digital Archive	
1992	pg. A37	EDR Digital Archive	
1985	pg. A41	Haines Criss-Cross Directory	
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1965	-	Luskey City Directory	Street not listed in Source
1942	-	San Bernardino Directory Company	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N AYALA DR 2017

1230	RIALTO CAR WASH
1436	ATZ GLASS DESIGNS
	AYALA SMOG
	EMPIRE STEERING COLUMNS
	INLAND JEEP
	MONTES REUPHOLSTERY
	MONTES, MARTIN
	ROMAN TINT
	UNITECH AUTO REPAIR
1480	JEFFREY A CRESWELL DVM
	RIALTO ANIMAL HOSPITAL INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2017

145	ARKENBURG, HOWARD E
160	NA MANAGEMENT GROUP
343	MARROQUIN, CARLOS
	MENDEZ, JOEY M
381	MARTIN, MICHAEL D
855	RAMIREZ, EFRAIN D
937	EHLENFELDT, GREGORY J
957	CROSSROADS CHRISTIAN CENTER
1033	AGUILAR, ALAN A
	BARRAGAN, MARGARITO
	BETANCOURT, MARCO
	BIBB, JEROMY N
	CACTUS GROVE APARTMENTS
	CASTANEDA, FRANCISCO
	CASTANEDA, JOEL
	CASTANEDA, JOVITA
	DELUNA, MAYRA
	DIAZ, ENEDINA
	EDDINGS, FLOYD
	ESPITIA, JOSE R
	GARCIA, OSMAN
	GURROLA, ALEJANDRO
	GUTIERREZ, TERESA
	HAINES, CORRIE
	HEMINGWAY, TEIASHA R
	HERNANDEZ, ALEJANDRO
	HERNANDEZ, OSCAR
	HERRERA, IGNACIO C
	HERRING, ELICIA
	HOLZER, THOMAS
	JOHNSON, CEDRIC J
	LEININGER, MARK
	MARENTES, OLIVERIO C
	MUHAMMAD, SARA V
	MUNOZ, JACQUELINE A
	ORNELAS, HUGO S
	OWEN, STEVEN R
	PEROD, MARK
	POPOOLA, OGUNLEYE
	ROMERO, EDWARD M
	SANTOS, DAVID
	SINOHUE, CHRISTINE M
	VICTORIO, LUISITO
	WILLIAMS, AARON
	ZARAGOZA, ANGELES
1231	CHAVARRIA, JUAN
	DONUT DELICOUS COFEY SHOP
	ROYAL H ARI SALON
	SERMENO, DIXI
1295	TUDUR, NICHOLAS A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 2017

1240	A QUALITY TRANSMISSIONS
	HARRIGANS TOILETS PARTITIONS
	JUMP N JUMP RENTAL & SALES
	JUMPNJUMP
	KASCH SIGN DESIGNS
	ORTEGAS FURNITURE
	TZI AUTO SERVICE TECHNICIAN
	WATER DEPOT
1245	KASCH DESIGNS
	KASCH GRAPHICS
1260	A & J AUTO REPAIR
	CALIPER AUTO PARTS & SUPPLIES
	HECTORS SMOG CHECK
	TWISTED IMAGES
1265	EMPIRE DOORS & TRIMS
	HARRIS, NICOLE
1280	FUNCO INC
	TWISTED IMAGES
1285	GARCIA, MARIO
	IPEC GLOBAL INC
1325	COMPRESSOR COMPONENT PARTS
1345	ARS DENTAL INC
	GUADALAJARAS AUTO REPAIR
	HATZAKORTZIAN DENTAL LAB INC
1462	WESTPAC RESTORATION INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2017

111	MCDONALDS
120	GAMESTOP
	SPEEDY CASH
	TMOBILE
122	LIBERTY TAX SERVICE
134	BOOST MOBILE
141	SAVE & TELL CORPORATION
142	HIS WAY SPIRIT LED ASSEMLIES
150	CHINA DOLL RESTAURANT INC
	DOLLAR VIDEO
	SUBWAY
151	FRED LOYA INSURANCE
	SUPERIOR GROCERS
	WELLS FARGO BANK
154	TIGI BEAUTY SUPPLY
160	FRANCIS NAILS
166	DOLLAR VIDEO
170	BANK OF AMERICA
172	YOHOAS BARBER & BEAUTY
182	RAINBOW
190	SPRINT
210	DDS DISCOUNTS
211	CVS PHARMACY
212	99 CENTS ONLY STORES
216	LARACH INSURANCE SERVICES INC
222	SMOKE 4 LESS
228	SANTA CRUZ DENTAL
236	CHO JUNG MI
240	TACO BELL
241	AUTOZONE
244	FAMILY FISH MARKET
247	DRIVING SCHOOL MAS
252	STYLISH HONEY EYEBROW
260	PIZZA HUT
264	FRED LOYA INSURANCE
271	FAMILY DOLLAR
280	SAN PABLO MEDICAL CLINIC
291	BAKERS SHOES
300	TMOBILE
	WALMART NEIGHBORHOOD MARKET
461	DOMINOS PIZZA
463	THE DONUT PALACE
469	BASELINE DENTAL CARE
	SAMIR SHAH DDS
473	BASELINE LAUNDROMAT
477	CLASSIC MASSAGE
481	QUICK STOP
	UHAUL
620	LA PETITE ACADEMY
	LA PETITE ACADEMY IN RIALTO CA

W BASE LINE RD 2017 (Cont'd)

630	MR PEPES BURGERS
648	HAIR KRAZE BARBER & BEAUTY
658	JIMMYS FOOD STORE
678	TROY MORTGAGE
688	76
	7ELEVEN
	CIRCLE K
855	WEST VALLEY WATER DISTRICT
1238	CUBESMART SELF STORAGE
1244	HAIR CHIC
	L & L NAIL SPA
	LETICIA ZAVALA INSURANCE
	SUBWAY
1276	7ELEVEN
1310	FARMER BOYS
1320	POPEYES CHICKEN
1348	ABLE STORAGE
1606	VITA, JOE
1642	JOHNS, LILA D
1660	DIAZ, LETICIA
1920	LIBERTY PROPERTY TRUST
2182	WALKER, DWAYNE
2374	LOPEZ, JOSEFINA
	NAZAS CONSTRUCTION
2430	RICH, REMONDA D
2524	RICO, JESSICA
2538	FOWLER, TENNIE E
2596	OROZCO, JAVIER
2644	MARTINEZ, RALPH W
2646	BURGE, LAMONT
2656	WOOLEY, REESE A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N AYALA DR 2014

1230	RIALTO CAR WASH
1436	ATZ GLASS DESIGNS
	EMPIRE STEERING COLUMNS
	FAR EAST HOME CARE INC
	FONTANA SOCCER CLUB
	GROUP LAND SURVEYORS INC
	MONTES, MARTIN
	ROMAN TINT INC
	UNITECH AUTO REPAIR
1480	CRESWELL JEFFREY A DVM
	RIALTO ANIMAL HOSPITAL INC
1485	RIALTO YOUTH SOCCER LEAGUE SNACK BAR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2014

141	RAMIREZ, JOSHUA
145	ARKENBURG, HOWARD E
160	COAST MACHINERY MOVERS
339	NAGLE, JOHN L
343	FAVELA, LUIS
	MARROQUIN, CARLOS
381	OCCUPANT UNKNOWN,
383	MARTIN, MICHAEL D
491	PONCE, ALEJANDRO P
855	RAMIREZ, GEUDIEL D
937	EHLENFELDT, GREGORY J
957	CROSSROADS CHRISTIAN CENTER
1033	ADAN, EILEEN
	AKINNUSI, MARGARET O
	ALEJANDRO, HERNANDEZ
	ANDERSON, WILLIAM
	BERUMEN, ANGELICA
	BIBB, ROBIN W
	CACTUS GROVE APARTMENTS
	CALLEJAS, SALVADOR F
	CASTANEDA, JOEL
	CORRAL, GENA
	CURIEL, BLANCA
	DELVALLE, JENNIFER
	ESTRADA, LORENA
	HERNANDEZ, JAY N
	JOHNSON, CEDRIC J
	LEMUS, PATRICIA
	LOPEZ, JOSE
	LUNA-TORRES, EFRAIN
	MARENTES, OLIVERIO C
	MORALES, MICAELA
	OLADAPO, KOFO
	ORNELAS, HUGO R
	PAREDES, DENIS A
	PLATERO, LAURA P
	PRATT, RUTH N
	REAL, CHRISTINA
	ROBERSON, ANTHONY
	ROCHA, ROBERTO
	RODRIGUEZ, MARIA T
	RODRIQUEZ, MARGARITA
	ROMERO, EDWARD M
	SANCHEZ, AMANDA
	SERNA, MARTIN
	TUCKER, JAMES E
	VERGARA, PAULA J
	VICTORIO, LUISITO
	WILLIAMS, AARON
	ZARAGOZA, ANGELES

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2014 (Cont'd)

1231 DONUT DELICOUS COFEY SHOP
RIALTO 99 CENTS PLUS
ROYAL H ARI SALON
1295 TUDUR, NICHOLAS A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 2014

1240	A QUALITY TRANSMISSIONS
	ADT SECURITY SERVICES
	AFFORDABLE CABINETS REFACING
	HARRIGANS TOILET PARTITIONS
	JUMP N JUMP RENTAL
	ORTEGAS FURNITURE
	TZI AUTO SERVICE TECHNICIAN
1245	KASCH GRAPHIC DESIGN
	T & D JUMPERS
1260	A & J AUTO REPAIR
	ADT SECURITY SERVICES
	CALIPER AUTO PARTS & SUPPLIES
	CALIPER AUTO REPAIR
	HECTORS SMOG CHECK
	KAYBRI AUTO SALES
	TIGERS MUFFLERS
1265	ADT SECURITY SERVICES
	EMPIRE DOORS & TRIMS
	GUIDEDBY IMAGES
1280	ADT SECURITY SERVICES
	FUNCO INC
	TWISTED IMAGES
1285	CLASSIFIED COMPLETE AUTO REPAIR
	HUNGS FASHIONS
	IPEC GLOBAL INC
	THE GARAGE SPOT
1325	COMPRESSOR COMPONENT PARTS
1345	ADT SECURITY SERVICES
	ARS DENTAL INC
	GUADALAJARAS AUTO REPAIR
1462	WESTPAC RESTORATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2014

111	MCDONALDS
120	AUTO TITLE LOAN
	CAR TITLE LOAN
	CASH ADVANCE
	CHARTER COMMUNICATIONS
	CHECK CASHING
	GAMESTOP
	PAYDAY ADVANCE
	PAYDAY LOANS
	SPEEDY CASH
	TITLE PAWN
	TMOBILE
	TMOBILE RIALTO
122	LIBERTY TAX SERVICE
134	GO SMART WIRELESS
141	SAVE & TELL CORPORATION
142	HIS WAY SPIRIT LED ASSEMLIES
150	ARIES VIRGIN HAIR BOUTIQUE
	CHINA DOLL RESTAURANT INC
	VIRGIN HAIR STORE THE
151	LA PIZZA LOCA
	SUPERIOR GROCERS
	WELLS FARGO
	WELLS FARGO BANK
154	FAY HARRIS
	T G BEAUTY SUPPLY
	TIGI BEAUTY SUPPLY
160	FRANCIS NAILS
166	DOLLAR VIDEO
	RIALTO INTERNET PLACE
172	YOHOAS BARBER & BEAUTY
182	RAINBOW
190	SPRINT
210	DDS DISCOUNTS
211	CVS PHARMACY
212	99 CENT ONLY STORES
	DATES COMMUNICATIONS
216	LARACH INSURANCE SERVICES INC
222	SMOKE 4 LESS
228	SANTA CRUZ DENTAL
236	CHO JUNG MI
240	TACO BELL
241	AUTOZONE
244	FAMILY FISH MARKET
252	STYLISH HONEY EYEBROW
260	PIZZA HUT
264	FRED LOYA INSURANCE
271	FAMILY DOLLAR
280	SAN PABLO MEDICAL CLINIC
291	BAKERS SHOES

W BASE LINE RD 2014 (Cont'd)

461	DOMINOS PIZZA
463	THE DONUT PALACE
469	BASELINE DENTAL CARE
473	BASELINE LAUNDROMAT
477	LETICIA ZAVALA INSURANCE
481	QUICK STOP
620	LA PETITE ACADEMY
630	ALBEIROS
648	HAIR KRAZE BARBER & BEAUTY
658	JIMMYS FOOD STORE
678	TROY MORTGAGE
688	CIRCLE K
855	WEST VALLEY WATER DISTRICT
1238	CUBESMART
1244	HAIR CHIC
	JAY MISTRY
	L & L NAIL SPA
	SUBWAY SANDWICHES
1276	7ELEVEN
1310	FARMER BOYS
1320	POPEYES CHICKEN
1348	ABLE STORAGE
1606	GONZALES, ARACELI
1642	JONES, LILA D
1660	DIAZ, MIGUEL A
1758	DICKEY, LESLIE
1770	PEREZ, ELENA P
1778	BECCERRA, ANNA
1806	OCCUPANT UNKNOWN,
1830	GALLARDO, BARBARA
1850	LIU, XIAOYAN
2182	HERMOSILLO, ELENA
2374	VELASQUEZ, ENRIQUE
2406	MAGANA, JUANA
2430	RICH, REMONDA D
2524	RICO, JESSICA
2538	FOSTER, JEFFREY J
2546	FOWLER, JAMES H
2596	OROZCO, JAVIER
2644	MARTINEZ, RALPH W
2646	OCCUPANT UNKNOWN,
2656	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N AYALA DR 2010

1230	RIALTO CAR WASH
1436	ATZ GLASS DESIGNS
	CALIFORNIA LANGUAGE INST INC
	CHARLIES TIRES
	GOLD AUTOS
	GRIFFEN, JACK
	JUMP WITH US
	LOVELAND JUBILEE PANTRY
	MONTEALBAN AUTO CTR
	MONTES RE UPHOLSTERY
	PARTICULAR TOUCH HAIR SALON
	REAL MCCOY REALTY & LENDING
	TOWERS SIGNS
1480	RIALTO ANIMAL HOSPITAL
1485	RIALTO YOUTH SOCCER LEAGUE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2010

121	TONY THE GREEK VOLKSWAGON
141	CORRAL, SUSANA
145	ARKENBURG, HOWARD E
160	ABLE CRANE & RIGGING
	COAST MACHINERY MOVERS
339	NAGLE, JOHN M
343	MARROQUIN, CARLOS
381	OCCUPANT UNKNOWN,
383	MARTIN, MICHAEL D
491	OCCUPANT UNKNOWN,
855	DOMINGUEZ, MARTHA
937	EHLENFELDT, GREGORY J
957	CROSSROADS CHRISTIAN CTR
1033	ADAN, EILEEN
	AYON, MARTHA P
	BASSALY, AMAL
	BAUTISTA, LILIANA
	CACTUS GROVE APARTMENTS
	CALLEJAS, SALVADOR F
	CUERVAS, M
	CUEVAS, MARIA
	CURIEL, BLANCA
	DELUNA, MAYRA
	DRAKE, PERCY B
	EGARTON, HARRY J
	ESTRADA, PORFIRIO
	GONZALES, GRISELDA
	HERNANDEZ, JAY N
	HERRERA, ROBERTO
	HWANG, YUN S
	JAMES, KRISTI
	JOHNSON, CEDRIC
	MEDINA, YOLANDA
	OLADAPO, GRACE K
	PENA, MARGARITA
	PLATERO, LAURA
	PRATT, RUTH N
	RAMIREZ, JAVIER
	SALAZAR, SAUL
	SANCHEZ, DAVID
	SANDQUIST, CHRISTOPHER M
	SIDERITS, JAYME
	TORRES, MICHAEL
	VASQUEZ, WILLIAM
	VERGARA, PAULA
	VICTORIO, LUISITO
	WRIGHT, LISA
1231	CACTUS FASHION
	DONUT DELICIOUS COFFEE SHOP
	S & S INVESTMENTS INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2010 (Cont'd)

1295 TUDUR, NICHOLAS A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 2010

1240	AFFORDABLE CABINETS REFACING
	EFRAIN MORA JANIKING
	GST AUTO SVC TECHNICIANS
	IMPORT CYCLES POWER SPORTS
	INFINITE DESIGNS MERINO
	JUMP N JUMP RENTAL
	KASCH GRAPHIC DESIGN
	MATTS HOBBY SHOP
	ORTEGAS FURNITURE
1245	J & S FLOORING
	T & D JUMPERS
1260	A & J AUTO REPAIR
	A & S DRAPERIES
	DESIGNS BY HENRY
	GALI ENTERPRISES
	HECTORS SMOG CHECK
	HERNANDEZ AUTO SALE
	ROMEROS MACHINE SHOP
	VIRTUAL BUILDING CONCEPTS INC
1265	DYNAMIC POWDER COATING
	EMPIRE DOORS & TRIMS
	FOUR SLIDE MASTER INC
1280	FUNCO
	RCS
	TWISTED IMAGES
1285	IPEC GLOBAL INC
	PEGLEG PIRATE
	SERNAS COUNTERTOPS
1320	MOUNTAIN VIEW PRECISION FAB
	SAMS CUSTOM GOLF CTR
	UNITED PAPER CONVERTER
1325	COMPRESSOR COMPONENT PARTS
1345	ARS DENTAL INC
	HISTORY IN ADVANCE
	HOVIG DENTAL LAB
	MANUELS AUTO REPAIR
1450	PENN WOODS CORP
	SUDHAKER CO INTL
1464	LIGA INTERNATIONAL INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2010

111	MC DONALDS
120	GAMESTOP
	TMOBILE
122	LIBERTY TAX SVC
128	ALCARAZ INSURANCE SVC
150	CENTURY 21 ELITE REALTY INC
	CHINA DOLL RESTAURANT INC
	WHEREHOUSE MUSIC
151	LA PIZZA LOCA
	SUPERIOR SUPER WAREHOUSE
	UNITED FASHIONS OF TEXAS
	WELLS FARGO BANK
154	TIGI BEAUTY SUPPLY
160	FRANCIS NAILS
190	WIENERSCHNITZEL
198	PREMIER HOME FURNISHINGS
210	BBB SHOES PLUS
	DDS DISCOUNTS
211	CVS PHARMACY
212	99 CENTS ONLY STORES
222	SMOKE 4 LESS
228	CRYSTAL DENTAL MANAGEMENT
240	TACO BELL
241	AUTOZONE
244	B JS FISH N EATERY
260	PIZZA HUT
280	LETYS FURNITURE
291	BAKERS BURGERS INC
298	CARROWS RESTAURANT
300	REGENCY RIALTO CINEMAS
461	DOMINOS PIZZA
463	DONUT PALACE
467	SMART START REDEMPTION CTR INC
469	PATEL MUKESHBHAI DDS
	SHAH SAMIR DDS
473	EXPRESS COIN LAUNDRY
477	DS HAIRCUTS
	L Z INSURANCE SVC
	LETICIA ZAVALA INSURANCE
	ZAVALA, LETICIA
481	QUICK STOP FOOD MART
620	LA PETITE ACADEMY
648	HAIR KRAZE BARBER & BEAUTY
658	JIMMYS FOOD STORE
678	NATIONAL REAL ESTATE
	TROY MORTGAGE
688	ADT 24 HR ALARM & SECURITY DLR
	CIRCLE K
855	WEST VALLEY WATER DISTRICT
1238	USTOREIT

W BASE LINE RD 2010 (Cont'd)

1244	L & L NAIL SPA
1276	1800MYSURGEONCOM
	7ELEVEN
1310	FARMER BOYS
1320	POPEYES CHICKEN & BISCUITS
1348	ABLE STORAGE
	BUDGET TRUCK RENTAL
1606	VITA, JOE
1642	MOYA, ARLENA
1660	DIAZ, JOAQUIN O
1712	IGLESIA POSTOLICA DE
1758	VILLALTA, JESSE
1770	PEREZ, ELENA P
1778	OCCUPANT UNKNOWN,
1830	GALLARDO, BARBARA
	ROMAM, ANGEL
1850	STIX, ANDREAS J
1994	CAMPBELL, FREDERICK D
2182	HERNANDEZ, FRANCISCO
2332	LY, THAI K
2374	LOPEZ, JOSEFINA
2406	PADILLA, ROSALVA
2430	BASELINE MOTORS
	RICH, REMONDA D
2538	FOWLER, DORCE E
2546	FOWLER, DEXTER E
2596	OROZCO, JAVIER
2644	MARTINEZ, RALPH W
2646	GOD CARES & OPENS DOORS
	GUNN, VASHON
2656	WOOLEY, REESE A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AYALA DR 2005

1436	A BUYERS CHOICE
	ADVANCED BILLING SOLUTIONS
	AIRPORT BUSINESS PARK
	ATZ GLASS DESIGNS
	IMMACULATE CONCEPTION OF MARY
	JUBILEE PANTRY OPERATION
	JUMP WITH US
	LIVING IN STYLE CUSTOM DRAPES
	LOVELAND FOOD PANTRY
	MONTES RE UPHOLSTERY
	PARRO-QUIA, MARIA
	PARROQUIA, IMACULADA C
	PARTICULAR TOUCH HAIR SALON
	RED HOT AUTO CARRIERS
	SUAZO & AGUILAR DISTRIBUTION
	TORRES ZAMORA ARMANDO
	ULTIMATE MEDICAL BILLING SLTN
1480	CRESWELL, JEFFREY A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2005

121	TONY GREEK FOREIGN CAR SERVICE
141	DAVIS, DWAYNE E
145	ARKENBURG, HOWARD
339	NAGLE, JOHN M
343	DIAZ, JAQUELINA
	OCCUPANT UNKNOWN,
381	OCCUPANT UNKNOWN,
383	MARTIN, MICHAEL D
491	RODRIGUEZ, NEREIDA
855	GUTIERREZ, ELIZABETH
937	EHLENFELDT, GREGORY J
957	CHURCH OF THE GOOD SHEPHERD
	CROSSROADS CHRISTIAN CENTER
1033	ADAN, EILEEN
	ALVAREZ, FRANCINE D
	ANDAVAZO, GENOVEVA
	ARDON, MARIA L
	AUSTIN, JAMES L
	BIBB, WILLIAM W
	BLANCHE, MARSDEN G
	BUNT, CONAN J
	CACTUS GROVE APARTMENTS
	CINTRON, NADIA M
	COLITEN, CRISTINA M
	COOKSEY, MICKEY L
	COREERO, DEISI
	DELGADO, ANNIE
	DENNISON, JULIE
	DINKINS, VIVIAN
	DRAKE, PERCY
	EDDINGS, TRENISE M
	EGARTON, HARRY
	EUGENE HWANG PAINTING & MNTNNC
	EUGENE HWANG PAINTING AND MAINTENANC
	FIELDS, LESLIE V
	FOSS, LUZ M
	FOWLER, JANIE L
	FRANZ, JOHN R
	GARCIA, RAMON
	GOMEZ, JOSE U
	GORDON, RUTH M
	GUITIERREZ, HECTOR
	HERNANDEZ, JAY N
	HERNANDEZ, OSCAR
	HINES, SHERRY
	HWANG, YUN S
	IBARRA, JASSON
	JAMES, ALLENE
	JOHNSON, CEDRIC
	LEWIS, MAE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2005 (Cont'd)

1033 LIRA, S M
ORIGINAL CNCPT SCRNWRTNG SERV
ORIGINAL CONCEPT SCREENPRINTING SERV
PEREZ, CATHERINE A
RAMIREZ, ROSALINA
RASCON, TODD M
RODRIGUEZ, RAMON D
ROTH, HONEY
SALDIVAR, ENRIQUE
SANCHEZ, DAVID
SANTOS, DAVID
SKANNAL, LATASHA R
TELKAMP, JENNIFER
THAYER, LISA
WILKERSON, TYRONE V
1295 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 2005

1240	ALBERTO VUELVAS AFFORDABLE KITCH
	ANITAS CARPENTRY INTERIOR DECORATION
	BOCHE, WOODCRAFTSMAN
	ESCOBEDOS UPHOLSTERY
	IMPORT SCOOTERS
	LAR VEL ENGINEERING
	PRECISE SILICON RUBBER MFG
	ROBS CUSTOM CABINETS
	RUIZ, ERNESTO
	VIRTUAL BUILDING CONCEPTS INC
1245	ANOTHER GLASS & MIRROR CO
	AUTO WORKX
	GOOLSBYS TRANSMISSION
1260	A & S DRAPERIES
	AIR MASTERS
	ARC FABRICATION
	AZTLAN MOTORS
	CALIFORNIA METAL BENDING
	HANSON AUTO GROUP
	HECTORS SMOG CHECK TEST ONLY
	HERNANDEZ AUTO SALE
	HERNANDEZ MOTORS
	J L CUSTOMS
	JUMP N JUMP
	RIALTO BIBLE BAPTIST CHURCH
	ROMEROS MACHINE SHOP
	SHEARER CUSTOM PIPES
	WESTERN STORM TERMITE
1265	CASILLAS / GUTIERREZ WOOD CO
	DIAZ METAL POLISHING
	FOUR SLIDE MASTERS INC
	JOAQUIN, F
1280	FUNCO
	TWISTED IMAGES
1285	DANA SIZEMORE
	DANA, SIZEMORE
	EAGLE CABINET DOOR INC
	ERASMO, CORAL
	INLAND AUTO CENTER
	INLAND AUTO CTR
	IPEC GLOBAL INC
	PALAFOX UPHOLSTERY MFG
	SHOWBIZ SECURITY
1320	EMPIRE ENGINEERING CO
	MOUNTAIN VIEW PRECISION FABRICATION
	SAMS CUSTOM GOLF CENTER
1325	COMPRESSOR COMPONENT PART CO
1345	ARK COVENANT MINISTRY CHURCH THE
	CHURCH AT THE INLAND EMPIRE FO
	PREMIER CAPITAL HOME FINANCIAL

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 2005 (Cont'd)

1345 RIALTO N FOURSQUARE CHURCH
SI NOR INC
SOUTHLAND MACHINE
WADE, KYLE M
1450 SUDHAKAR CO INTERNATIONAL
1462 WESTPAC RESTORATIONS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2005

111	MCDONALDS RESTAURANTS
120	GAME STOP 2661
	GAMESTOP
	ROSANOS UNOCAL 76 & MIN MRT
	T MOBILE
	T MOBILE RIVERSIDE & BASELINE
122	BACA JOE FOR ASSEMBLY
128	GONZALES, JOSIE
134	CA CASH ADVANCE / PACIFIC CASH ADVAN
142	BAUER, WILLIAM R
	IMPACT STUDENT SERVICES
150	GODS WOMAN CONFERENCING
	MARISCOS MEXICO
	MARISCOS, M
151	ALBERTSONS SAVON
	AT & T WIRELESS SERVICES
	BOBIONAS PC DESIGNS
	BOBIONAS PERSONAL COMPUTER DESIGNS
	RICE GARDEN INC THE
	SAV ON PHARMACY # 6571
154	KIM, HYO J
	TI GIS BEAUTY SUPPLY & SALN
	TIGI BEAUTY SUPPLY
160	FRANCIS NAILS
	OCCUPANT UNKNOWN,
166	DIGITAL RM
	H R BLOCK
182	WRIGHT, LINDA H
190	WIENERSCHNITZEL
198	SAN BERNARDINO ASSOCIATES
222	SMOKE 4 LESS
228	POMPA PATRICIA A DDS
	RIALTO FAMILY DENTAL CENTER
236	OCCUPANT UNKNOWN,
240	OCCUPANT UNKNOWN,
	TACO BELL
241	AUTOZONE
	AUTOZONE # 5627
244	ARCHIES SUB & CHINESE FOOD
	MARTINS FISHING HOLE FISH MARKET
	OCCUPANT UNKNOWN,
252	PIZZA HUT
260	BACKSCHEIDER, CRYSTAL
	BONA FIDE CLEANERS
276	99 CENTER PLUS MART
290	RIALTO CINEMA MOVIE HOTLINE
291	BAKERS BURGERS
298	CARROWS FAMILY RESTAURANT
461	NECCASARY DERRYL
463	DONUT PALACE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2005 (Cont'd)

471	BERENICE WOMEN & CHLDRN CLTHNG
473	EXPRESS COIN LAUNDRY
	WASH TOWN
477	LETICIA ZAVALA INSURANCE
	ZAVALA, LETICIA
481	QUICK STOP FOOD MART
620	LA PETITE ACADEMY
630	BAKERS BURGERS
638	DYP INC
	USA CLEANERS
648	DESTINY BEAUTY SUPPLY
	HAIR KRAZE BARBER AND BEAUTY
658	JIMMYS FOOD STORE
797	DEAN, JOHN C
855	WEST VALLEY WATER DISTRICT
1310	GEORGIOU, NICHOLAS
1348	ABLE STORAGE
1642	PORTER, JAMES
1660	DIAZ, JOAQUIN
1680	OCCUPANT UNKNOWN,
1758	CASTRO, RICHARD
1770	TALTON, TAVARES
1778	PEREZ, MARIA P
1806	RIVERA, MINERVA M
1830	MORALES, GABRIELA
1850	STIX, ANDREAS J
1958	MALAK, MOUNIR R
1960	PIMENTEL, LETICIA
1994	ACKERSON, WILLIE
2182	GONZALES, ROSENDO G
2210	FINFROCK, JOHN M
2332	OCCUPANT UNKNOWN,
2344	FONTANA FERTILIZER & SOIL CONDITIONE
	FONTANA SOIL CONDITIONERS
	VIRAMONTES, BENJAMIN A
2374	GARCIA, JOSEFINA L
2430	RICH, REMONDA
2452	N & M CARPETS
2462	MERCADO, ELDA M
2524	OCCUPANT UNKNOWN,
2538	OCCUPANT UNKNOWN,
2546	FE EXPRESS
	FOWLER, DORIS
2596	OCCUPANT UNKNOWN,
2646	MARTINEZ, RALPH W
2656	WOOLEY, REESE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AYALA DR 2000

1436 ARTIFACTS GALLERY
BEST VALUE CUSTOM SHUTTERS INCORPORATED
JUBILEE PROJECT OPERATION BLESSING
LEFT COAST CARS
LIFE INSURANCE
PRIMERICA FINANCIAL SERVICES
SOLE SOURCE INCORPORATED
WINN, ROY
1485 RIALTO YOUTH SOCCER LEAGUE SNACK BAR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 2000

121	TONY THE GREEK
141	COWEN, LYNDA L
145	OCCUPANT UNKNOWN,
160	GENERAL WAREHOUSE PRODUCTS
331	OCCUPANT UNKNOWN,
339	RUSSELL, BERNARD J
343	OCCUPANT UNKNOWN,
381	OCCUPANT UNKNOWN,
383	MARTIN, JOANN A
491	GONZALEZ, V
855	ARCE, J
937	EHLENFELDT, GREGORY
957	CHURCH OF THE GOOD SHEPHERD ASSEMBLY OF GOD
1023	OCCUPANT UNKNOWN,
1031	OCCUPANT UNKNOWN,
1033	BARTON, YOLANDA
	BRITO, JUAN
	CACTUS GROVE APARTMENTS
	CAPPS, JAIME
	CAUSEY, MONICA
	CHARLTON, SARAH J
	COOKSEY, MICKEY L
	DIAZ, OLIVEY
	GALLEGOS, ELISA
	GOETTMAN, ERIC R
	GYDEE, PRALAD S
	HUNTOON, JULIE
	JAMES, ALLENE
	JOHNSON, JACKIE
	MACIAS, MICHAEL J
	MCQUEEN, YOLANDA
	MELENDREZ, RAMIRO
	NICHOLS, CARRIE B
	NUNEZ, G
	ONUOHA, M I
	PETTIFORD, GORDON L
	RASCON, TODD M
	RODRIGUEZ, MARIA T
	SARA, DAVID
	SIBLEY, PAUL
	VASQUEZ, RICARDO
	VAZQUEZ, LEONOR
	WILKERSON, TYRONE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 2000

1240	B V INDUSTRIES
	C HERITAGE AUTO
	KASCH SIGN DESIGNS
	KROGSTAD, MONTE
	LAR-VEL ENGINEERING
	ORTEGAS FURNITURE
	PRECISE SILICON RUBBER MANUFACTURING
1245	EAGLE CABINET DOOR INCORPORATED
	P & G AUTO PARTS & MACHINES
	ROGAN BUILDING SERVICES
1260	A & S DRAPERIES
	AIR MASTERS
	CLEMENT ELECTRIC
	E & J MACHINE SHOP
	EAGLES WEST ENTERPRISES
	MERIT DRILLING & GRINDING
	MOUNTAIN VIEW PRECISION FABRICATION
	PARAMOUNT OFFICE EQUIP & SUPPLIES
	R & A PRODUCE
	R & R RACING
	RAY STEWART & FAMILY MAINTENANCE
	ROMEROS MACHINE SHOP
	SHANA FASHIONS
1265	DYNAMIC POWDER COATING
	HARPER MANUFACTURING LIMITED
1280	PICALL CREATIVE CREATIONS
	TWISTED IMAGES
1285	B K FABWORKS
	KITCHENS DIRECT
	PLATINUM LASER
1320	BARNHART JAMES
	BARNHART, JAMES
	EMPIRE ENGINEERING CO
	LASARVISION CENTER INCORPORATED
	LEE DEITRICK AT SAMS CUSTOM GOLF
	SAMS CUSTOM GOLF
	UNITED PAPER CONVERTER
1325	COMPRESSOR COMPONENT PARTS
1345	COMUNITY LENDING
	EMPIRE HOME HEALTH CARE AGENCY
	MORGAN FRAMING INCORPORATED
	OLYMPIC REALTY
	SI NOR INCORPORATED
	SOUTHLAND MACHINE
1450	SUDHAKAR CO INCORPORATED
	SUDHAKAR, ASH
1462	KLAERS AVIATION
	WEST PAC RESTORATIONS INCORPORATED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2000

111	MCDONALDS RESTAURANTS
	MCDONALDS RESTAURANTS RIALTO
120	ROSANOS UNOCAL 76 & MINI MA
134	PRECISION 6 HAIR CUTTING & PERM CENTER
142	IMPACT STUDENT SERVICES
150	GODS WOMAN CONFERENCING
	MARISCOS MEXICO
	WHEREHOUSE THE RIALTO
151	OCCUPANT UNKNOWN,
	RICE GARDEN INCORPORATED THE
	SAV-ON DRUGS RIALTO
	SAVON DRUGS RIALTO
166	BLOCK H & R
172	LOVELAND CHURCH ADMINSTRATION
182	T G BEAUTY SUPPLY
	TIGI BEAUTY SUPPLY
	WRIGHT LINDA HAIR SERVICE
190	WIENERSCHNITZEL
198	FASHION GAL
	TWS FITNESS CENTER
222	SMOKE 4 LESS
228	POMPA PATRICIA A DDS
	RIALTO FAMILY DENTAL CENTER
236	LETS BUY IT AGAIN
240	TACO BELL
241	HAGEY INSURANCE AGENCY
244	ANDYS CAFE CHINESE CUISINE
252	PIZZA HUT
260	BONA FIDE CLEANERS
290	RIALTO CINEMA MOVIE BUSINESS OFFICE
	RIALTO CINEMA MOVIE HOTLINE
298	CARROWS FAMILY RESTAURANT
461	CHANGE OF HEART MINISTRIES
	DOMINOS PIZZA
463	DONUT PALACE
465	FOXXYS
	HL & M CONSTRUCTION INCORPORATED
	WHIPP APPEAL
467	PLAYA 2 PLAYA
471	KALMIA LEARNING CENTER
473	NEIGHBORHOOD MARKET
	U-HAUL CO
477	DS HAIRCUTS
	NEIBORHOOD PAGERS
620	LAPETITE ACADEMY
630	BAKERS BURGERS
638	COMET 1 HOUR CLEANERS
658	JIMMYS FOOD STORE
688	CIRCLE K FOOD STORES NO 197
855	WEST SAN BERNARDINO COMPANY WATER

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 2000 (Cont'd)

1238	U STORE IT
1606	WOODS, VIRGIE M
1642	JULIEN, GODFREY
	KINDLE, DAVID
1660	GALVEZ, JOSE M
1680	GLENN, ROBERT E
1758	RORAS, EDY O
1770	OCCUPANT UNKNOWN,
1778	OCCUPANT UNKNOWN,
1806	ROMAN, NORMA
1820	FOY, LURA M
1830	MORALES, G
	RUIZ, MIGUEL R
1850	STIX, ANDREAS J
1958	MALAK, SANAA
1960	MALAK, MOUNIR A
1982	ACKERSON, PRISCIL J
1994	SMITH, WILLIE
2182	OCCUPANT UNKNOWN,
2210	FINFROCK, JOHN
2332	OCCUPANT UNKNOWN,
2344	VIRAMONTES, B A
2374	OCCUPANT UNKNOWN,
2388	OCCUPANT UNKNOWN,
2406	LANDROM, MARY H
2462	OCCUPANT UNKNOWN,
2524	SMITH, JOHN R
2538	FOWLER, DORCIE
2546	FOWLER, DORIS
2596	REDEEMING GRACE CHURCH OF GOD IN CHRIST
2642	OCCUPANT UNKNOWN,
2650	OCCUPANT UNKNOWN,
2656	WOOLEY, REESE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AYALA DR 1995

1436 COMPRESSOR COMPONENT PARTS
HEARON, ANN
NUWAY WOOD PRODUCTS
PRIMERICA FINANCIAL SVC
SOLE SOURCE INC
1485 RIALTO YOUTH SOCCER LEAGUE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 1995

121	TONY THE GREEK
339	RUSSELL, MARY
343	HERNANDEZ, ANGEL
937	EHLENFELDT, GREGORY
957	CHURCH OF THE GOOD SHEPHERD
	OCCUPANT UNKNOWNN
1033	ALVAREZ, DORENE
	BERRY, JAMES
	CACTUS GROVE APARTMENTS
	CAZARES, JESSICA
	FINLAY, F
	LOPEZ, MARIA D
	LOVE, MARIE
	SALAZAR, LYDIA
	SANCHEZ, EUPEMIA
	SMITH, TINA
	VALDEZ, ORVAL
	WILLIAMS, GERALD

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 1995

1240	J T MUCCI
	KASCH GRAPHIC DESIGNS
	LAR VEL ENGINEERING
	LSJ INTERIOR INC
	ORTEGAS FURNITURE
	S & B ASSOC INC
	WEST COAST DEVELOPMENT
1245	ALTERNATIVES
	ANOTHER GLASS & MIRROR CO
	BRITTEN, DANIEL P
	GLASS TINTING TECHNOLOGIES
	HERNANDEZ BROTHERS
	QUALITY FINISH
	SKYLINES NPYRAMIDS
1260	AIR MASTERS
	EAGLES WEST ENTERPRISES
	HOOKER, R H
	JOHN FERGUSON CARBURETOR
	MENCO
	MOUNTAIN VIEW PRECISION FAB
	PAMBRAS INC
	R & A PRODUCTS
	UNIQUE BOUTIQUE
1265	AMERICAN LIGHTING
	DYNAMIC POWDER COATING
	F G SHOES WHOLESALE
	FOUR SLIDE MASTERS
	HARPER MANUFACTURING LTD
1280	APOGEE TOOL CO
	ROTARY WORKS
	SCOTTYS WOOD PRODUCTS
	SMITH ENTERPRISES
1285	J & J FABRICATION
	J & J SCHOOL OF WELDING
1320	INLAND CHASSIS DESIGN
	RACE ENGINEERING
	SAMS CUSTOM GOLF
1325	LYNDALE HEATING & AIR COND
1345	BONILLA, RICHARD
	SOUTHLAND MACHINE
	WALLY MOTORS
1450	SUPER STRUCT BUILDING SYSTEMS
1462	KLAERS AVIATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 1995

120	ROSANOS UNOCAL MINI MART
134	PRECISION 6 HAIR CUTTING CTR
150	VIP TRAVEL
	WHEREHOUSE
151	GOLDEN SWIRL FROZEN YOGURT
	SMITHS FOOD & DRUG CTR
	WESTERN UNION
154	SAV ON DRUGS
160	FRANCIS NAILS
166	H & R BLOCK INC
182	TIGI BEAUTY SUPPLY
190	WIENERSCHNITZEL
198	FASHION GAL
210	VONS COMPANIES INC
216	ITT FINANCIAL CORP
228	NEIL HANSEN DDS
	PATRICIA A POMPA DDS
	RIALTO FAMILY DENTAL CTR
236	G & R COMICS & CARDS
240	TACO BELL
244	ANDYS CAFE
252	PIZZA HUT
260	BONA FIDE CLEANERS
276	TRAK AUTO
298	BOBS BIG BOY RESTAURANT
465	CATCH ONE
467	TERRYS BOUTIQUE & BEAUTY SUPL
483	PACIFIC DYNASTY GROUP
620	LA PETITE ACADEMY
630	BAKERS BURGERS
638	COMET ONE HOUR CLEANERS
648	DONUTS OF THE WORLD
658	JIMMYS FOOD STORE
678	VIDEO WORLD PLUS
688	CIRCLE K FOOD STORE
855	WEST SAN BERNARDINO WATER DIST
1238	ASSURED MINI STORAGE
1680	GLENN PRIVATE PATROL
1712	BETHLEHEM TEMPLE COMMUNITY CHR
1758	OCCUPANT UNKNOWNN
1770	OCCUPANT UNKNOWNN
1820	FOY, LURA M
1958	MALAK, SANAA
1960	OCCUPANT UNKNOWNN
1982	ACKERSON, PRISCIL J
1994	SMITH, WILLIE
2182	COLLINS, LUCY R
2238	OCCUPANT UNKNOWNN
2280	OCCUPANT UNKNOWNN
2332	HOVATER, O

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 1995 (Cont'd)

2374	ARNOLD, GINA
	MCCLELLAN, EVIA
	WASHINGTON, MORRIS
2388	WINN, KEVIN
2452	EDGEWOOD LOUNGE
	OCCUPANT UNKNOWNN
2546	FOWLER, DORIS
	K & D TOWING
2596	REDEEMING GRACE CHURCH OF GOD
2646	CITRUS CARE
	SMITH, CRAIG
2656	WOOLEY, REESE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AYALA DR 1992

1436 A L WILLIAMS INS SV
ACUETO MANUEL
COMPRESSR CMPNT PRT
HARRIS TRYNA
NIELSENS CARPENTRY
NUWAY WOOD PRODUCTS
SOLE SOURCE INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CACTUS AVE 1992

121	TONY THE GREEK
160	RIALTO LUMBER CO
855	MIDDLETON, JAMES
937	EHLENFELDT, GREGORY
957	CHURCH OF GOOD SHPD
1033	CACTUS GROVE APTS
	RUEZVASQUEZ, ALFREDO

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N FITZGERALD AVE 1992

1240 A 1 WESTERN NOZZLE
BROCO PRODUCTION
KASCH DESIGNS
L S J INTERIORS INC
LAR VEL ENGINEERING
RAKE ENTERPRISES
S&B ASSOCIATES INC
SECURE FASTENNG SYS
TURNER ASSOCIATES
WEST CST DEVLP

1245 ALTERNATIVES THE
ANOTHER GLSS&MIRROR
GLASS TINTING TECH
J&E FASHIONS
QUALITY FINISH
SCAFF MANUFACTURING

1265 A TOUCH OF OAK
AMER LIGHTING
HARPER MFG LTD
KENNEDY GLASS SYSTM

1280 A&S C N C SPCLSTS
APOGEE TOOL CO
J&J FABRICATION
SCOTTYS WOOD PRDCTS

1285 ROUND CONCEPTS

1320 CREATIVE CRPT WORLD
INLAND CHASSIS DSGN
JOHN FERGUSON CRBTR
SAMS CUSTOM GOLF

1325 MORENO VLY CONSTR

1345 CATALINA DEVLP
P W CONSTR WRHS
SOUTHLAND MACHINE
WALLY MOTORS

1450 ADELPHI GROUP INC
D O D DESIGN GROUP
SUPER STRUCT BL SYS

1462 KLAERS AVIATION

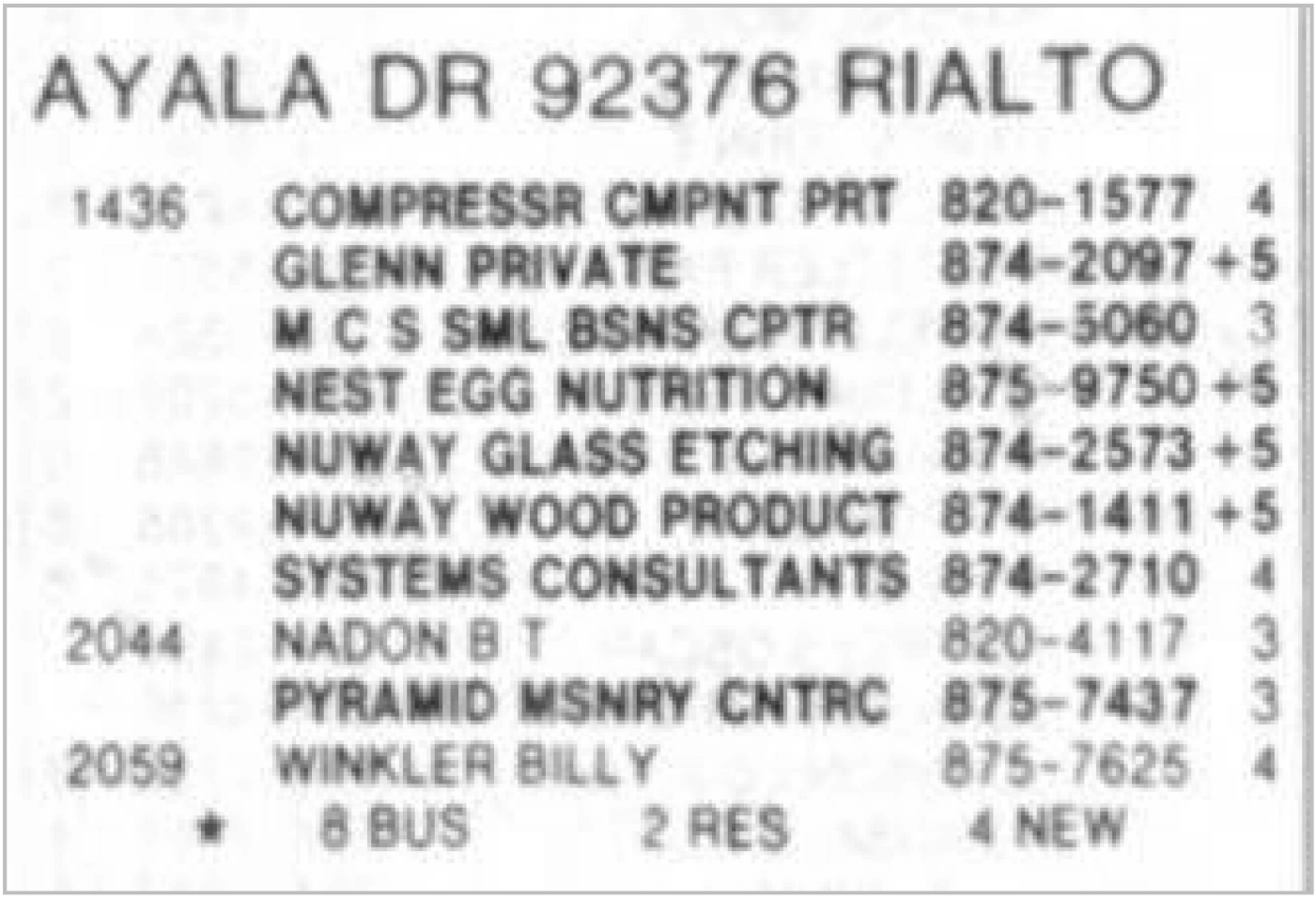
Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASE LINE RD 1992

115	ALLENS SHELL INC
120	ROSANOS UNOCAL 76
128	MAGIC 1 HOUR PHOTO
134	PRECISION 6 HAIR ST
141	FRESHH DONUTS
142	SECURITY PAC
150	V I P TRAVEL
	WHEREHOUSE MSC&MORE
154	SAV ON DRUGS
160	FRANCIS NAILS
192	OCCASIONS
198	FASHION GAL
210	VONS CO MKT BAKERY
216	I T T FINANCIAL SV
228	RIALTO FMLY DNTL CT
236	TI GI BEAUTY SUPPLY
240	TACO BELL
244	ANDYS CAFE
252	PIZZA HUT DEL CARRY
260	BONAFIDE CLEANERS
276	TRAK AUTO
298	BOBS BIG BOY REST
620	LA PETITE ACADEMY
630	BAKERS BURGERS
638	COMET 1 HR CLEANERS
648	DONUTS OF THE WORLD
658	JIMMYS FOOD STORE
678	VIDEO WORLD PLUS
688	CIRCLE K FD ST 1979
855	WEST S BDO CO WATER
1238	ASSURED MINI STRG
1606	WOODS, WILLIE B
1642	FRAZIER, JESSIE M
1712	LIGHTHOUSE FLL GSPL
1722	CAMBEROS, MARIA
1820	FOY, LURA M
1830	HANSON, W R
1958	MALAK, SANAA
1982	ACKERSON, P J
1994	JONES, LULA
2182	COLLINS, LUCY R
2238	MEYER, WILLIAM T
2332	HOVATER, O
2374	ARNOLD, GINA
2452	EDGEWOOD LOUNGE
2546	FOWLER, DORIS
2596	REDEEMING GRACE CH
2646	CITRUS CARE
2656	WOOLEY, REESE

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N AYALA DR 1985



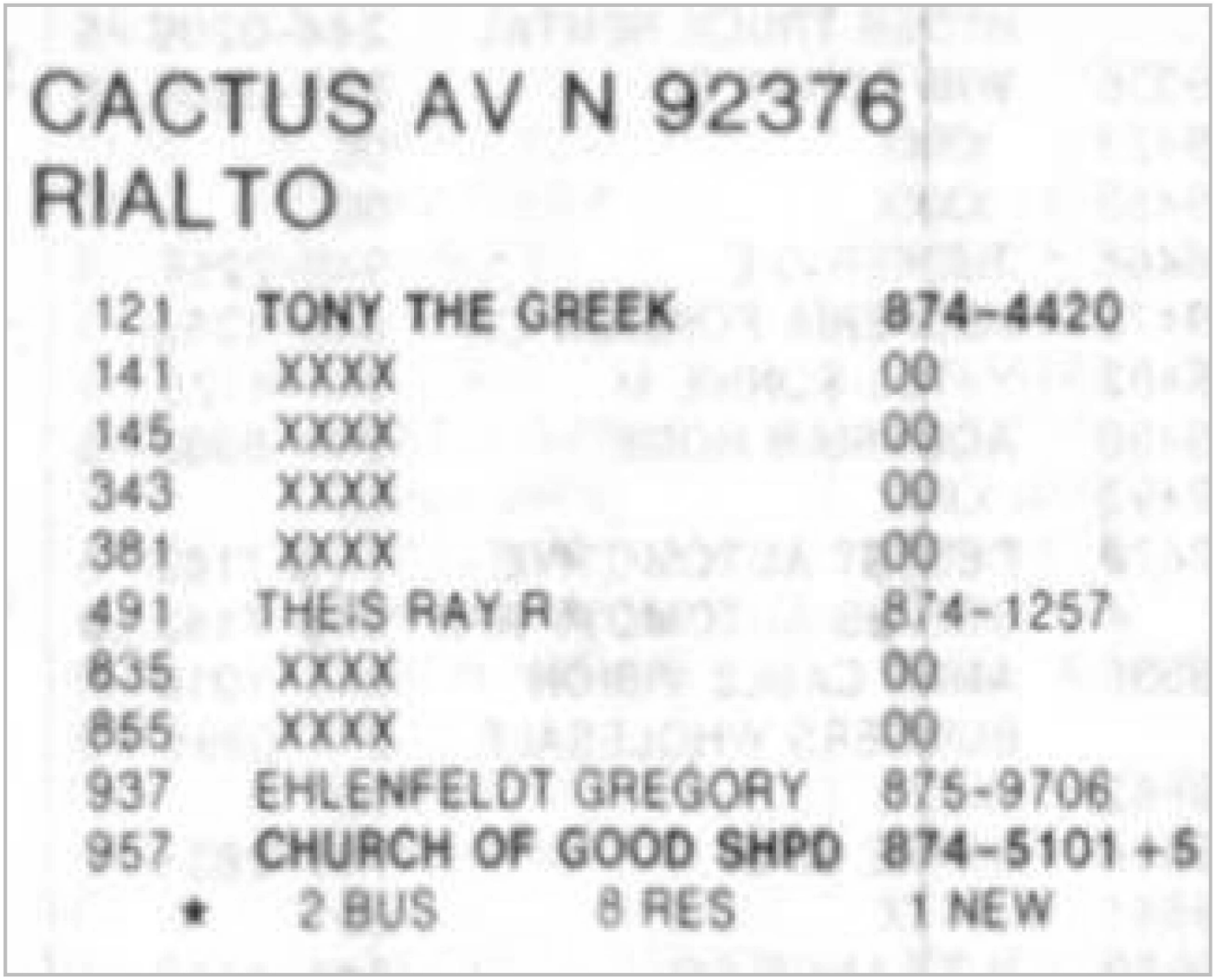
AYALA DR 92376 RIALTO

1436	COMPRESSR CMPNT PRT	820-1577	4
	GLENN PRIVATE	874-2097	+5
	M C S SML BSNS CPTR	874-5060	3
	NEST EGG NUTRITION	875-9750	+5
	NUWAY GLASS ETCHING	874-2573	+5
	NUWAY WOOD PRODUCT	874-1411	+5
	SYSTEMS CONSULTANTS	874-2710	4
2044	NADON B T	820-4117	3
	PYRAMID MSNRY CNTRC	875-7437	3
2059	WINKLER BILLY	875-7625	4

* 8 BUS 2 RES 4 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N CACTUS AVE 1985



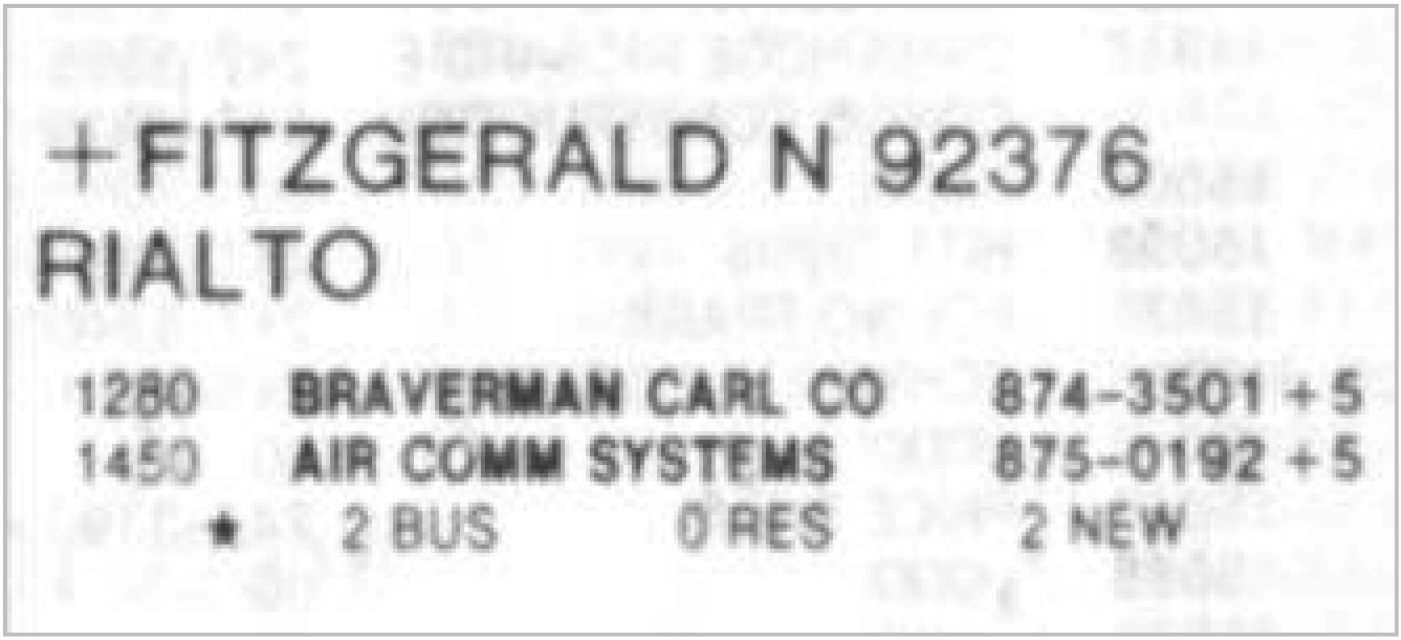
CACTUS AV N 92376
RIALTO

121	TONY THE GREEK	874-4420
141	XXXX	00
145	XXXX	00
343	XXXX	00
381	XXXX	00
491	THEIS RAY R	874-1257
835	XXXX	00
855	XXXX	00
937	EHLENFELDT GREGORY	875-9706
957	CHURCH OF GOOD SHPD	874-5101 +5

* 2 BUS 8 RES 1 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N FITZGERALD AVE 1985



Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

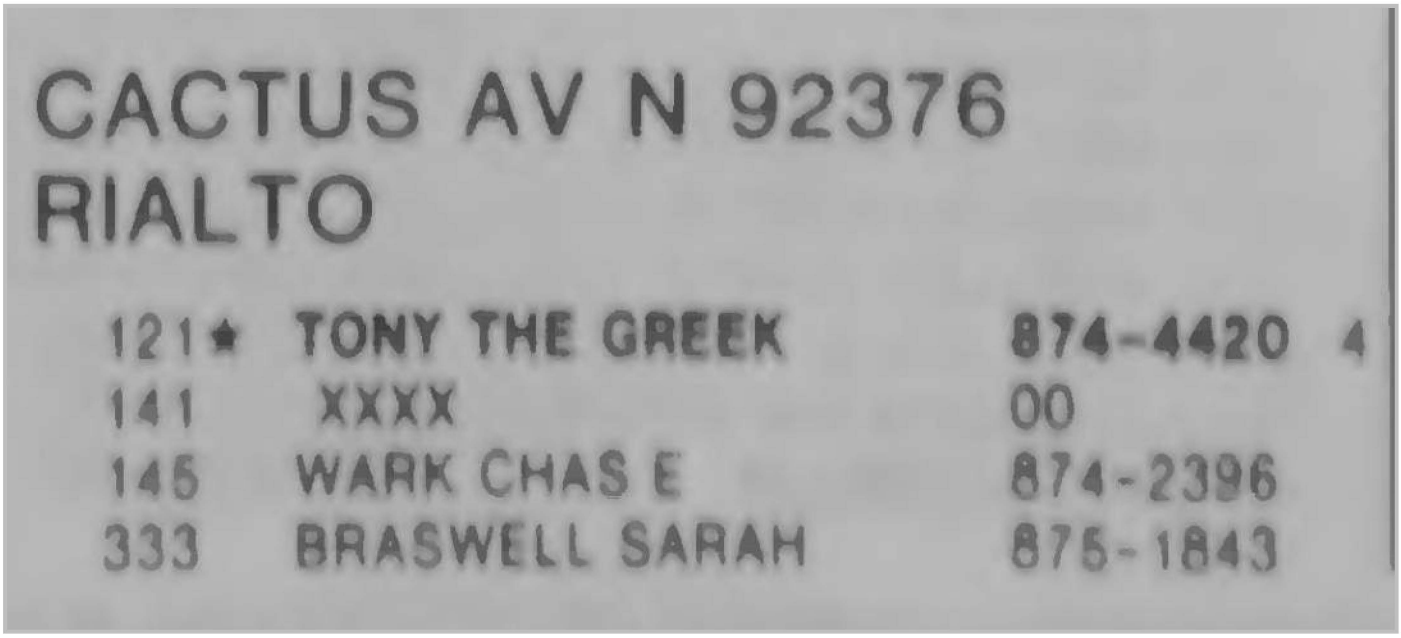
W BASE LINE RD 1985

BASE LINE RD W 92376
RIALTO

115	XXXX	00	
120	**RIALTO UNION 76**	**874-7610**	**+5**
134	**PRECISION 6 HAIR ST**	**874-3320**	**+5**
141	XXXX	00	
148	**A&N KOLB SHOES**	**874-3001**	**+5**
150	**LAMPPOST PIZZA**	**875-7780**	**+5**
	VIP TRAVEL	**874-1750**	**+5**
154	**SAV ON DRUGS INC**	**874-8000**	**+5**
166	**RIALTO VIDEO**	**874-2271**	**+5**
180	XXXX	00	
182	**E&H STAMPS**	**820-2486**	**+5**
	STEWARTS JEWELRY	**874-1044**	**+5**
190	**WENDYS OLD**	**874-5081**	**+5**
198	FASHION GAL	874-3332	+5
210	**VON GROCERY**	**875-4121**	**+5**
	VONS GROCERY	**875-4193**	**+5**
	VONS GROCERY	**875-4151**	**+5**
216	**JOLES PET CENTRE**	**874-2092**	**+5**
	PET CENTRE	**874-2092**	**+5**
260	**BONA FIDE CLEANERS**	**875-7192**	**+5**
276	**TRAK AUTO**	**875-7930**	**+5**
280	XXXX	00	
641	XXXX	00	
652	ZALEK JOS J	875-0756	6
688	XXXX	00	
855	**WEST S BDO CO WATER**	**875-1804**	
1225	XXXX	00	
1606	WOODS VIRGIE	822-8876	3
	WOODS WILLIE B	822-8876	
1642	FRAZIER JESSIE MAE	875-7267	
1660	LYNCH BESSIE M	822-4907	
1680	XXXX	00	
1712	LIGHTHOUSE FULL GOS	823-7638	+5
	RIALTO CHRSTN CNTR	**823-7638**	1
1722	XXXX	00	
1758	XXXX	00	
1778	LINCOLN JAS R	823-7967	
1794	XXXX	00	
1806	XXXX	00	
1820	FOY LURA MAE	822-3463	2
1830	SWEDLOW ROGER	829-8006	+5
1850	XXXX	00	
1960	MOORE EZZIE L PASTR	823-9393	
1982	ACKERSON PRISCILLA	829-8872	0
1994	JONES LULA	823-1771	
2166	XXXX	00	
2182	COLLINS LUCY RECTOR	822-4062	1
2280	XXXX	00	
2332	HOVATER O	829-1672	8
2344	XXXX	00	
2374	WASHINGTON ARDALIA	822-3126	+5
	WASHINGTON MORRIS	822-5108	
2388	XXXX	00	
2406	XXXX	00	
2430	SMALL PRESTON	822-8354	
2452	**EDGEWOOD LOUNGE**	**822-2101**	
2524	SMITH JOHN R	822-3585	
2546	FOWLER B L	823-1143	
2596	**REDEEMING GRACE CH**	**823-4634**	2
2644	ROUSSELL EDDIE	823-8683	0
2646	**ROUSSELLS BOARD**	**829-9470**	4
2656	WOOLEY REESE	823-3262	
★	22 BUS 40 RES	21 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N CACTUS AVE 1980

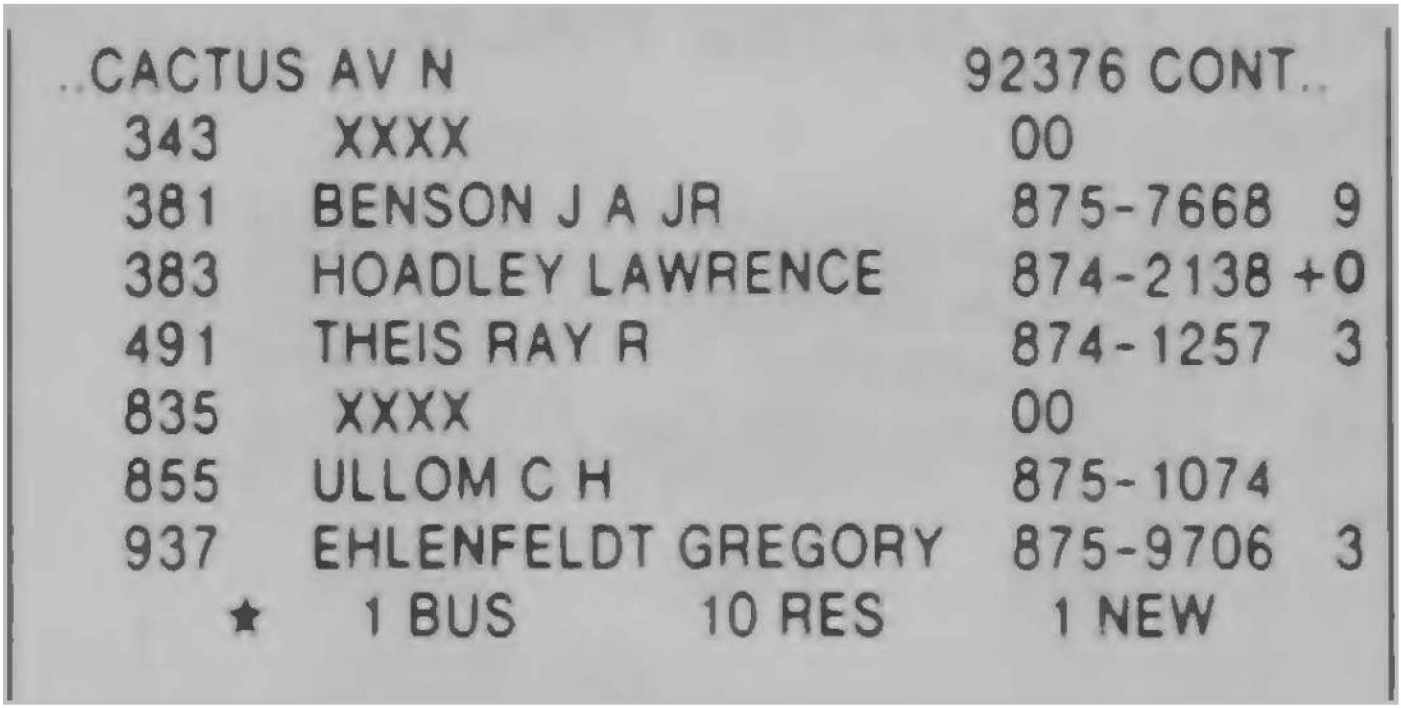


CACTUS AV N 92376
RIALTO

121★	TONY THE GREEK	874-4420 4
141	XXXX	00
145	WARK CHAS E	874-2396
333	BRASWELL SARAH	875-1843

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N CACTUS AVE 1980



..CACTUS AV N 92376 CONT..

343	XXXX	00
381	BENSON J A JR	875-7668 9
383	HOADLEY LAWRENCE	874-2138 +0
491	THEIS RAY R	874-1257 3
835	XXXX	00
855	ULLOM C H	875-1074
937	EHLENFELDT GREGORY	875-9706 3

★ 1 BUS 10 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

W BASE LINE RD 1980

BASE LINE RD W 92376
RIALTO

115★	**MELS SHELL STA NO 2**	**874-2401**	9
120★	**SUMNERS UNION 76**	**874-1314**	9
141★	**J&B DRIVE IN 3**	**875-7000**	+0
180★	**BROWN STEVE INS**	**874-0080**	8
★	**STATE FARM INS CO**	**874-0080**	8
280	XXXX	00	
560	XXXX	00	
641	XXXX	00	
652	ZALEK JOS J	875-0756	6
688	MAIN KENT	874-5086	+0
855★	**WEST S BDO CNTY WTR**	**875-1804**	4
1606	WOODS VIRGIE	822-8876	8
	WOODS WILLIE B	822-8876	8
1642	FRAZIER JEFF P	875-7267	
1660	LYNCH BESSIE M	822-4907	
1680	JOHNSON WM F	822-3417	
1722	XXXX	00	
1758	XXXX	00	
1778	LINCOLN JAS R	823-7967	
1794	XXXX	00	
1806	PLATA RAFAEL	823-7716	+0
1820	FOY CHARNER	822-3463	
1830	ANDERSON JANE	829-4260	8
1850	XXXX	00	
1960	MOORE EDW B	823-9393	4
	MOORE EZZIE L PASTR	823-9393	4
1982	ACKERSON PRISCILLA	829-8872	+0
1994	JONES LULA	823-1771	
2166	XXXX	00	
2182	XXXX	00	
2280	XXXX	00	
2332	HOVATER O	829-1672	8
2344	STUMP TIMOTHY	822-4076	9
2374	WASHINGTON MORRIS	822-5108	5
2388	BARNES DAVID R	829-0186	4
2406	XXXX	00	
2430	SMALL PRESTON	822-8354	
2452★	**EDGEWOOD LOUNGE**	**822-2101**	
2524	SMITH JOHN R	822-3585	
2546	FOWLER B L	823-1143	
2644	ROUSSELL EDDIE	823-8683	+0
2646	XXXX	00	
2656	WOOLEY REESE	823-3262	5
NO #★	**FLAMINGO LAND CO**	**874-6680**	+0
NO #★	**WILLOWBROOK ESTATES**	**874-6780**	+0
★	9 BUS 36 RES 7 NEW		

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N CACTUS AVE 1976

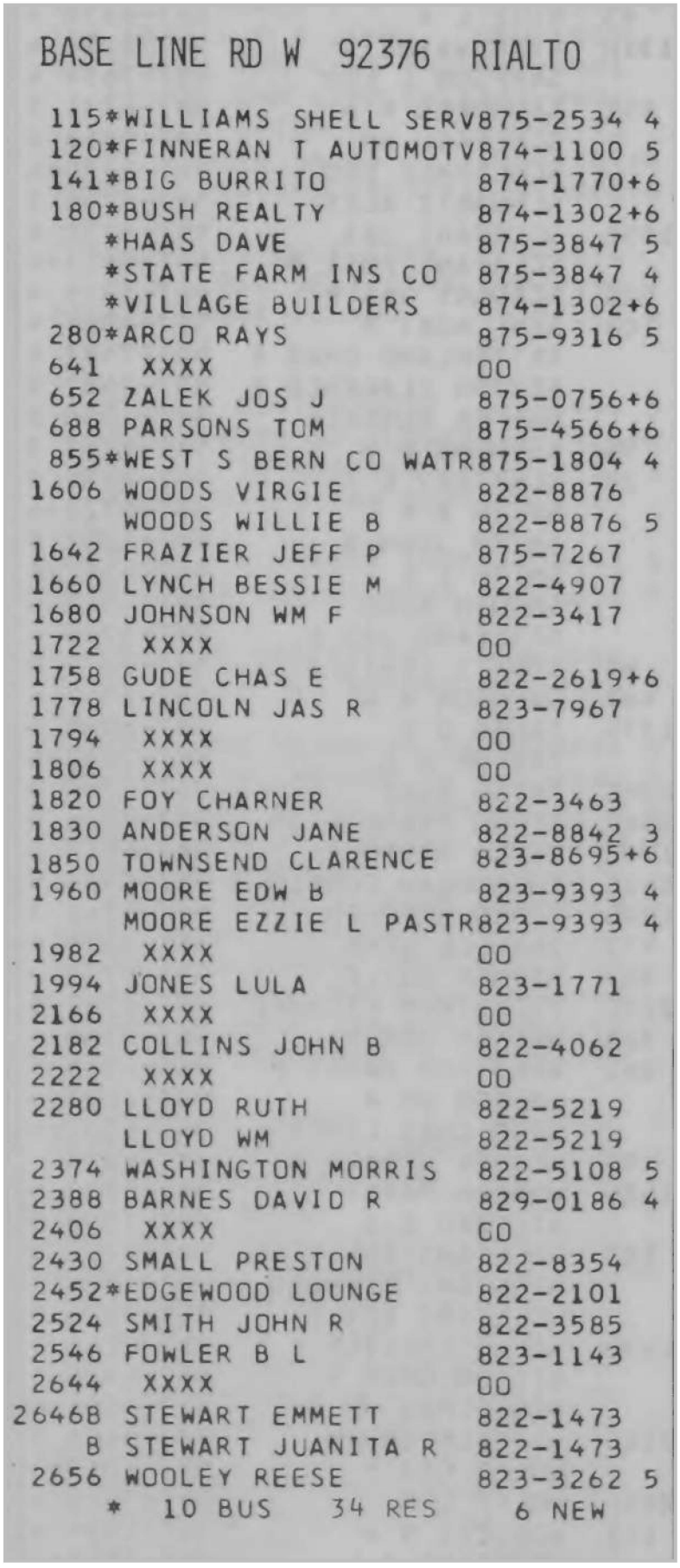
CACTUS AV N 92376 RIALTO

121*	TONY THE GREEK	874-4420	4
141	XXXX	CO	
145	WARK CHAS E	874-2396	
333	BRASWELL SARAH	875-1843	
343	HOADLEY LAWRENCE	874-2138	5
381	PEIRCE H M	874-1375	5
383	DEGEORGE PETER	875-4170	
491	THEIS RAY R	874-1257	3
835	XXXX	CO	
855	ULLOM C H	875-1074	
937	EHLENFELDT GREGORY	875-9706	3
1295	TUDOR NICK	875-3983	
1305	XXXX	CO	

* 1 BUS 12 RES 0 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

W BASE LINE RD 1976



BASE LINE RD W 92376 RIALTO

115	*WILLIAMS SHELL SERV	875-2534	4
120	*FINNERAN T AUTOMOTV	874-1100	5
141	*BIG BURRITO	874-1770	+6
180	*BUSH REALTY	874-1302	+6
	*HAAS DAVE	875-3847	5
	*STATE FARM INS CO	875-3847	4
	*VILLAGE BUILDERS	874-1302	+6
280	*ARCO RAYS	875-9316	5
641	XXXX	OO	
652	ZALEK JOS J	875-0756	+6
688	PARSONS TOM	875-4566	+6
855	*WEST S BERN CO WATR	875-1804	4
1606	WOODS VIRGIE	822-8876	
	WOODS WILLIE B	822-8876	5
1642	FRAZIER JEFF P	875-7267	
1660	LYNCH BESSIE M	822-4907	
1680	JOHNSON WM F	822-3417	
1722	XXXX	OO	
1758	GUDE CHAS E	822-2619	+6
1778	LINCOLN JAS R	823-7967	
1794	XXXX	OO	
1806	XXXX	OO	
1820	FOY CHARNER	822-3463	
1830	ANDERSON JANE	822-8842	3
1850	TOWNSEND CLARENCE	823-8695	+6
1960	MOORE EDW B	823-9393	4
	MOORE EZZIE L PASTR	823-9393	4
1982	XXXX	OO	
1994	JONES LULA	823-1771	
2166	XXXX	OO	
2182	COLLINS JOHN B	822-4062	
2222	XXXX	OO	
2280	LLOYD RUTH	822-5219	
	LLOYD WM	822-5219	
2374	WASHINGTON MORRIS	822-5108	5
2388	BARNES DAVID R	829-0186	4
2406	XXXX	OO	
2430	SMALL PRESTON	822-8354	
2452	*EDGEWOOD LOUNGE	822-2101	
2524	SMITH JOHN R	822-3585	
2546	FOWLER B L	823-1143	
2644	XXXX	OO	
26468	STEWART EMMETT	822-1473	
B	STEWART JUANITA R	822-1473	
2656	WOOLEY REESE	823-3262	5

* 10 BUS 34 RES 6 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

N CACTUS AVE 1971

CACTUS AV N 92376 RIALTO

141	WILLIAMS ANNE K	875-1835
145	WARK CHAS E	874-2396
333	BRASWELL SARAH	875-1843
343½	FRANZMATHES JOHN C	875-7020
381	MARLETT EDWIN	875-5656
383	OEGEORGE PETER	875-4170
835	WALKER LOUIS C	875-1028
855	ULLOM C H	875-1074
1295	TUODR NICK	875-3983
1305	TUDOR DOBRA	875-1356

* D BUS 10 RES

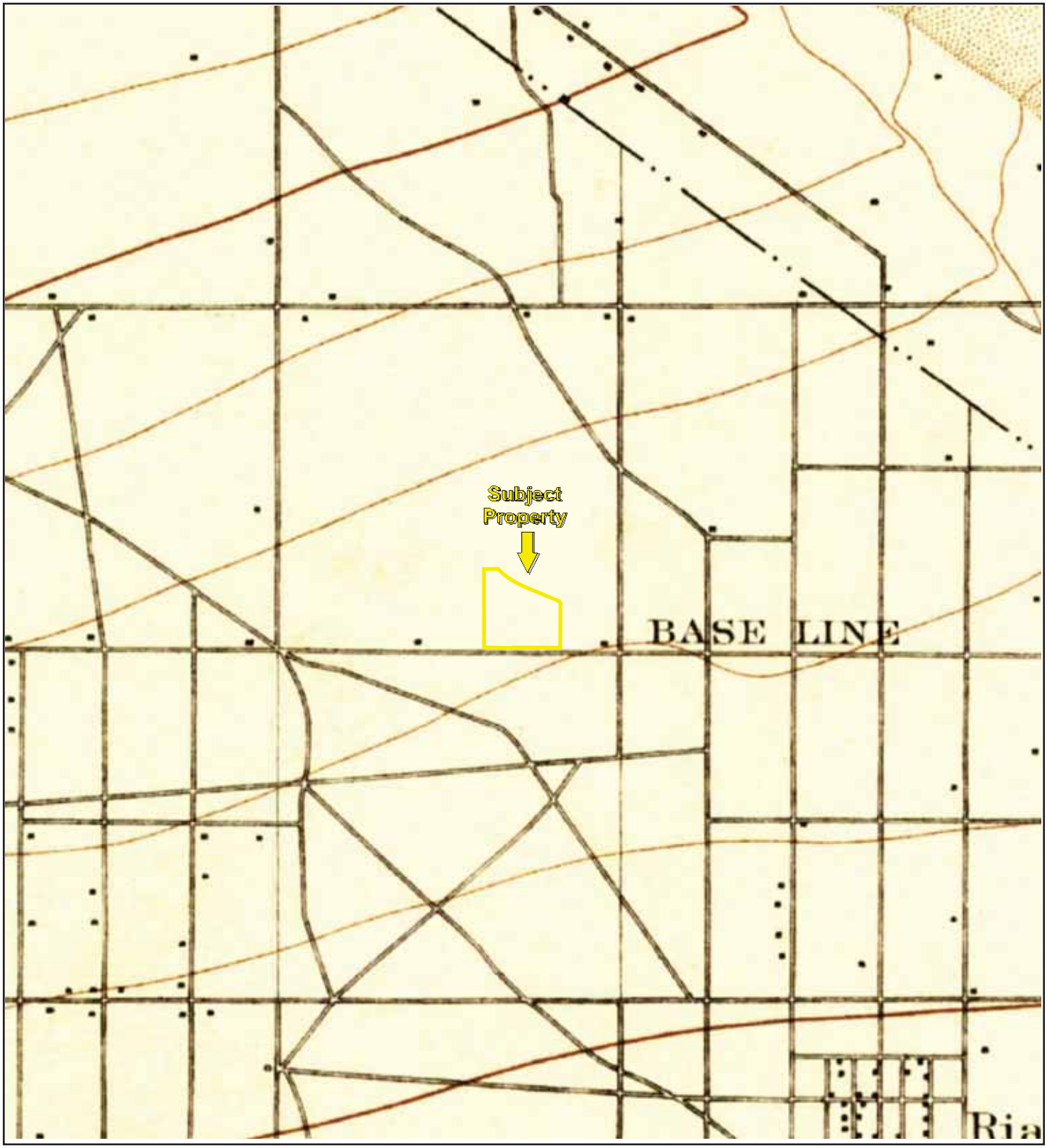
Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

W BASE LINE RD 1971

BASE LINE RD W 92376 RIALTO

115	*MELS SHELL STATION	875-2534
120	*FINNERAN BROS 76	874-1100
	*FINNERAN JOHN	874-1100
141	*KATHYS KORNER	875-0413
170	*BANK AMERICA NTLSA	889-0521
280	*WARD BROWNING NO 21	875-9391
641	ESTRADA FRANK	875-3689
	ESTRADA TIMO L	875-3689
688	PAWLAK N	875-2476
1606	WOODS VIRGIE	822-8876
	WOODS WILLIE B	822-8876
1642	FRAZIER JEFF P	822-2311
	FRAZIER JEFF P	875-7267
1660	LYNCH BESSIE M	822-4907
1680	JOHNSON WM F	822-3417
1758	GUDE CHAS E	822-6047
	GUDE CHAS E	875-4669
1778	LINCOLN JAS R	823-7967
1806	MILLER ERNEST	823-6051
1830	BROWN PATRICIA A	823-1839
1982	SMITH ELISHA	823-7707
1994	JONES LULA	823-1771
2166	CHRISTAIN E K	823-7970
2162	COLLINS JOHN B	822-4062
2222	WEDDINGTON FRANK B	889-3835
2374	MCCLELLAN EVIA	822-2492
	MCCLELLAN S L	822-2492
2388	SPENCER ARTHUR C SR	822-7794
2406	ANDERSON CHAS	823-8854
2452	*EDGEWOOD LOUNGE	822-2101
2546	FOWLER B L	823-1143
26468	STEWART EMMETT	822-1473
B	STEWART JUANITA R	822-1473
17128	GUTIERREZ ALFRED A	822-5717
	GUTIERREZ J	822-5717
17132	GUTIERREZ RAMIRO A	823-4011
17143	MAYORGA JOS	823-6838
17218	*AGUILAR DISPOSAL	822-3834
17220	MARTINEZ JOE O	822-1004
18198	WILLIAMS MARY	822-0871

* 8 BUS 32 RES

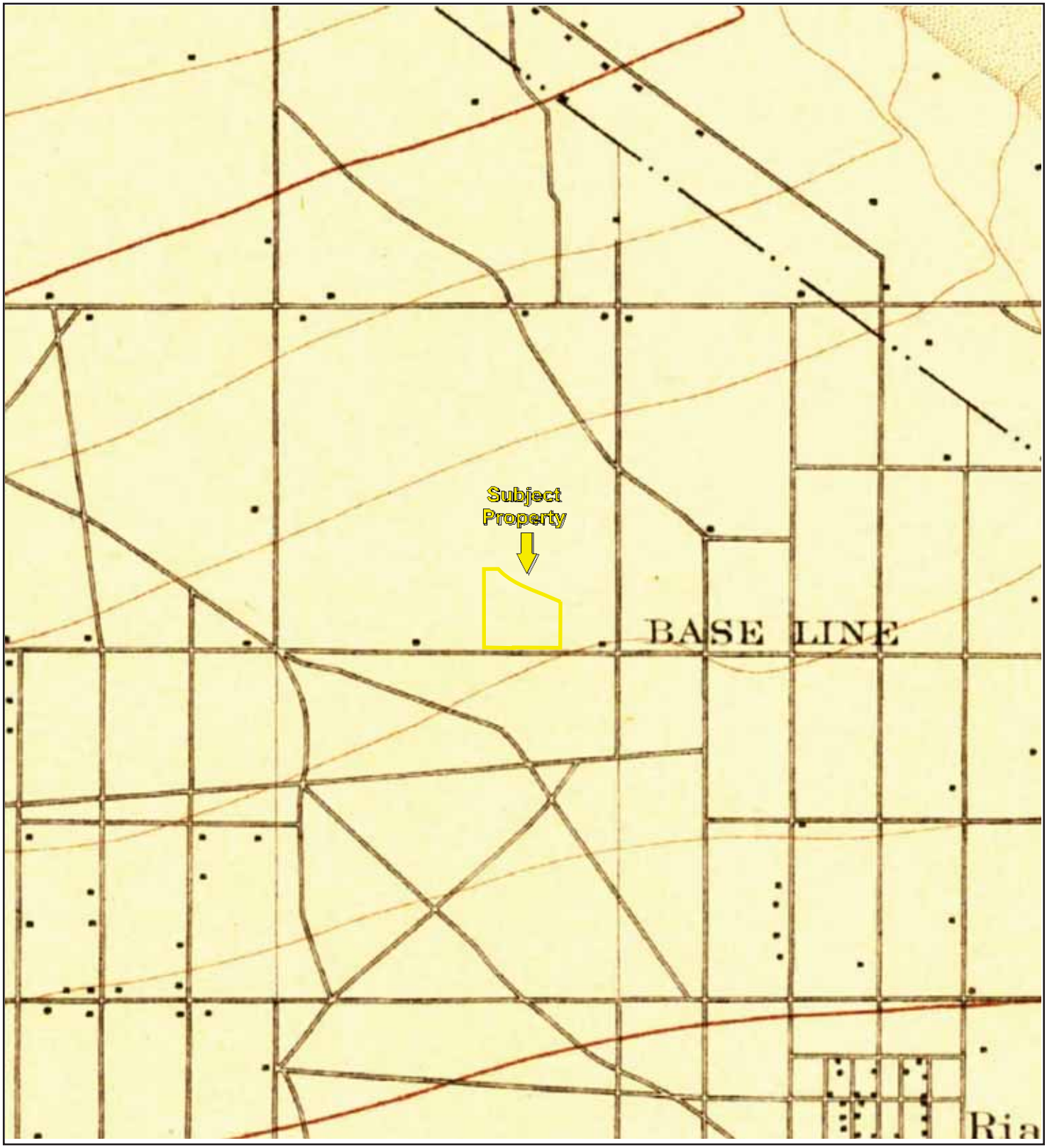


TP, San Bernardino, 1896, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, San Bernardino, 1898, 15-minute

0 Miles 0.25 0.5 1 1.5

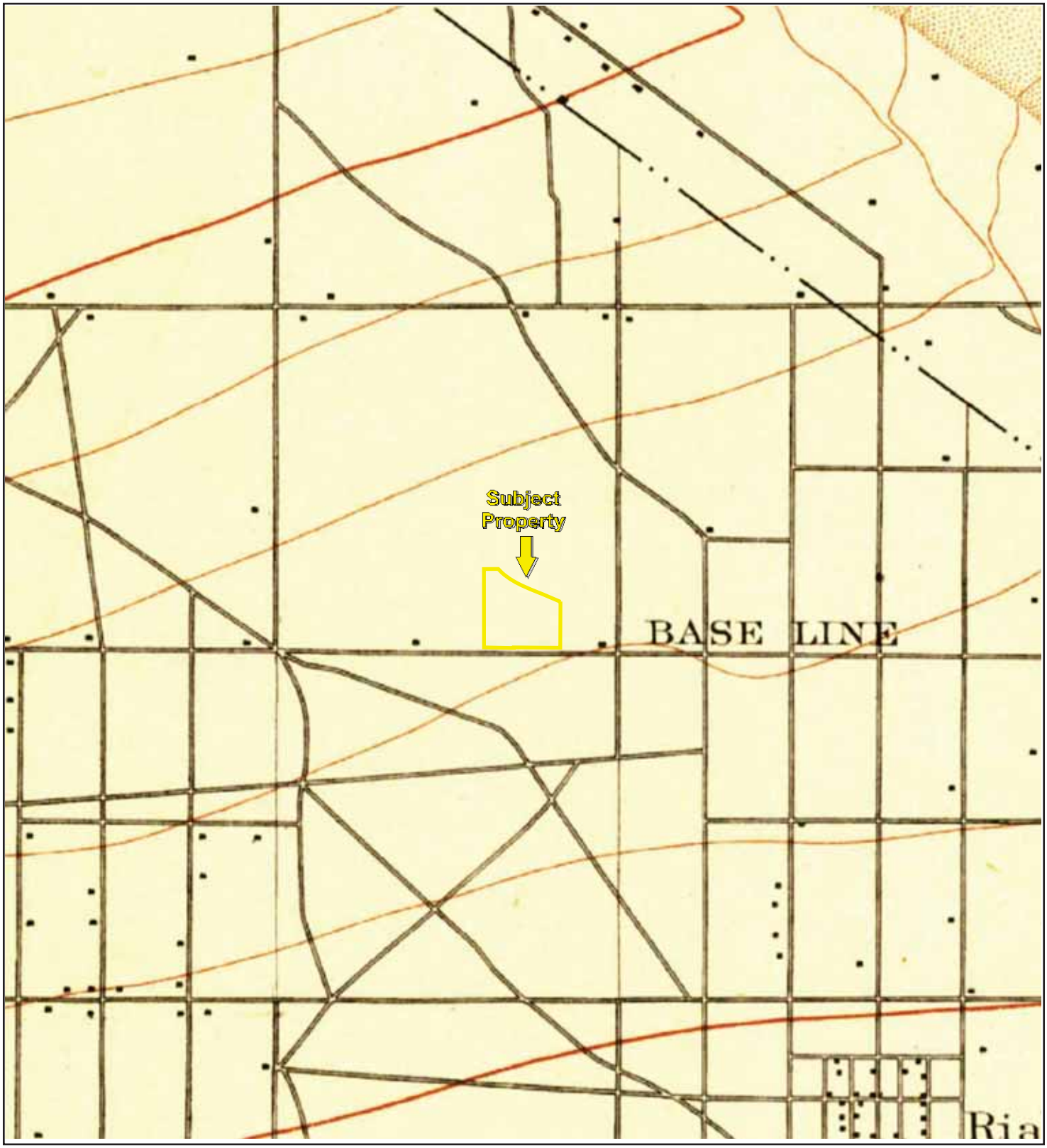
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



TP, San Bernardino, 1901, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

NE, Arrowhead, 1936, 7.5-minute
SE, Colton, 1938, 7.5-minute
NW, Devore, 1936, 7.5-minute

0 Miles 0.25 0.5 1 1.5

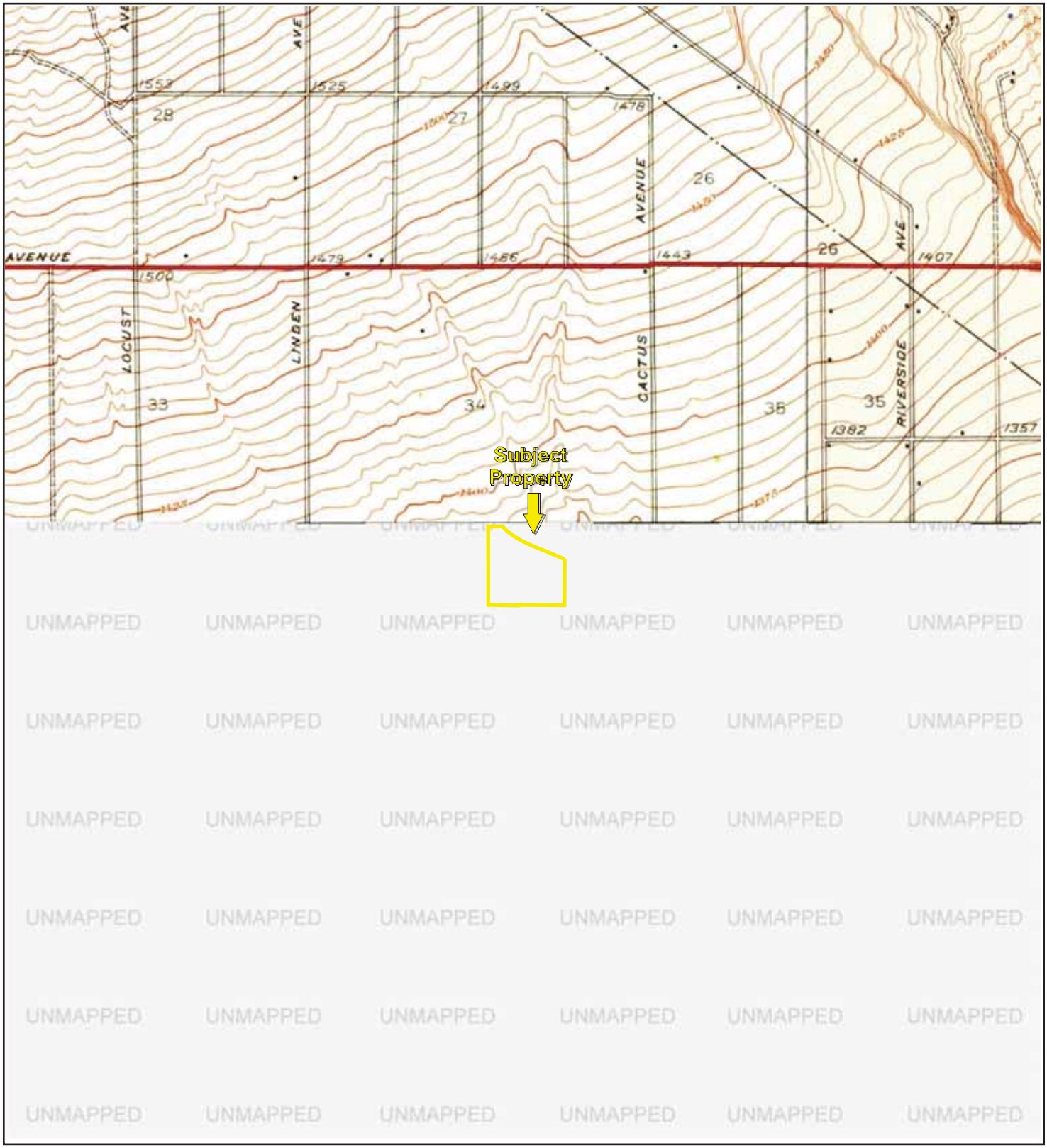
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



NE, Arrowhead, 1941, 7.5-minute
NW, Devore, 1941, 7.5-minute

0 Miles 0.25 0.5 1 1.5

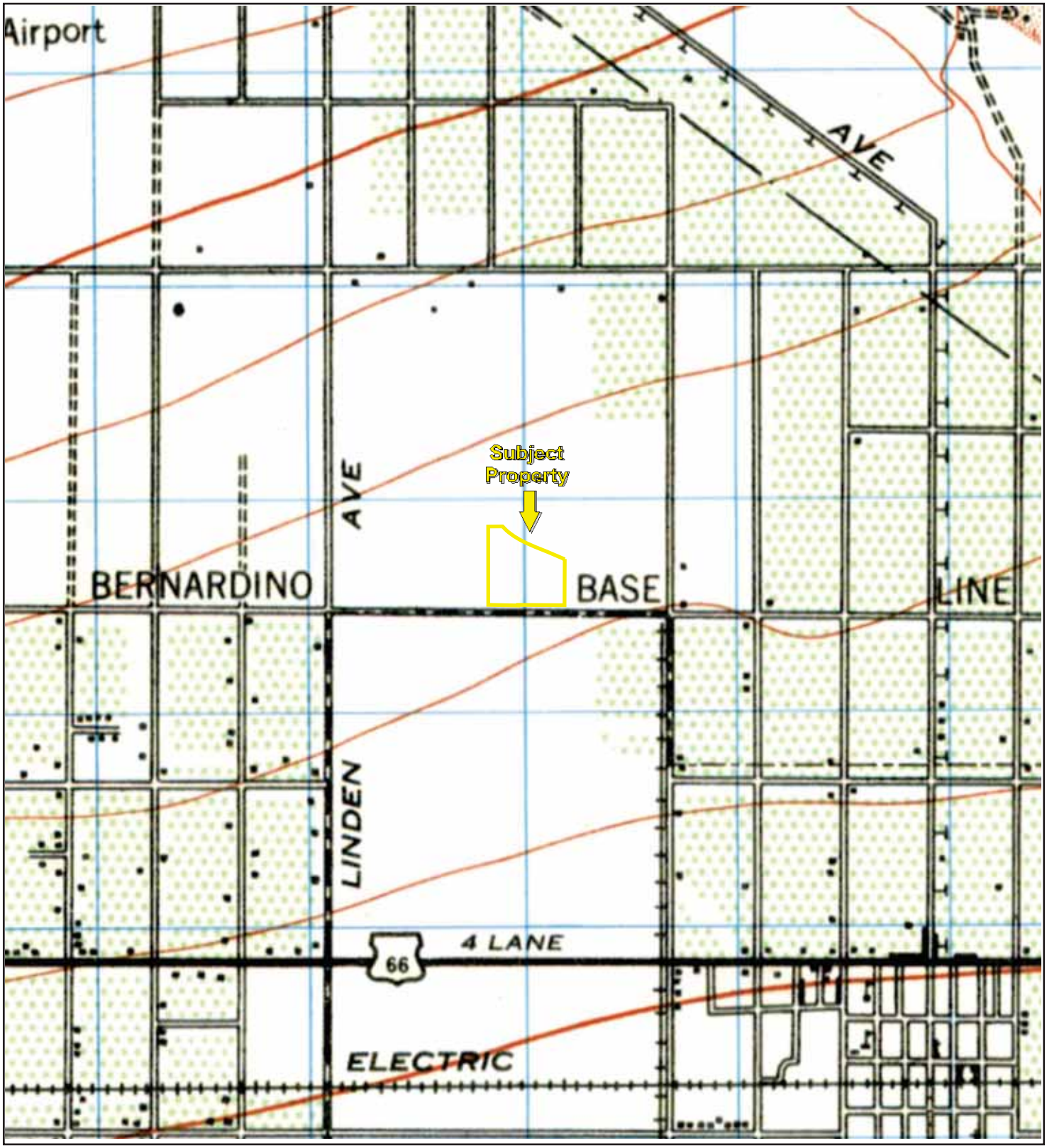
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER

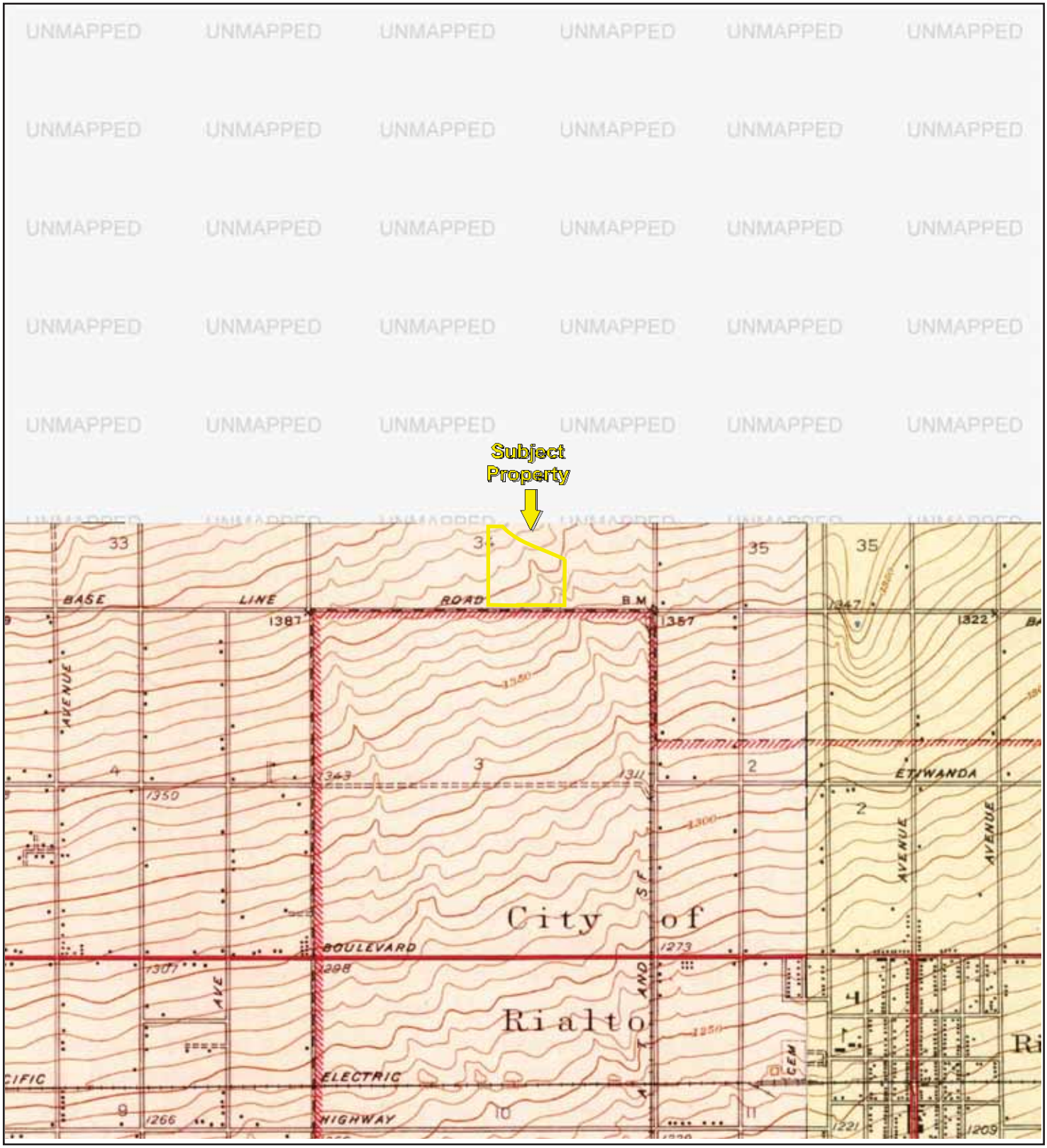


TP, SAN BERNARDINO, 1942, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

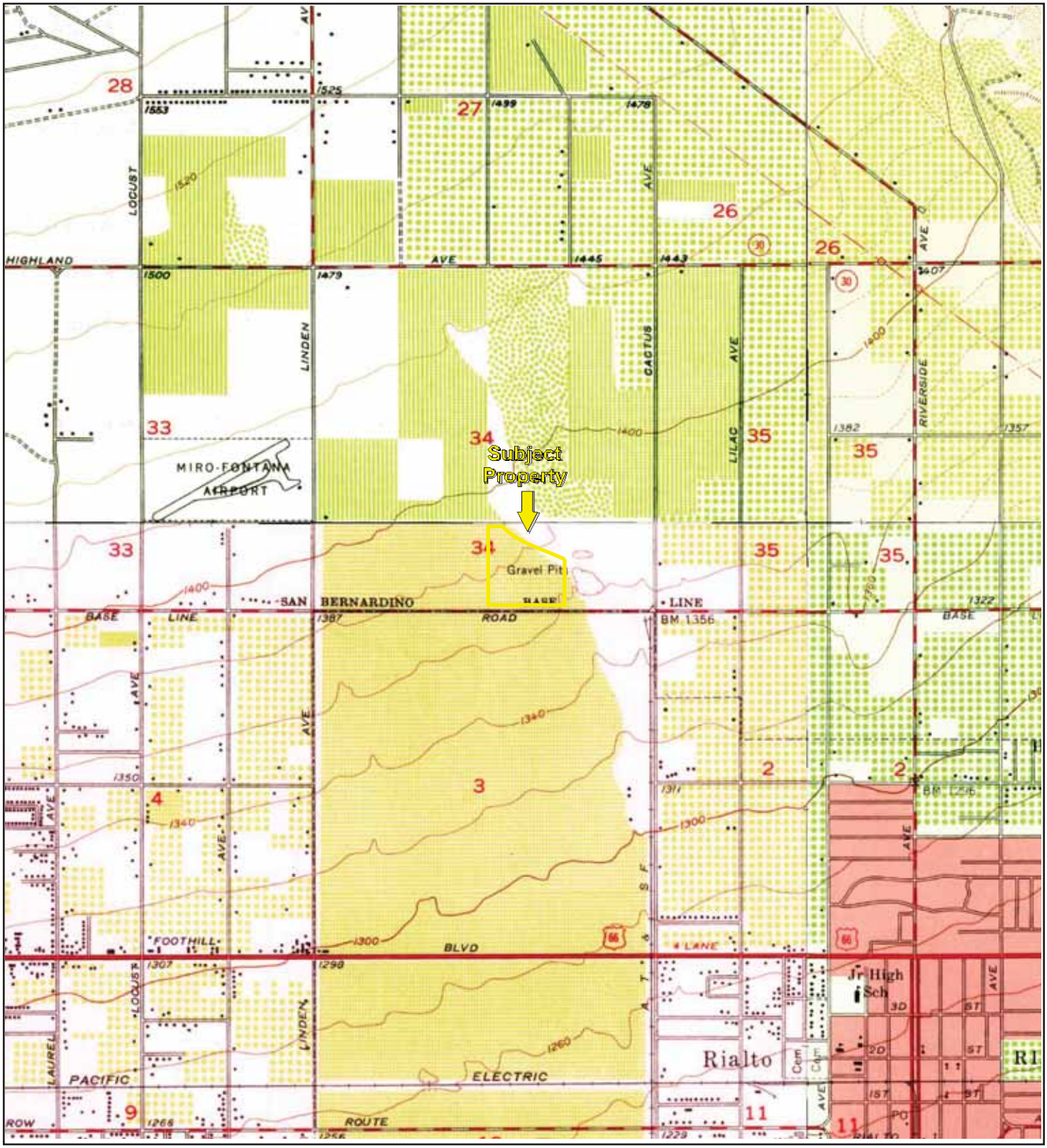


TP, Fontana, 1943, 7.5-minute
SE, Colton, 1943, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Fontana, 1953, 7.5-minute
NE, San Bernardino North, 1954, 7.5-minute
SE, San Bernardino South, 1954, 7.5-minute
NW, Devore, 1954, 7.5-minute

0 Miles 0.25 0.5 1 1.5

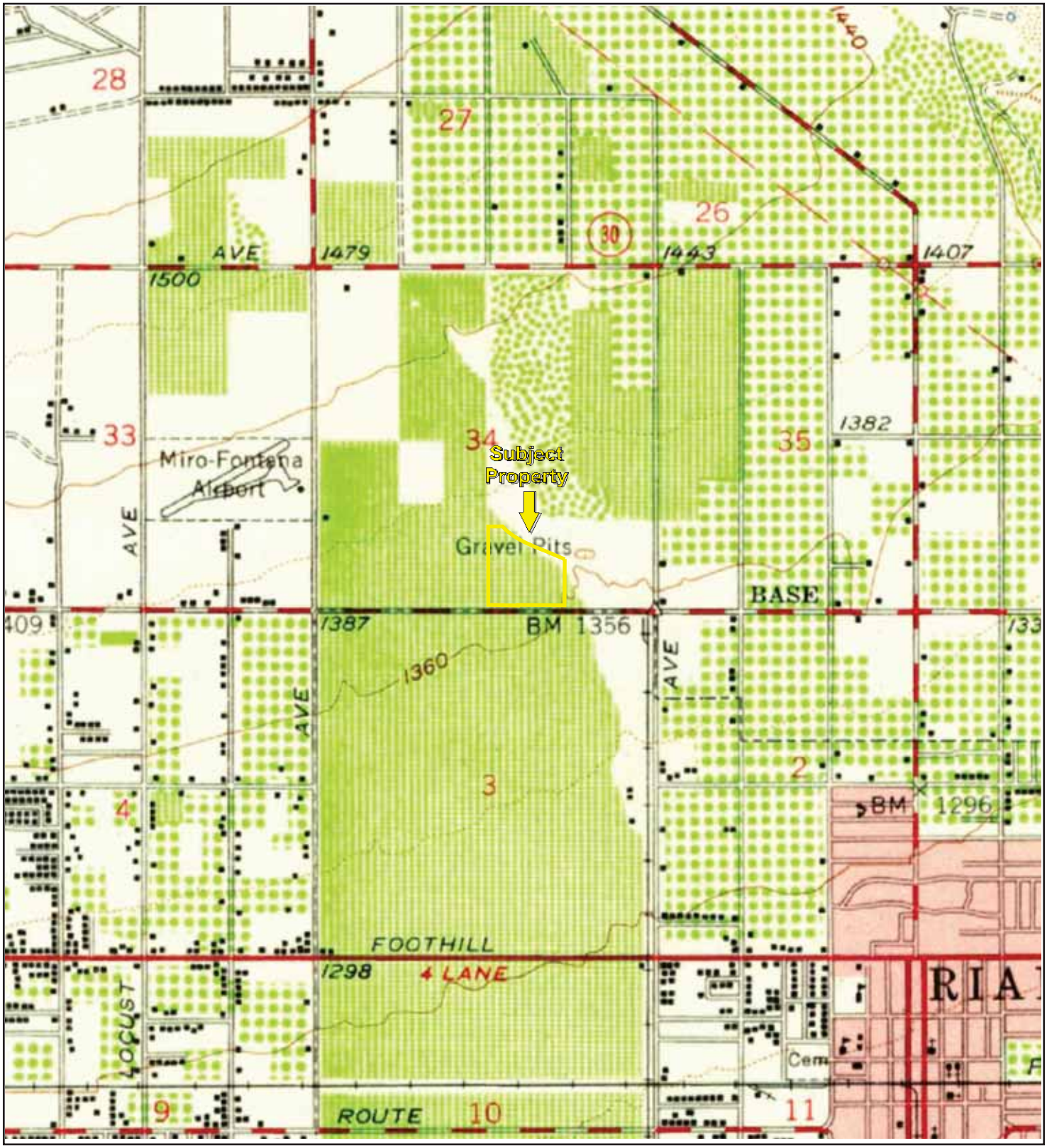
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



TP, San Bernardino, 1954, 15-minute

0 Miles 0.25 0.5 1 1.5

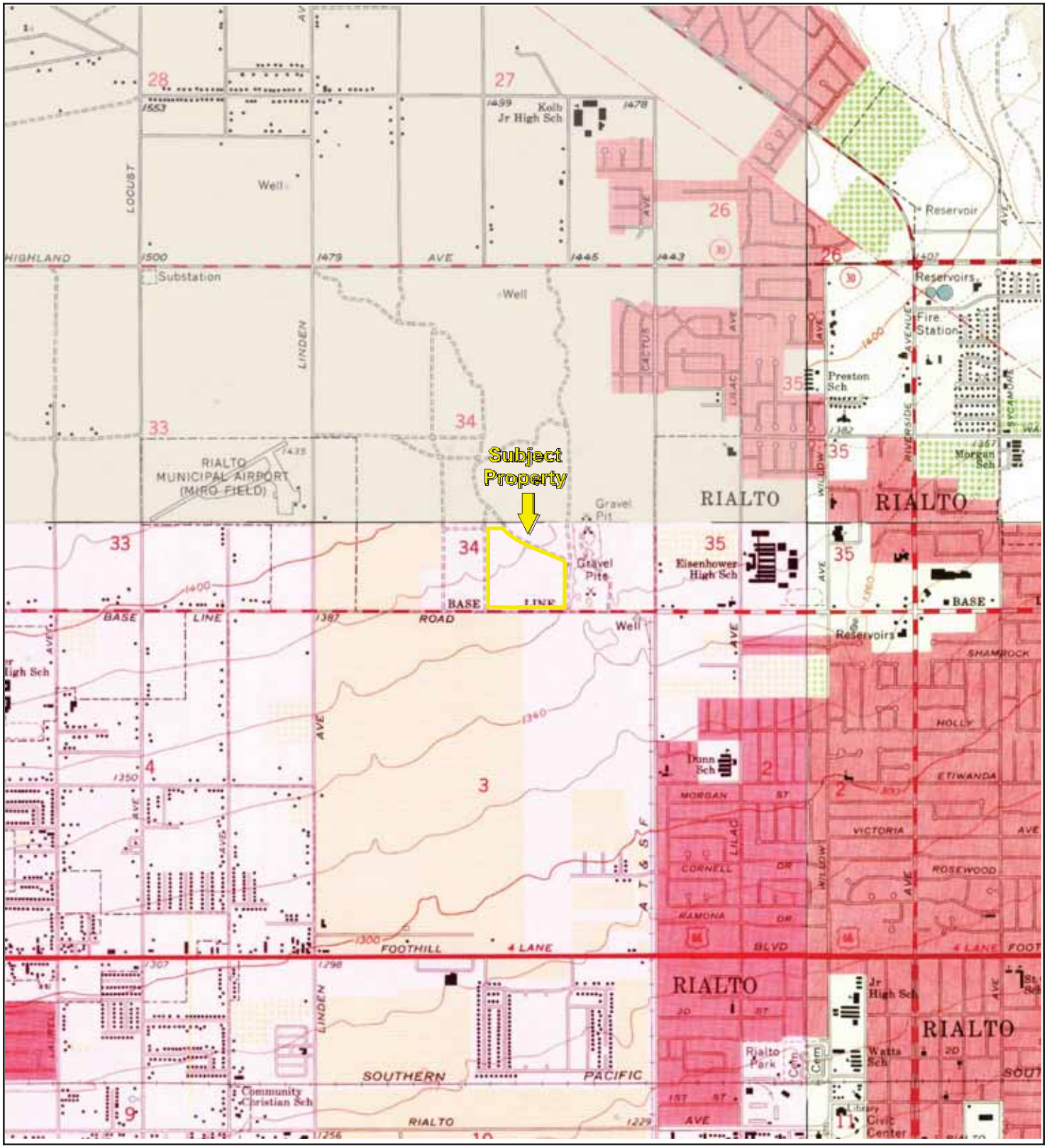
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



TP, Fontana, 1967, 7.5-minute
NE, San Bernardino North, 1967, 7.5-minute
SE, San Bernardino South, 1967, 7.5-minute
NW, Devore, 1966, 7.5-minute

0 Miles 0.25 0.5 1 1.5

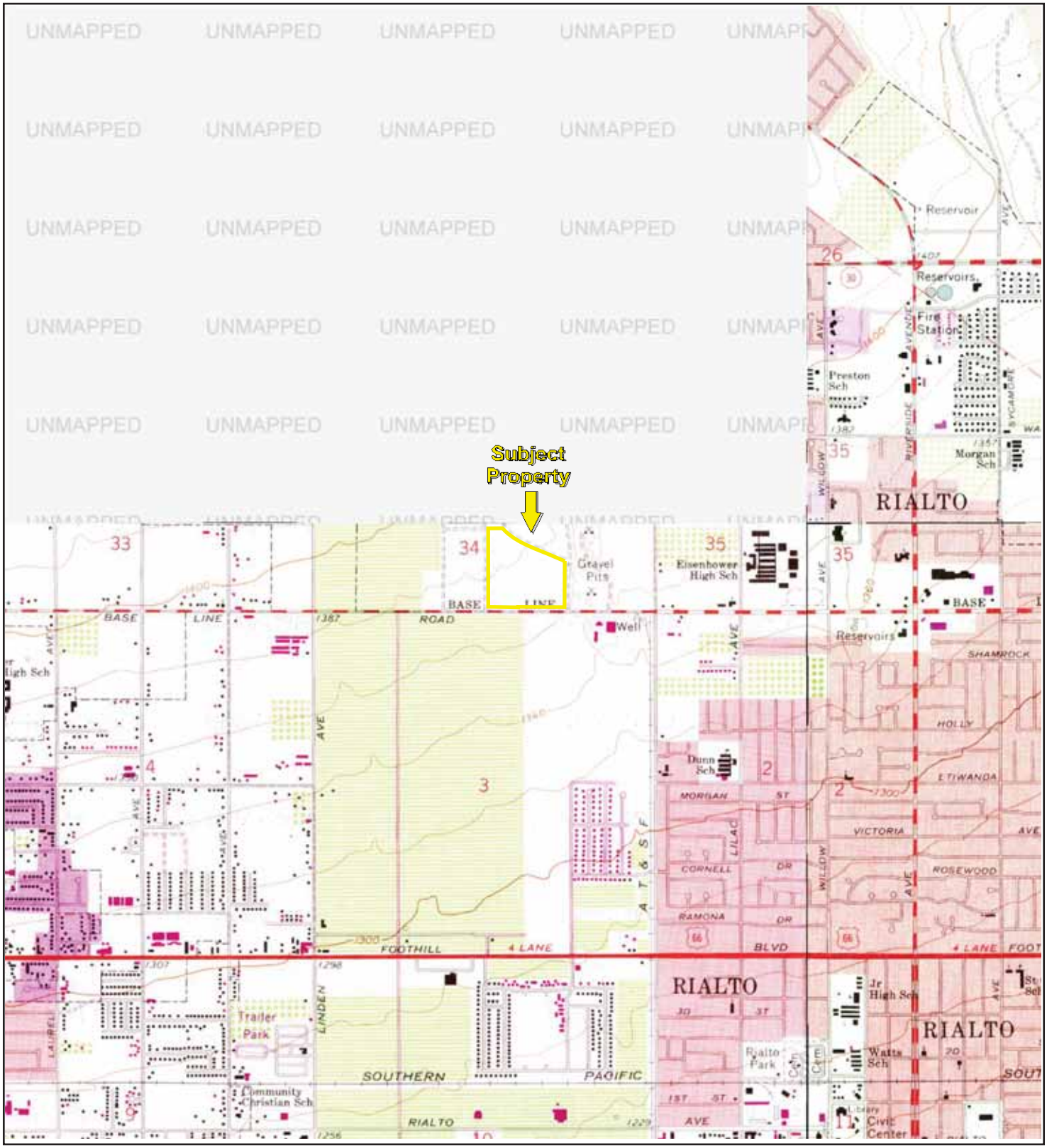
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



TP, Fontana, 1973, 7.5-minute
NE, San Bernardino North, 1973, 7.5-minute
SE, San Bernardino South, 1973, 7.5-minute

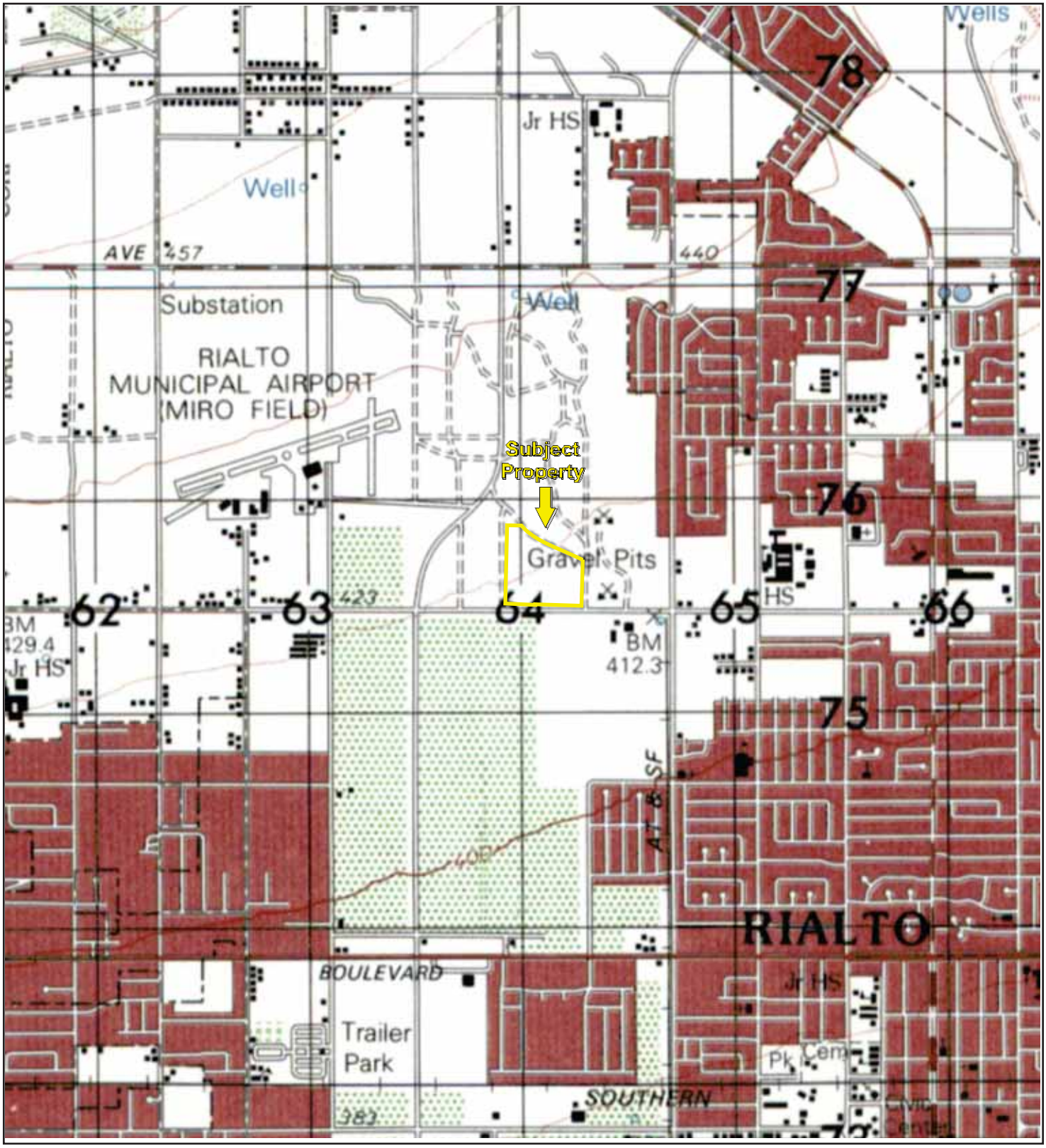
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1



TP, SAN BERNARDINO, 1975, 15-minute

0 Miles 0.25 0.5 1 1.5

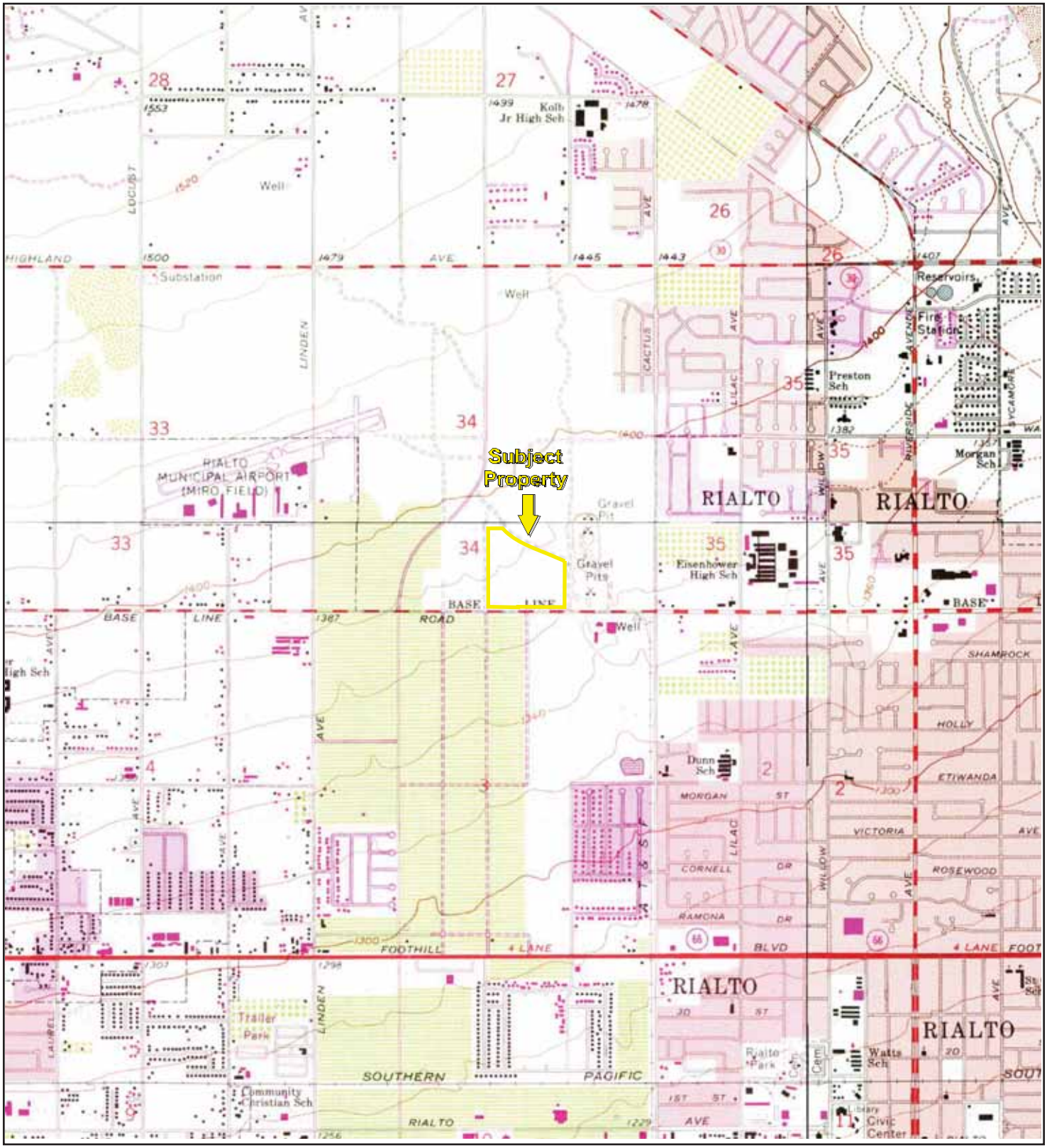
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



TP, Fontana, 1980, 7.5-minute
NE, San Bernardino North, 1980, 7.5-minute
SE, San Bernardino South, 1980, 7.5-minute
NW, Devore, 1980, 7.5-minute

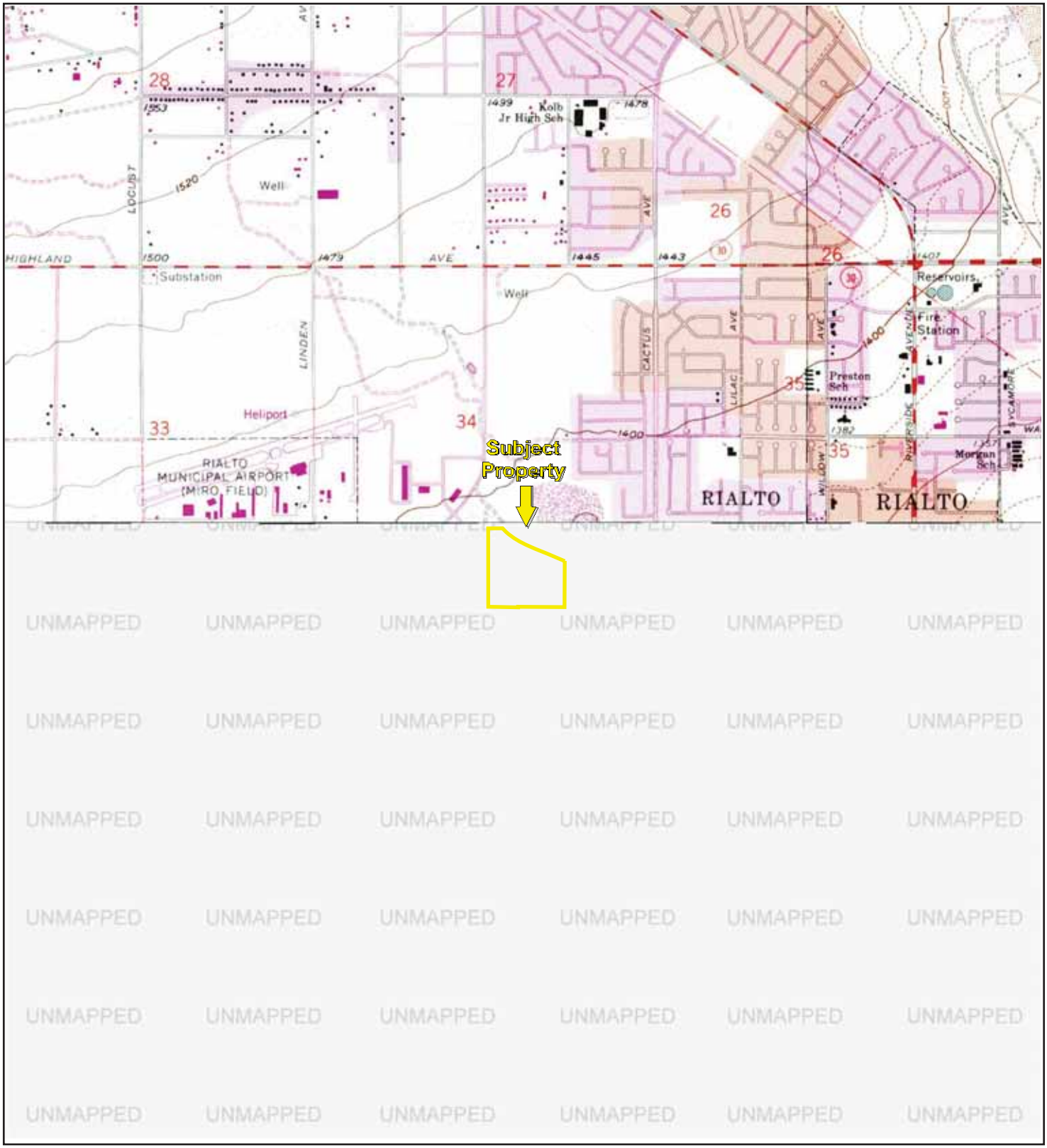
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

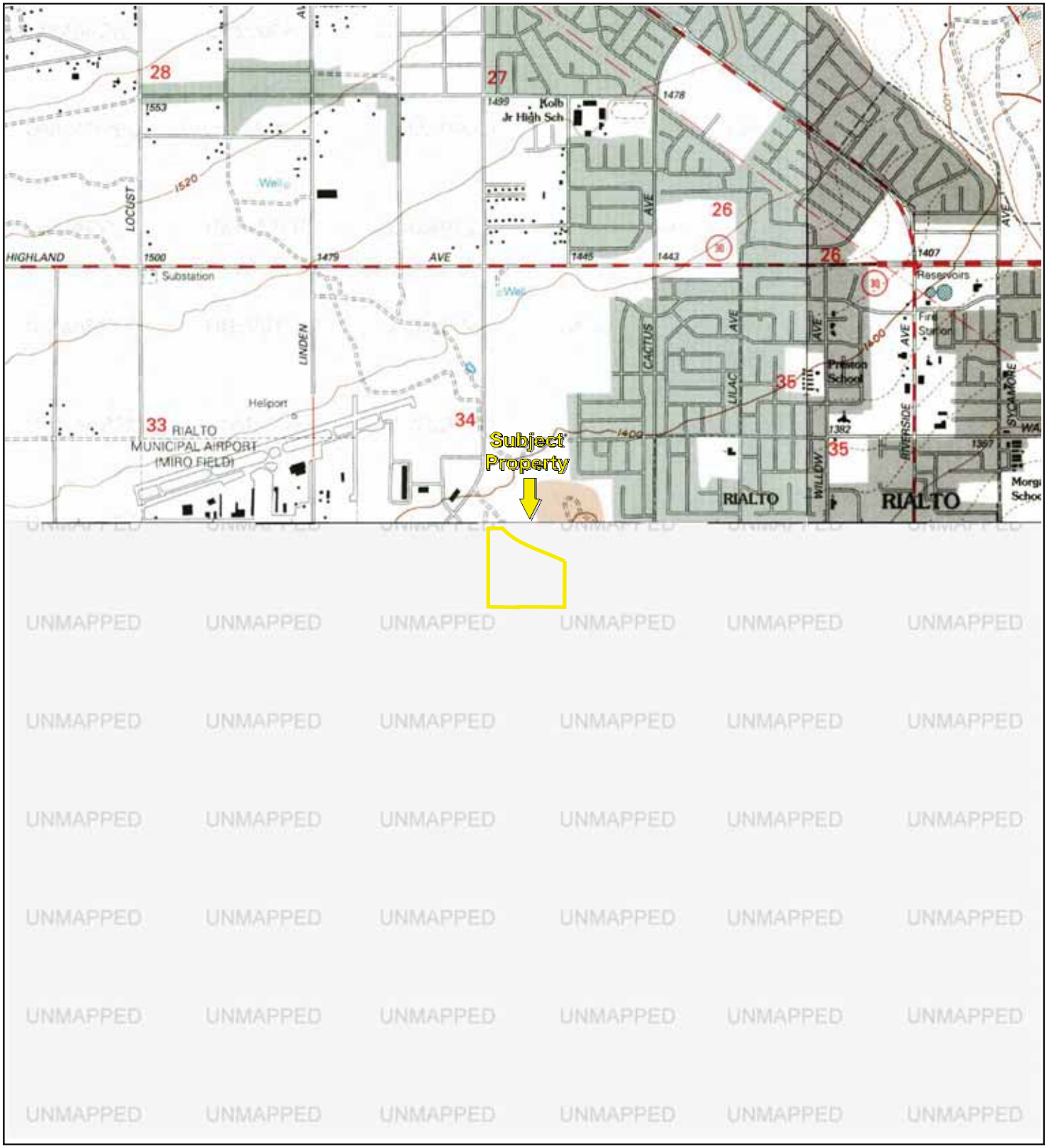


NE, San Bernardino North, 1988, 7.5-minute
NW, Devore, 1988, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



UNMAPPED

NE, San Bernardino North, 1996, 7.5-minute
NW, Devore, 1996, 7.5-minute

0 Miles 0.25 0.5 1 1.5

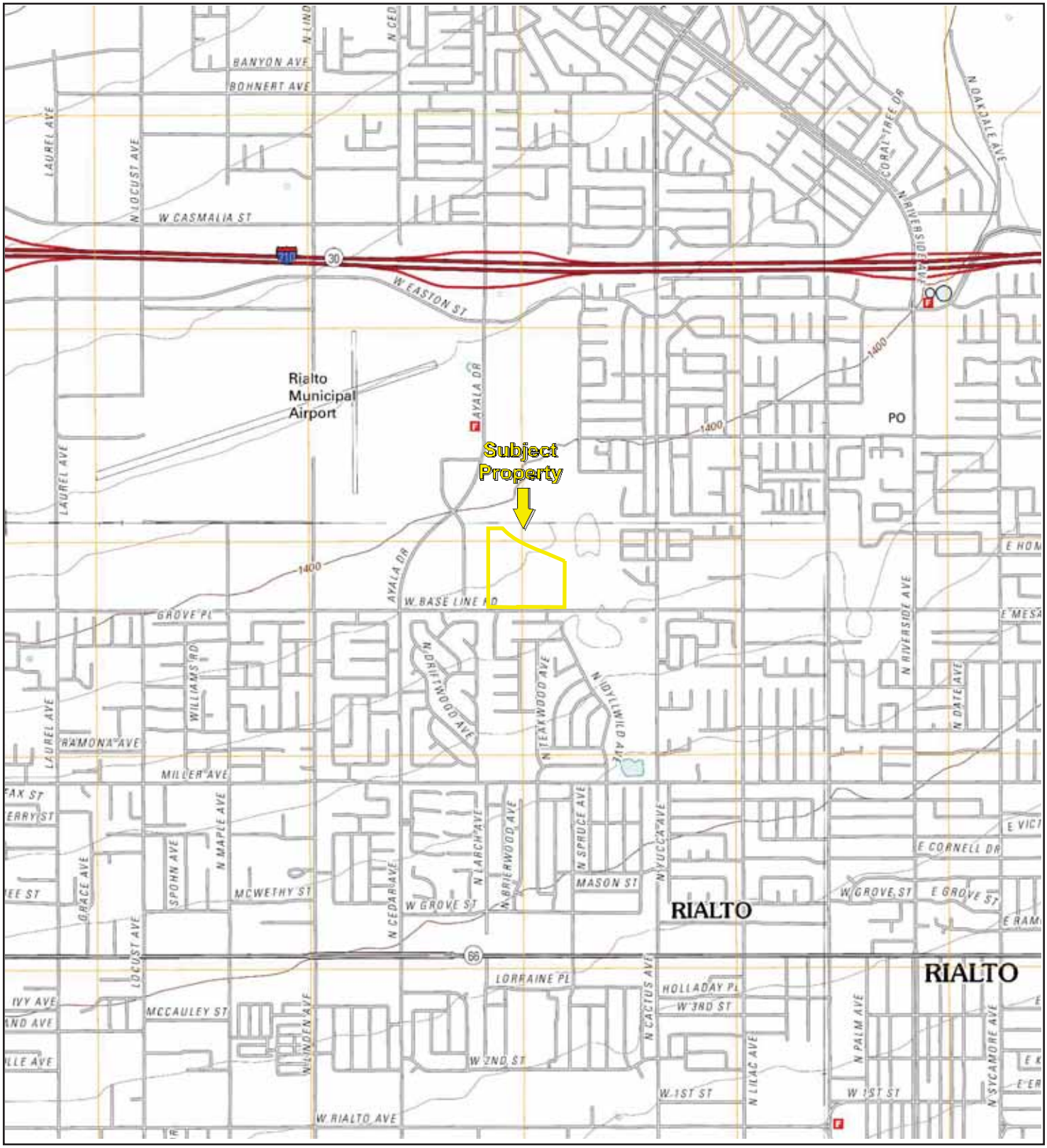
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER



TP, Fontana, 2012, 7.5-minute
NE, San Bernardino North, 2012, 7.5-minute
SE, San Bernardino South, 2012, 7.5-minute
NW, Devore, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-322623.1

PARTNER

San Bernardino County Assessor-Recorder-Clerk
Senator Bob Dutton (Ret.)

Report generated: Wednesday, June 2, 2021

Parcel Report

Parcel

Parcel:	0264213180000
Parcel Status:	A = ACTIVE
Parcel Type:	0 = REAL PROPERTY
Property ID:	
Tax Status:	1 = ASSESSED BY COUNTY
Use Code:	VACANT
Land Access:	PUB/PV PUBLIC PAVED
Size:	09 = 25.001 ACRES AND OVER
Land Type:	01 = INDUSTRIAL
District:	FONTANA
Resp Group:	D = REAL PROPERTY
RespnUnit:	IND = INDUSTRIAL ZONE OR USE

Owner

Owner 1:	OAKMONT RIALTO OLIVE GROVE LLC
Owner 2:	
Effective Date:	01/09/2008

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
OAKMONT RIALTO OLIVE GROVE LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	01/10/2008	01/10/2008	NONE	20080012596

Legal Tract Map

Tract	Lot	Block	Unit	Book	Page

Legal Description

Legal Description
PTN SW 1/4 SE 1/4 SEC 34 TP 1N R 5W LYING S OF A T AND S F RR R/W EX ST

Legal Reason For Change

Legal Reason For Change	Document Number	Recorded Date
STR = STREET DEED	#58	09/13/1956

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improve Penalty
2020	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$19,380,558	$0	0
2019	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$19,000,547	$0	0
2018	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$18,627,987	$0	0
2017	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$18,262,732	$0	0
2016	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$17,904,639	$0	0
2015	6012	NO	03/21/2017	530D	OAKMONT RIALTO OLIVE GROVE LLC		$16,300,000	$0	0
2014	6012	NO	04/15/2015	570I	OAKMONT RIALTO OLIVE GROVE LLC		$14,790,000	$0	0
2013	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$10,085,227	$0	0
2012	6012	NO			OAKMONT RIALTO OLIVE GROVE LLC		$8,740,530	$0	0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
12/30/2015	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
12/30/2014	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
12/30/2013	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
12/30/2012	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
12/30/2011	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
12/30/2010	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
12/30/2009	REVIEW - PROP 8 INITIATED BY TAXPAYER	NO	
12/30/2008	REVIEW - PROP 8 INITIATED BY TAXPAYER	NO	
01/09/2008	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
06/30/2006	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
10/31/2005	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
12/28/1998	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
04/27/1995	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
04/26/1988	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
02/24/1986	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
02/27/1979	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
02/27/1973	CREATE - WORKED IN OLD SYSTEM (NONREPAR)	NO	

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
OAKMONT RIALTO OLIVE GROVE LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	01/10/2008	01/10/2008	NONE	20080012596
LEWIS-HILLWOOD RIALTO CO 2 LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	06/30/2006	06/30/2006	01/09/2008	20060448338
LEWIS-HILLWOOD RIALTO COMPANY LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	11/01/2005	11/01/2005	06/29/2006	20050821815
FROME DEVELOPMENTS OMEGA LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	NONE	12/29/1998	10/31/2005	9855661200000
FROME DEVELOPMENTS	PT = PARTNERSHIP	100.0000	B = BILLED OWNER	NONE	04/27/1995	12/28/1998	9513435800000
SCENIC CORRIDOR INDUSTRIAL PARK	PT = PARTNERSHIP	100.0000	B = BILLED OWNER	NONE	04/26/1988	04/26/1995	8812387700000
AMERICA DEVCO INC	CT = CORPORATION	100.0000	B = BILLED OWNER	01/01/1979	07/16/1982	04/25/1988	8213840000000
CAPITAL PLANNING MORTGAGE CO	SO = SOLE OWNER	0.0000	B = BILLED OWNER	NONE	NONE	02/24/1986	
RIALTO RANCHES LTD	SO = SOLE OWNER	0.0000	B = BILLED OWNER	NONE	NONE	02/27/1979	

Supplement History

Suplement Date	Roll Type	Suplement Type	Revised IND	Corrected Date	Correction Code	Supplement Year	Legal Status	TRA	E
01/10/2008	INT = INTERIM SUPPLEMENT	TRF = OWNERSHIP TRANSFER				2008	Secured	6012	C F C
01/10/2008	REG = REGULAR SUPPLEMENT	TRF = OWNERSHIP TRANSFER				2008	Secured	6012	C F C
11/01/2005	REG = REGULAR SUPPLEMENT	TRF = OWNERSHIP TRANSFER				2005	Secured	6012	L H F C
04/27/1995	INT = INTERIM SUPPLEMENT	TRF = OWNERSHIP TRANSFER				1995	Secured	6012	F D
04/27/1995	REG = REGULAR SUPPLEMENT	TRF = OWNERSHIP TRANSFER				1995	Secured	6012	F D

Land Characteristics

Effective Date From:	12/29/1998
Effective Date to:	Present
Zoning:	I-AR
Lot Width:	0.00
Lot Depth:	0.00
Footage:	1,344,697
Gross Acre:	30.87
Net Acre:	0
Access:	1 = PUBLIC PAVED
Slope Dir:	0 = NONE
Slope Degree:	0 = LEVEL
View Quality:	0 = NONE
View Type:	0 = NONE
Sewer:	1 = PUBLIC
Water:	1 = PUBLIC
Elec.:	2 = OVERHEAD
Gas:	1 = PUBLIC
Offsite:	0 = NONE
Enc/Eas:	0 = NONE
Nuisance1:	0 = NONE
Nuisance2:	0 = NONE
Spc Infl1:	0 = NONE
Spc Infl2:	0 = NONE
Dock Rts:	0 = NONE
Lease Exp:	

Property Information Management System

San Bernardino County

Office of the Assessor

CHARACTERISTICS REPORT FOR PARCEL 0264-213-18-0000

Parcel	0264213180000
Parcel Status	ACTIVE
Parcel Type	REAL PROPERTY
Property ID	
Tax Status	ASSESSED BY COUNTY
Use Code	VACANT
Land Access	PUBLIC PAVED
Size	25.001 ACRES AND OVER
Land Type	INDUSTRIAL
District	FONTANA
Resp Group	REAL PROPERTY
Resp Unit	INDUSTRIAL ZONE OR USE

Characteristics

Land Characteristics

Effective Dates: 12/29/1998 - present

Zoning	I-AR	**Access**	PUBLIC PAVED
Lot Width	0.00	**Offsite Improvements**	NONE
Lot Depth	0.00	**Encroachment/Easement**	NONE
Footage	1344697	**Dock Rights**	NONE
Gross Acre	30.870	**Lease Exp**	
Net Acre	0.000		

Slope

Direction	NONE
Degree	LEVEL

Utilities

Sewer	PUBLIC
Water	PUBLIC
Electricity	OVERHEAD
Gas	PUBLIC

Nuisance Code	Special Influence	View	
NONE	NONE	**Quality**	NONE
NONE	NONE	**Type**	NONE

SFR Characteristics

No SFR Characteristics

Other Characteristics

No Other Characteristics

THIS MAP IS FOR THE PURPOSE OF AD VALOREM TAXATION ONLY.

S.1/2, Sec.34, T.1N.,R.5W., S.B.B.&M.

City of Rialto
Tax Rate Area
6012,6111

0264 – 21

1"=400'

W.1/4 — CENTER SEC.34 — S.W. COR. SEC.34 — S.E. COR. SEC.34

LINDEN AVENUE — WADLEIGH STREET — PALM AVE — LEISKE DR — CEDAR AVENUE — AYALA DRIVE — ELLSWORTH ST — CACTUS AVENUE

BASELINE ROAD

MIRO WAY

M.B. 18/72 — M.B. 18/22 — P.M. 56/86 — P.M. 61/55-56 — P.M. 62/52-53 — P.M. 254/72-74 — P.M. 237/29-30 — P.M. 199/92-93 — P.M. 204/48-49 — P.M. 208/25-26

T.1N., R.5W. — T.1S., R.5W.

A.T.&S.F. R.R. — T.R.A.

MAP NO. 2606-36-180 PAR. NO. 1 (POSS. INT. ONLY)

MAP 804-36-11 PAR. NO. 1 M.R.O.

MAP 804-36-11E PTN. PAR. NO. 16 M.R.O.

MAP 804 36 11E PAR. NO. 15 M.R.O.

MAP 804-36-11 PAR. NO. 5 M.R.O.

(51) Par. 1

(53) Par. 3

(46) MAP 804-36-11E PAR. NO. 15 M.R.O.

0240/25 — 0240/26 — 0128/65 — 0128/68 — 0128/02 — 0127/28

Parcel Map No. 6543, P.M. 61/55-56
Parcel Map No. 5343, P.M. 56/86
Palmer Subdivision, M.B. 18/72
Ptn. Rialto Heights, M.B. 18/22
Ptn. Parcel Map No. 16906, P.M. 208/25-26
Parcel Map No. 16062, P.M. 204/48-49
Parcel Map No. 16108, P.M. 199/92-93
Ptn. Parcel Map No. 6608, P.M. 62/52-53
Parcel Map No. 20004, P.M. 254/72-74
Ptn. Parcel Map No. 19211, P.M.237/29-30

February 2004

Assessor's Map
Book 0264 Page 21
San Bernardino County

REVISED
02/06/20 GW
02/20/20 KC
02/21/20 KC
02/22/20 KC
09/09/20 GW

Jerry Eaves Park 1485 N Ayala Drive
1375 N Fitgerald Ave
1345 N Fitgerald Ave
1325 N Fitgerald Ave
1285 N Fitgerald Ave
1265 N Fitgerald Ave
1245 N Fitgerald Ave
SB Co Flood Control District
SB Co Flood Control District
W Base Line Rd
W Base Line Rd
1192
1191
1040
960
934
922
908
1171
Glenwood
Idyllwild Ave
SB Co Flood Control District
W Mesa Dr
W Jackson St
W Ayala Dr
Jerry Eaves Park
W Winchest
W Virgin
W Home St
W Maripo
W Margarita
N Idyllwild Ave
N Elmwood Ave
N Glenwood Ave
Oakwood Ave

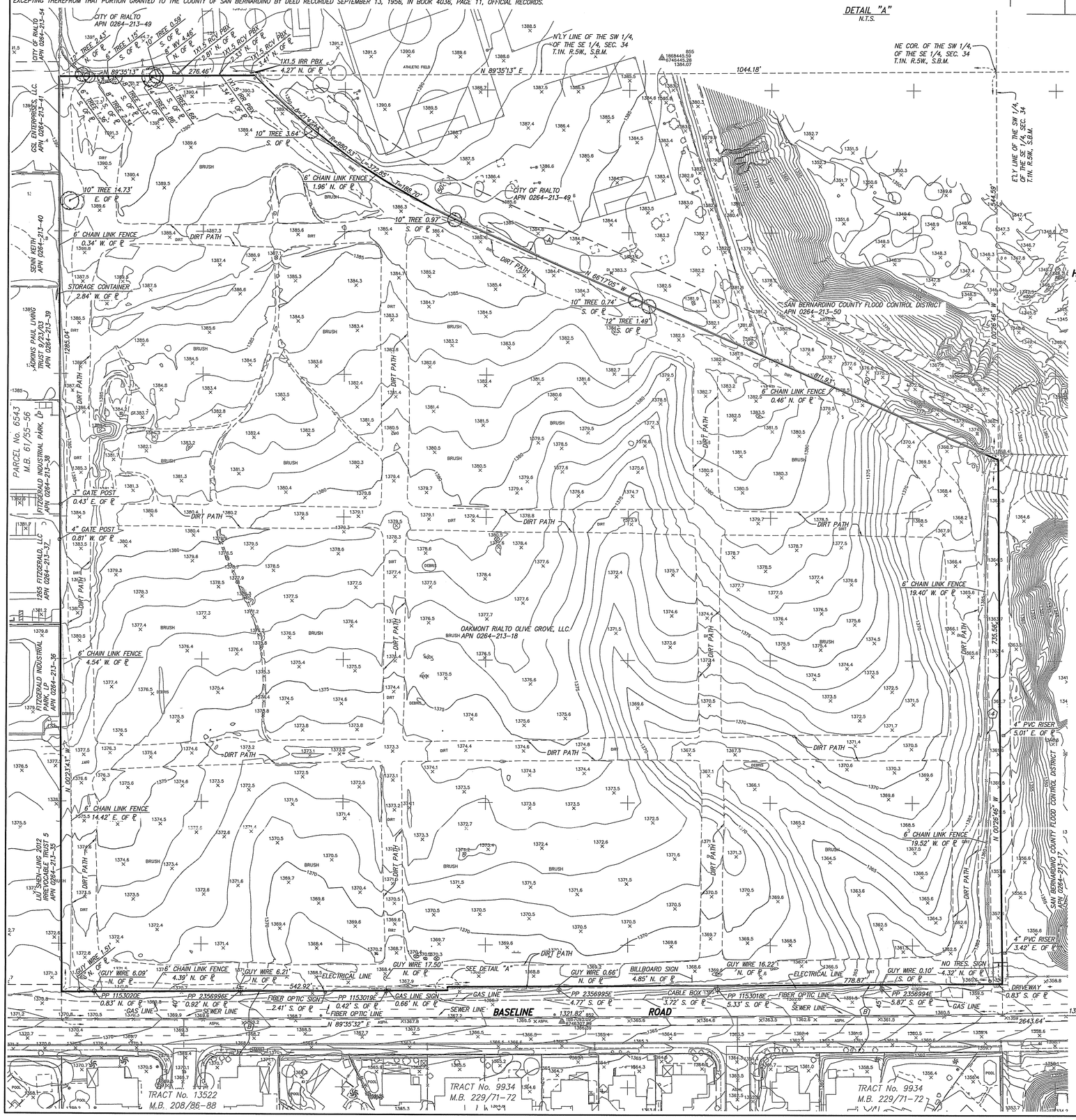
A.L.T.A./N.S.P.S. LAND TITLE SURVEY

IN THE CITY OF RIALTO, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

LEGAL DESCRIPTION PER TITLE REPORT:

THAT PORTION OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 34, TOWNSHIP 1 NORTH, RANGE 5 WEST, SAN BERNARDINO BASE AND MERIDIAN, IN THE CITY OF RIALTO, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND APPROVED BY THE SURVEYOR GENERAL, OCTOBER 14, 1875, WHICH LIES SOUTH OF THE 50 FOOT STRIP GRANTED TO SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT BY QUITCLAIM DEED RECORDED JANUARY 23, 1981, INSTRUMENT No. 81-019914, OFFICIAL RECORDS, RECORDS OF SAN BERNARDINO COUNTY.

EXCEPTING THEREFROM THAT PORTION GRANTED TO THE COUNTY OF SAN BERNARDINO BY DEED RECORDED SEPTEMBER 13, 1956, IN BOOK 4036, PAGE 11, OFFICIAL RECORDS.



DATE OF SURVEY:
FIELD SURVEY: OCTOBER 19, 2007 (UPDATED: MAY 10, 2019)
AERIAL TOPO: MAY 19, 2005

AREA:
1,376,888 S.F./ 31.609 AC. (GROSS)

BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE LINE BETWEEN GPS CONTROL POINT LISTING No. 20746 AND GPS CONTROL POINT LISTING No. 20742 FOR SAN BERNARDINO COUNTY SURVEYOR GPS POINT LISTINGS DATED AUGUST 17, 1998, SHOWN HEREON AS NORTH 00°29'49" WEST; SAID LINE BEING THE CENTERLINE OF CACTUS AVENUE BETWEEN THE CENTERLINE INTERSECTIONS OF BASELINE ROAD AND HIGHLAND AVENUE.

ZONING INFORMATION:
I-AR : INDICATES "AIRPORT RELATED INDUSTRIAL SPECIFIC PLAN"
SOURCE: OLIVE GROVE SPECIFIC PLAN No. 9
PREPARED BY: TEMPLETON PLANNING GROUP (949) 718-0640

FLOOD ZONE:
COMMUNITY PANEL NUMBER: 06071C8657H
EFFECTIVE DATE: AUGUST 28, 2008
ZONE X: THE AREA IS DETERMINED BE OUTSIDE THE 500-YEAR FLOODPLAIN.

ADDITIONAL NOTE:
(A) INDICATES DEED TO SAN BERNARDINO FLOOD CONTROL DISTRICT: RECORDED 1/28/1981, INSTRUMENT No. 81-019914, O.R.
(B) INDICATES DEED TO SAN BERNARDINO COUNTY; RECORDED 9/13/1956, IN BOOK 4036, PAGE 11, O.R.

OWNERS OF RECORD PER TITLE REPORT
OAKMONT RIALTO OLIVE GROVE, LLC, A DELAWARE LIMITED LIABILITY COMPANY

THE FOLLOWING ENCUMBRANCES ARE PER PRELIMINARY TITLE REPORT.
PREPARED BY: CHICAGO TITLE COMPANY
TITLE OFFICER: JOHN BALASSI
ORDER NUMBER: 00108438-987-OC1-K27
EFFECTIVE DATE: APRIL 23, 2019

A. PROPERTY TAXES, WHICH ARE A LIEN NOT YET DUE AND PAYABLE, INCLUDING ANY ASSESSMENTS COLLECTED WITH TAXES TO BE LEVIED FOR THE FISCAL YEAR 2019-2020.

B. THE LIEN OF SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO THE PROVISIONS OF CHAPTER 3.5 (COMMENCING WITH SECTION 75) OR PART 2, CHAPTER 3, ARTICLES 3 AND 4, RESPECTIVELY, OF THE REVENUE AND TAXATION CODE OF THE STATE OF CALIFORNIA AS A RESULT OF THE TRANSFER OF TITLE TO THE VESTEE NAMED IN SCHEDULE A OR AS A RESULT OF CHANGES IN OWNERSHIP OR NEW CONSTRUCTION OCCURRING PRIOR TO DATE OF POLICY.

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.

2. AN EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
   GRANTED TO: SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
   PURPOSE: ROAD AND INCIDENTAL PURPOSES
   RECORDED: DECEMBER 30, 1946 IN BOOK 1974 PAGE 227 OFFICIAL RECORDS
   AFFECTS: AS DESCRIBED IN SAID DOCUMENT

3. DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, OR ANY OTHER MATTERS SHOWN ON
   MAP: RECORD OF SURVEY
   RECORDING NO: BOOK 75, PAGE 55

4. THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT AREA OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDINGS FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY A DOCUMENT.
   PROJECT: RIALTO INDUSTRIAL REDEVELOPMENT PROJECT AREA
   RECORDING DATE: AUGUST 23, 1989
   RECORDING NO: 89-308985 OFFICIAL RECORDS

5. THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT AREA OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDINGS FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY A DOCUMENT.
   PROJECT: THE MERGED AGUA MANSA, CENTRAL BUSINESS DISTRICT, GATEWAY, AND INDUSTRIAL REDEVELOPMENT PROJECTS
   RECORDING DATE: JULY 10, 2002
   RECORDING NO: 2002-0355175 OFFICIAL RECORDS

6. A DEED OF TRUST TO SECURE AN INDEBTEDNESS IN THE AMOUNT SHOWN BELOW,
   AMOUNT: $23,875,000.00
   DATED: JANUARY 10, 2008
   TRUSTOR/GRANTOR OAKMONT RIALTO OLIVE GROVE, LLC, A DELAWARE LIMITED LIABILITY COMPANY
   TRUSTEE: PRLAP, INC.
   BENEFICIARY: BANK OF AMERICA, N.A.
   RECORDING DATE: JANUARY 10, 2008
   RECORDING NO: 2008-12597 OFFICIAL RECORDS

   AN AGREEMENT TO MODIFY THE TERMS AND PROVISIONS OF SAID DEED OF TRUST AS THEREIN PROVIDED
   RECORDING DATE: MARCH 03, 2009
   RECORDING NO: 2009-0088421 OFFICIAL RECORDS

   AN AGREEMENT TO MODIFY THE TERMS AND PROVISIONS OF SAID DEED OF TRUST AS THEREIN PROVIDED
   RECORDING DATE: JANUARY 14, 2010
   RECORDING NO: 2010-0016676 OFFICIAL RECORDS

7. ANY RIGHT, INTEREST OR CLAIM THAT MAY EXIST, ARISE OR BE ASSERTED AGAINST THE TITLE UNDER OR PURSUANT TO THE PERISHABLE AGRICULTURAL COMMODITIES ACT OF 1930, AS AMENDED, 7 USC 499A ET SEQ., THE PACKERS AND STOCKYARD ACT OF 1921, AS AMENDED, 7 USC 181 ET SEQ., OR ANY SIMILAR STATE LAWS.

8. ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS.

   THE COMPANY WILL REQUIRE, FOR REVIEW, A FULL AND COMPLETE COPY OF ANY UNRECORDED AGREEMENT, CONTRACT, LICENSE AND/OR LEASE, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS THERETO, BEFORE ISSUING ANY POLICY OF TITLE INSURANCE WITHOUT EXCEPTING THIS ITEM FROM COVERAGE.

   THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS AFTER REVIEWING SAID DOCUMENTS.

9. ANY EASEMENTS NOT DISCLOSED BY THE PUBLIC RECORDS AS TO MATTERS AFFECTING TITLE TO REAL PROPERTY, WHETHER OR NOT SAID EASEMENTS ARE VSIBLE AND APPARENT.

SURVEYOR'S CERTIFICATE:

TO: OAKMONT NATIONAL PARTNERS II, L.P., A DELAWARE LIMITED LIABILITY COMPANY, OAKMONT RIALTO OLIVE GROVE, LLC, A DELAWARE LIMITED LIABILITY COMPANY, PR OAK FUND II, LLC, A DELAWARE LIMITED LIABILITY COMPANY, CHICAGO TITLE INSURANCE COMPANY, AND EACH OF THEIR RESPECTIVE SUCCESSORS AND ASSIGNS.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2016, AND INCLUDES ITEMS 2, 3, 4, 5, 6, 8, 10, 11(A), 13, 14, 16, 17 AND 18 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, THE UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION AS A LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA, THE RELATIVE POSITIONAL ACCURACY IS 0.20 FEET.

THE UNDERSIGNED FURTHER CERTIFIES, BASED ON THE INFORMATION PROVIDED BY THE TITLE COMPANY, CLIENT AND FIELD SURVEY DATA AT THE TIME OF THE SURVEY AND PLAT PREPARATION, THAT IN MY OPINION AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF:

THAT THIS SURVEY PLAT IS BASED ON AN ACTUAL FIELD SURVEY MADE ON THE GROUND BY MADOLE AND ASSOCIATES, INC., COMPLETED ON OCTOBER 19, 2007 AND UPDATED ON MAY 10, 2019.

(a) THIS PLAT AND THE SURVEY ON WHICH IT IS BASED, FULLY AND CORRECTLY REPRESENTS THE PROPERTY DESCRIBED BY THE LEGAL DESCRIPTION NOTED HEREON AND OTHERWISE ACCURATELY REPRESENTS THE FACTS FOUND AT THE TIME OF THE SURVEY;

(b) UNLESS OTHERWISE SPECIFICALLY NOTED HEREON, THERE ARE NO DISCREPANCIES AMONG THE BOUNDARY LINES AS SHOWN HEREON, AND AS DESCRIBED IN THE LEGAL DESCRIPTION OF RECORD, AND ALL PHYSICAL EVIDENCE OF BOUNDARY LINES AND LINES OF POSSESSION OR OCCUPANCY HAVE BEEN SHOWN;

(c) THE BOUNDARY LINE DIMENSIONS AS SHOWN HEREON FORM A CLOSED FIGURE;

(d) THE BOUNDARY LINES OF THE SUBJECT PROPERTY ARE CONTIGUOUS WITH THE ADJOINING PARCELS, ROADS, HIGHWAYS, STREETS OR ALLEYS AS THEY APPEAR TO BE DESCRIBED IN THE MOST RECENT RESPECTIVE LEGAL DESCRIPTIONS UNLESS SPECIFICALLY NOTED OTHERWISE HEREON;

(e) THE AREA INDICATED FOR THE LAND IS ACCURATE;

(f) THE PROPERTY LIES WITHIN THE FLOOD INSURANCE RATE MAP (F.I.R.M.) PANEL SHOWN HEREON UNDER FLOOD ZONE.

(g) THE IMPROVEMENTS ARE LOCATED AS SHOWN, AND EXCEPT AS SHOWN HEREON, THERE ARE NO ENCROACHMENTS BY SUCH IMPROVEMENTS ONTO ADJOINING PROPERTY, OR ADJOINING ONTO THE SUBJECT PROPERTY;

(h) THERE ARE NO EASEMENTS SPECIFICALLY REFERENCED IN THE TITLE REPORT SHOWN HEREON, ENCROACHMENTS, STREETS, ROADWAYS, PATHS, RIGHT-OF-WAY OR USES AFFECTING THE SUBJECT PROPERTY APPARENT FROM A CAREFUL INSPECTION OF THE SUBJECT PROPERTY OTHER THAN AS SHOWN OR NOTED HEREON.

THE RECORD INFORMATION ON WHICH THE SURVEY IS BASED WAS PROVIDED BY THE CHICAGO TITLE COMPANY PRELIMINARY TITLE REPORT, ORDER No. 00108438-987-OC1-K27, DATED APRIL 23, 2019 AS LAST UPDATED.

5/13/19
ANTHONY HARO DATE
P.L.S. 7635 EXP. 12/31/2020.

SETBACK & HEIGHT INFORMATION:
MAX HEIGHT LIMIT: 35 FEET
MIN. FRONT YARD SETBACK:
10 FEET FROM PROPERTY LINE TO A ONE AND TWO STORY ELEMENT OF THE FRONT ELEVATION.
18 FEET FROM PROPERTY LINE TO A ROLL UP GARAGE DOOR.
MIN. REAR YARD SETBACK:
5 FEET FOR GARAGES AT REAR OF HOUSE.
15 FEET FOR RESIDENTIAL STRUCTURE.
NO FLOOR SPACE RESTRICTIONS LISTED.
MIN. SIDE YARD SETBACK:
5 FEET FOR SIDE YARDS ABUTTING OTHER LOTS.
10 FEET ON CORNER LOT SIDE ONLY.

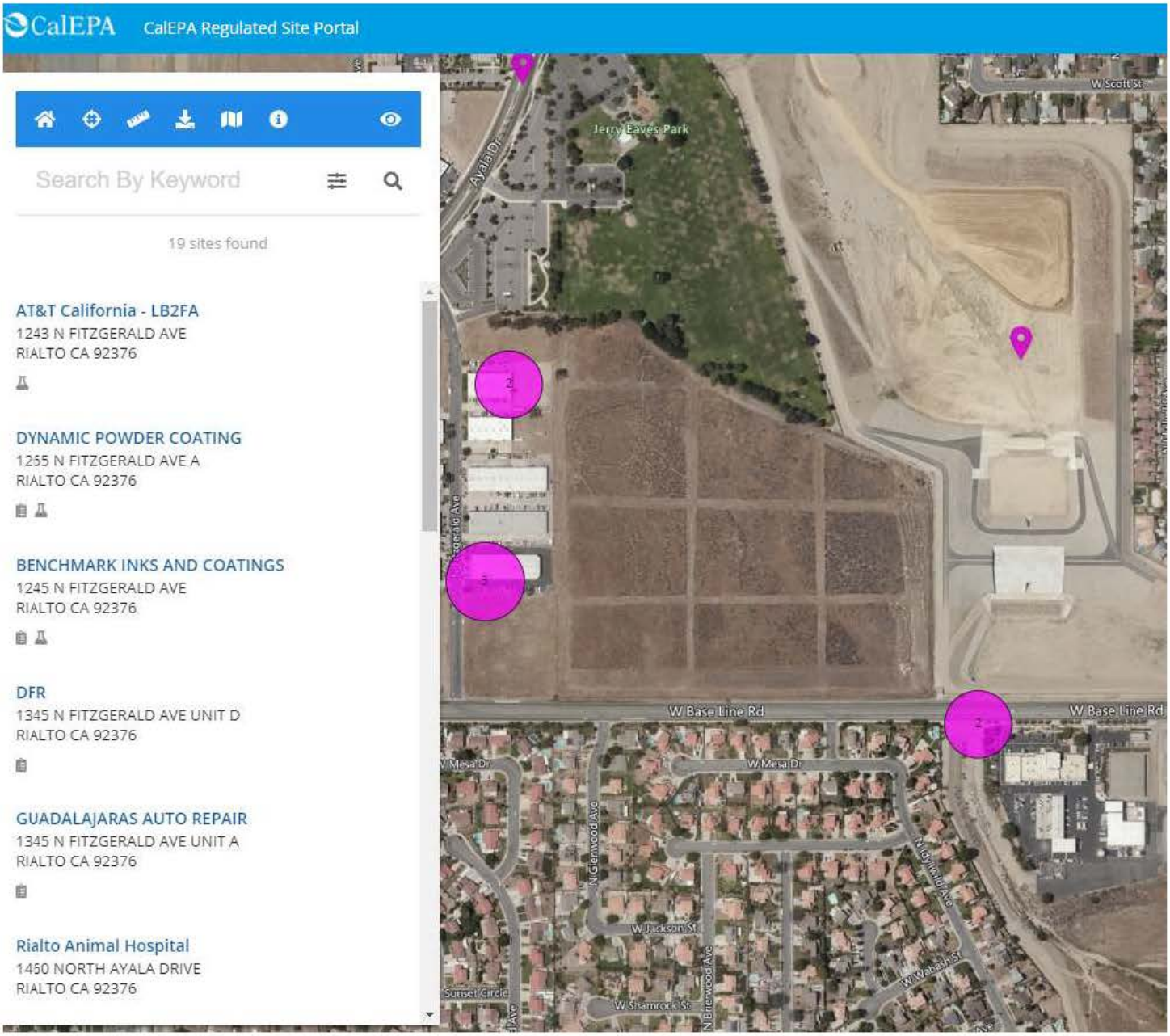
PREPARED FOR:
OAKMONT RIALTO OLIVE GROVE, LLC
ATTN: YUSEF FREEMAN
101 CALIFORNIA STREET, SUITE 400
SAN FRANCISCO, CA. 94111

PROFESSIONAL LAND SURVEYOR ANTHONY J. HARO No. 7635 Exp: 12-31-2020 STATE OF CALIFORNIA

A.L.T.A./ N.S.P.S. LAND TITLE SURVEY
IN THE CITY OF RIALTO, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA
PORTION OF THE SW 1/4 OF THE SE 1/4 OF SECTION 34
TOWNSHIP 1 NORTH, RANGE 5 WEST, SAN BERNARDINO BASE AND MERIDIAN

PREPARED IN THE OFFICE OF
MADOLE AND ASSOCIATES, INC.
CONSULTING CIVIL ENGINEERS, LAND PLANNERS AND SURVEYORS
9302 PITTSBURGH AVE., SUITE 230
RANCHO CUCAMONGA, CA. 91730
PH (909) 481-6322
FAX (909) 481-6320
JN: 991-2841 REV. 0

SHEET NO. 1 OF 1 SHEETS


CalEPA
CalEPA Regulated Site Portal
Search By Keyword
19 sites found
AT&T California - LB2FA
1243 N FITZGERALD AVE
RIALTO CA 92376
DYNAMIC POWDER COATING
1255 N FITZGERALD AVE A
RIALTO CA 92376
BENCHMARK INKS AND COATINGS
1245 N FITZGERALD AVE
RIALTO CA 92376
DFR
1345 N FITZGERALD AVE UNIT D
RIALTO CA 92376
GUADALAJARAS AUTO REPAIR
1345 N FITZGERALD AVE UNIT A
RIALTO CA 92376
Rialto Animal Hospital
1450 NORTH AYALA DRIVE
RIALTO CA 92376
Jerry Eaves Park
Ayala Dr
W Scott St
W Base Line Rd
W Mesa Dr
N Glenwood Ave
W Jackson St
W Sharrock St
Sunset Circle

CUPA
San Bernardino County Fire Protection District • Hazardous Materials Division
620 S. E St., San Bernardino, CA 92415-0153 • (909) 386-8468 FAX (909) 386-8460
hazmatrecords@sbcfire.org

REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT

The main focus of a REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT is to determine whether there exists in San Bernardino County Fire Protection District (SBCFPD) any record relating to contamination or reports of spills at a particular site. An Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report should reveal whether there are any facilities at the site that are subject to current or past regulatory activity by SBCFPD, such as underground storage tanks, hazardous material handlers, hazardous waste generators, and CalARP facilities, as well as any reports of spills, incidents, complaints, or cleanup activity, which can be a useful tool in providing a history of compliance or non-compliance.

Once SBCFPD has completed its records search, an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report will be prepared and issued. Such report will detail all SBCFPD records associated with a particular site by type, date, location, and status (where applicable). All files identified in an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report can be made available for copies and/or review upon request.

If the completed records search reveals no SBCFPD record of hazardous material activity at the site, an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report will be issued, noting that "no records" were identified.

Please provide a specific site address or location description. If a situs address does not exist or cannot be found, list another type of location identifier such as Assessor Parcel Number (preferable), cross streets or intersections (e.g., NWC 5th Ave. & Main St.), and/or legal description. If possible, please attach a map to this request form.

SITE INFORMATION		
Property Owner or Business Name	Location (Site Address and/or Assessor Parcel No.)	City/Community
Vacant land	0264213180000	Rialto

Please provide your name, the company you represent, and contact information below.

REQUESTOR INFORMATION				
NAME	TITLE (If individual, leave blank)	COMPANY (If individual, leave blank)		
Cheryl Manuel	Project Scientist	Partner Engineering & Science		
MAILING ADDRESS	CITY	STATE	ZIP CODE	
2154 Torrance Boulevard	Torrance	CA	90501	
TELEPHONE	FAX	EMAIL ADDRESS		
310-365-0831		cmanuel@partneresi.com		

So that we may provide better service, please check one or more of the boxes below which best describe how the findings of the Env. Audit Phase 1 Certified Hazardous Materials Records Search will be used and/or your relationship to the property in question.

PURPOSE OR RELATIONSHIP TO PROPERTY

- [X] 1. Phase I site assessment or due diligence **AT THE SITE**
- [ ] 2. Environmental professional involved with remediation **AT THE SITE**
- [ ] 3. Phase I site assessment or due diligence **NEARBY**
- [ ] 4. Environmental professional involved with remediation **NEARBY**
- [ ] 5. Proposed School Site (1/4 mi. search for AHM)
- [ ] 6. Proposed Drinking Water Well
- [ ] 7. Owner or operator of the facility or property
- [ ] 8. Potential buyer
- [ ] 9. Real Estate Agent, Lender, Appraiser
- [ ] 10. Pending escrow
- [ ] 11. Proposed redevelopment
- [ ] 12. Legal or other reason: _____

AGENCY USE	
Phase 1 Certified Record Search Finding Report issued: ___/___/___	Reference No:
Phase 1 Certified "No Record" Finding Report issued: ___/___/___	Amount Paid:
	Receipt No.:
	Date:

** IMPORTANT –THIS PAGE MUST BE SIGNED PRIOR TO SUBMITTAL **

DISCLAIMER: While all attempts are made to provide accurate, current, and reliable information, San Bernardino County Fire Protection District *(further referred to as SBDFPD)* recognizes the possibility of human error. Therefore, SBCFPD, its officers, employees, agents and volunteers, make no representations as to the accuracy, completeness or suitability of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report and provides an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report "as is," with no warranties, express or implied, including the implied warranty of fitness for a particular purpose. In no event shall SBCFPD be liable for any damages of any nature whatsoever, arising out of the issuance of a Certified Hazardous Materials Records Search Finding Report. SBCFPD therefore assumes no liability for damages incurred directly or indirectly as a result of any errors, omissions or discrepancies in a Certified Hazardous Materials Records Search Finding Report.

RELEASE AND INDEMNIFICATION: In consideration for the issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, I hereby release and forever discharge SBCFPD, its officers, employees, agents and volunteers from any and all claims, actions, losses, damages and/or liability in connection with SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, including, but not limited to, claims that may arise due to the active or passive negligence of SBCFPD, its officers, employees, agents and volunteers.

I am familiar with the provisions of California Civil Code Section 1542, which provides as follows:

"A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor."

I hereby expressly waive any and all rights that I may have there under. I understand and acknowledge the significance and consequence of this specific waiver of California Civil Code Section 1542 and assume full responsibility for any injuries, damages, losses or liabilities that I may hereafter discover as possibly resulting from SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report.

In further consideration for SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, I hereby agree, for myself, my heirs, administrators, executors and assigns, that I shall indemnify, defend (with counsel approved by County) and hold harmless SBCFPD, its officers, employees, agents and volunteers from any and all claims, demands, actions or suits arising out of or in connection with SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report brought by any third party.

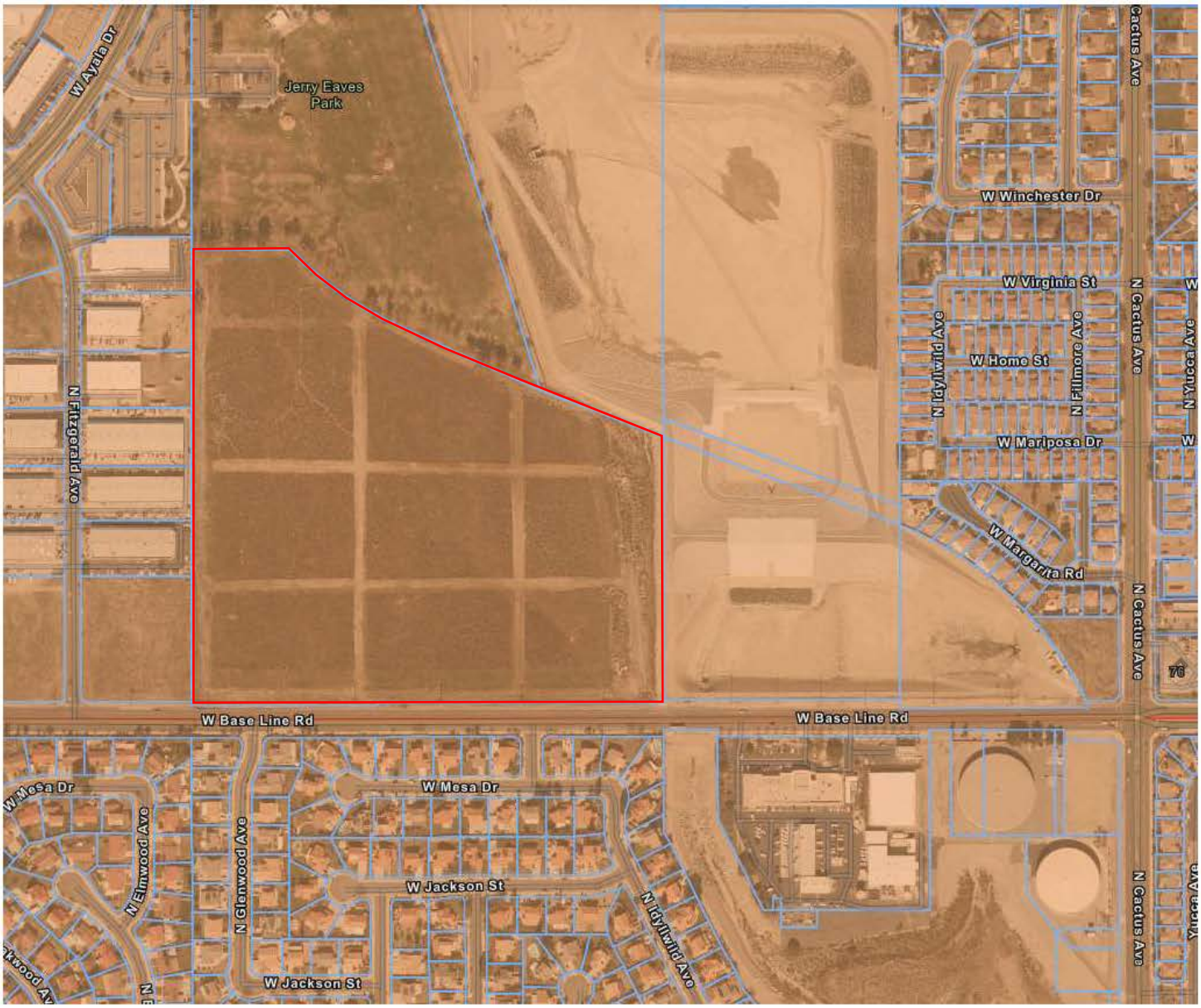
I have read the above terms and conditions, including the paragraphs entitled "DISCLAIMER" and "RELEASE AND INDEMNIFICATION", and by my signature below, I affirm that I understand these terms and conditions and accept them as part of my REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT.

I hereby request an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report for the location described on Page 1 of this application.

- ❑ **I am including payment of the initial fee of $136.00, for the first hour of research, by check or money order, payable to San Bernardino County Fire Protection District, or by credit card payment taken over the phone. I understand that research exceeding one hour will be billed at the rate of $136.00 for each additional hour spent by SBCFPD in completing this request.**
- ❑ **I have faxed or emailed this request and will forward payment along with the original request form within 48 hours.**

REQUESTOR'S SIGNATURE	
SIGNATURE OF REQUESTOR	DATE May 27, 2021

Rev. 05/06/2020


W Ayala Dr
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N Cactus Ave
W Winchester Dr
W Virginia St
N Idylwild Ave
N Fillmore Ave
W Home St
N Yucca Ave
N Fitzgerald Ave
W Mariposa Dr
W Margarita Rd
W Base Line Rd
W Base Line Rd
W Mesa Dr
W Mesa Dr
N Elmwood Ave
N Glenwood Ave
W Jackson St
N Idylwild Ave
W Jackson St
N Cactus Ave
Yucca Ave

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street ● San Bernardino, CA 92415-0153 ● (909) 386-8401 ● Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal/Deputy Fire Warden

June 9, 2021

21052702 Rialto NRL Partner ESI

PARTNER ENGINEERING AND SCIENCE INC.
2154 TORRANCE BOULEVARD
TORRANCE, CA 91501

ATTENTION: **CHERYL MANUEL**

SUBJECT: **CERTIFIED RECORD SEARCH FINDINGS**
APN #: 0264-213-18-0000, RIALTO, CALIFORNIA

This is to confirm that the OFM Hazardous Materials Division (HMD) has searched its records for any file(s) pertaining to the subject property, as described in your request, and finds that no records exist for the above site description(s).

Records maintained by OFM-HMD date back to mid-1980's. Records searched include:

- facilities with hazardous waste generator permits, hazardous materials handler permits, underground storage tank permits, universal waste permits, tiered permits, EPCRA facilities, RMP facilities, Cal ARP facilities, and/or waste recycling generators, including inactive and/or out of business records, as well as non-permitted facility actions;
- logs of permits issued for the removal, installation, and/or modification of underground storage tanks;
- records and databases pertaining to illicit dumping, spill reports and release notifications, and complaints;
- incidents responded to by the hazardous materials emergency response team;
- and sites undergoing remediation for contaminated soil and/or groundwater.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

BOARD OF DIRECTORS

Robert A. Lovingood	Janice Rutherford	Dawn Rowe	Curt Hagman	Josie Gonzales	Leonard X. Hernandez
First District	Second District	Third District	Chairman, Fourth District	Vice Chair, Fifth District	Chief Executive Officer

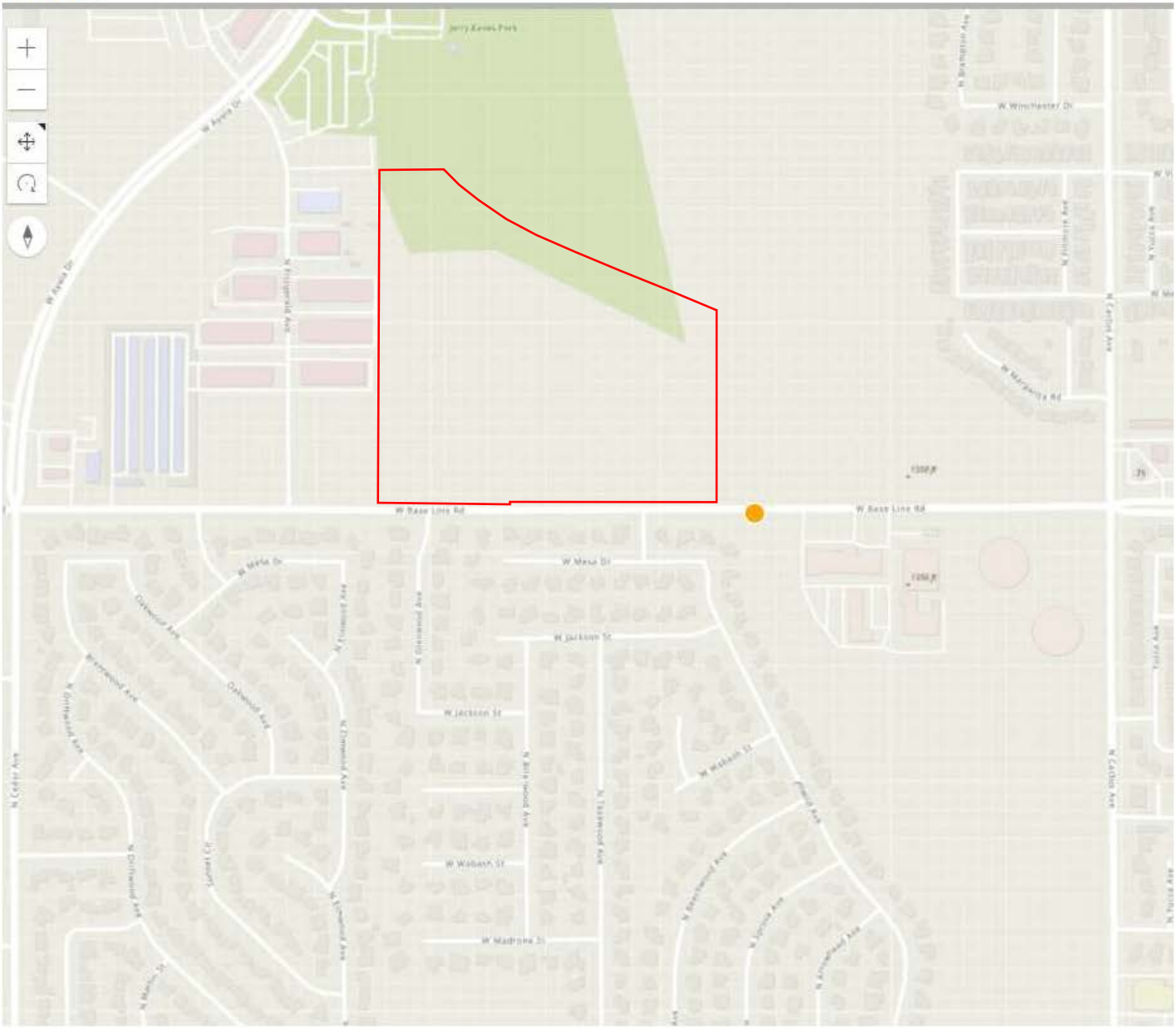
South Coast AQMD

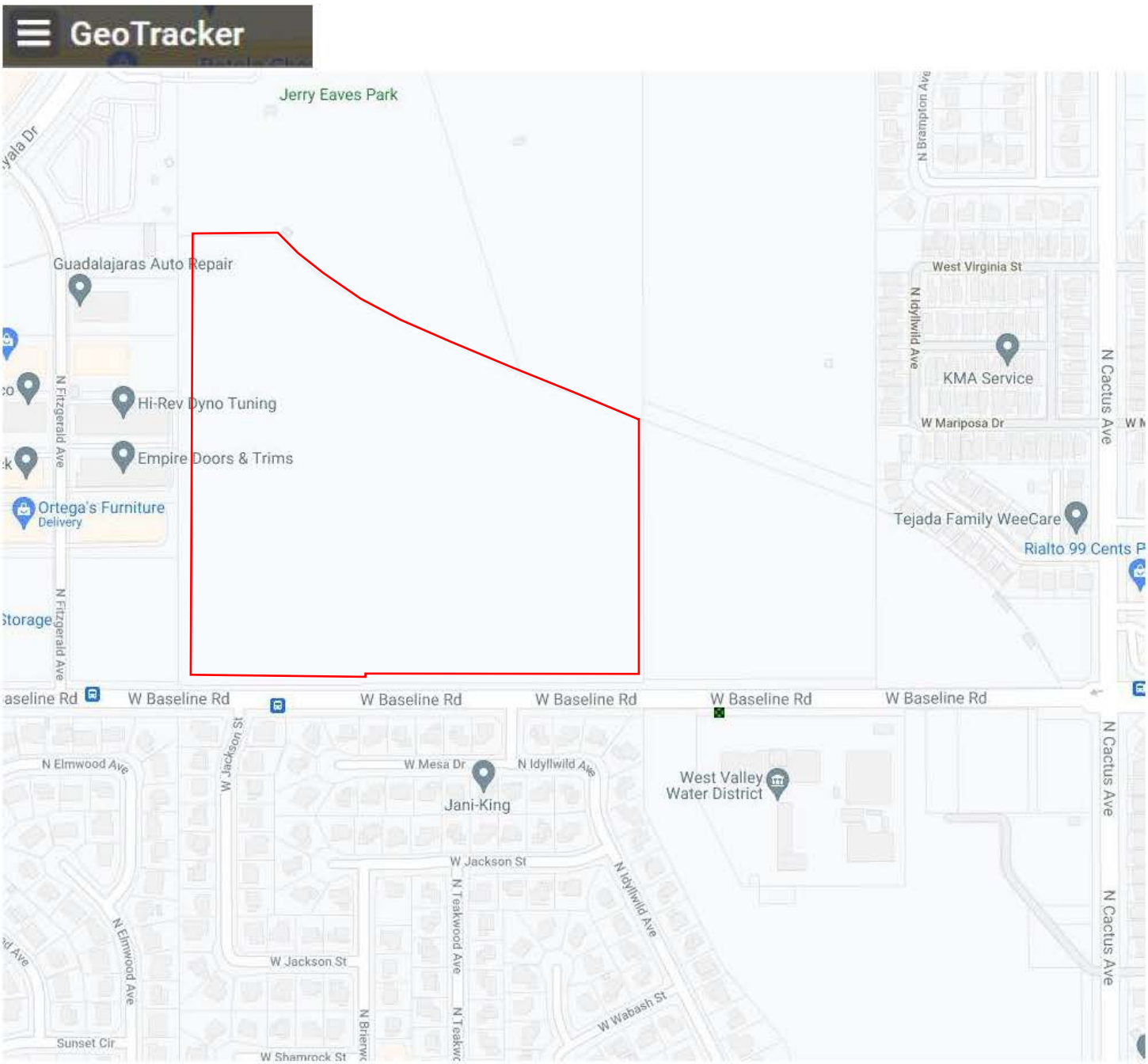
Facility INformation Detail (F.I.N.D.)

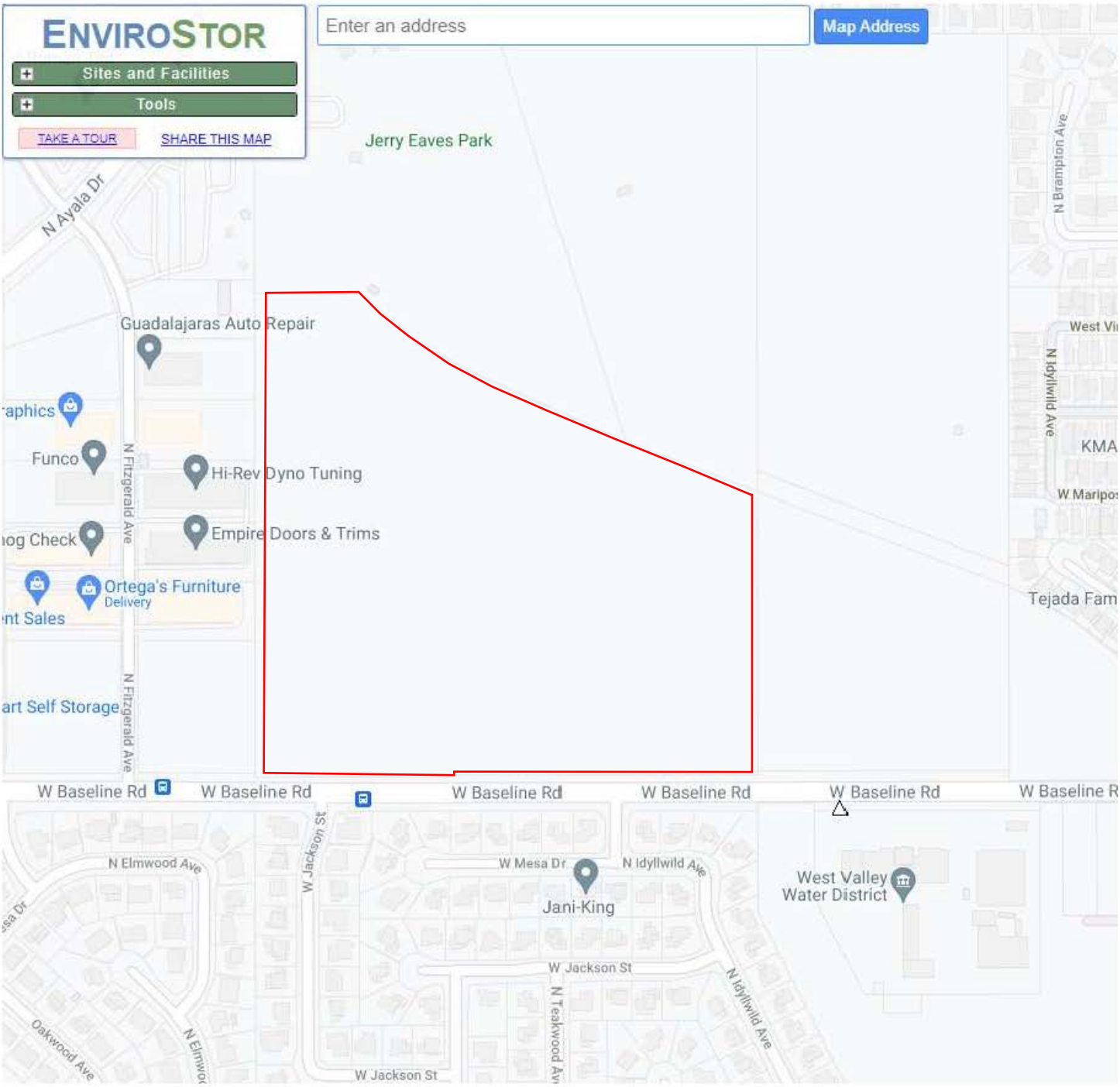
Select Search Type: Find a Facility

Name:

Street: Baseline




GeoTracker
Jerry Eaves Park
Guadalajaras Auto Repair
Hi-Rev Dyno Tuning
Empire Doors & Trims
Ortega's Furniture
Delivery
N Fitzgerald Ave
West Virginia St
N Idyllwild Ave
KMA Service
N Cactus Ave
W Mariposa Dr
Tejada Family WeeCare
Rialto 99 Cents P
W Baseline Rd
N Elmwood Ave
W Jackson St
W Mesa Dr
N Idyllwild Ave
Jani-King
West Valley
Water District
W Jackson St
N Elmwood Ave
W Jackson St
N Teakwood Ave
N Idyllwild Ave
W Wabash St
Sunset Cir
W Shamrock St


ENVIROSTOR
Sites and Facilities
Tools
TAKE A TOUR
SHARE THIS MAP
Enter an address
Map Address
Jerry Eaves Park
N Ayala Dr
N Brampton Ave
Guadalajaras Auto Repair
Funco
Hi-Rev Dyno Tuning
Empire Doors & Trims
Ortega's Furniture
Delivery
N Fitzgerald Ave
N Idyllwild Ave
KMA
Tejada Fam
art Self Storage
W Baseline Rd
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N Elmwood Ave
W Jackson St
W Mesa Dr
N Idyllwild Ave
Jani-King
West Valley
Water District
W Jackson St
N Teakwood Ave
Oakwood Ave
W Jackson St

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

Facility Search Results

Selection Criteria:

Facility:
Search on: Physical Address
Street: Baseline
Zip: 92376
Status: Active and Inactive
Sort Direction: asc
Sorted By: EPA ID
Records Found: 34

EPA ID Number	Name	Address	City	Zip
CAC000012781	1X MOBIL OIL #18-E3B	116 E BASELINE	RIALTO	923760000
CAC000303153	1X CHEVRON USA INC #95626	115 S BASELINE RD	RIALTO	923760000
CAC000563712	1X CHEVRON USA STATION #95626	115 EAST BASELINE ROAD	RIALTO	923760000
CAC000597184	1X SMITHS FOOD & DRUG CENTERS INC	151 W BASELINE AVE	RIALTO	923760000
CAC000599728	1X SMITH FOOD AND DRUG CENTER	151 W BASELINE AVE	REALTO	923760000
CAC000611408	1X WEST SAN BERNARDINO CO WATER DIST	855 W BASELINE	RIALTO	923760000
CAC000634216	1X THE VONS COMPANY	210 W BASELINE RD	RIALTO	923760000
CAC000645688	1X CHEVRON U S A #95626	115 E BASELINE ST	RIALTO	923760000
CAC000693424	1X HARVEST SMORBORG	168 E BASELINE RD	RIALTO	923760000
CAC000830072	1X SMITH FOODS INC	151 BASELINE ROAD	RIALTO	92376

CAC002562149	WEST SAN BERNARDINO CO WATER DISTRICT	855 W BASELINE	RIALTO	923760000
CAC002758122	ROBERTO VELASQEZ	115 BASELINE	RIALTO	92376
CAC002765516	I-210 LOGISTICS CENTER II FUND IX, LLC	NEC BASELINE ROAD & MAPLE AVENUE	RIALTO	92376
CAC002883096	CITY OF RIALTO FIRE DEPT	BASELINE RD AND CEDAR AVE	RIALTO	92376
CAC002923791	BANK OF AMERICA	170 EAST BASELINE ROAD	RIALTO	92376
CAC002988059	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, RIALTO #85	230 E. BASELINE ROAD	RIALTO	92376
CAC003101961	FORMER FALLAS	260 EAST BASELINE ROAD	RIALTO	92376
CAD981614589	RANCHO CLEANERS	198 E BASELINE	RIALTO	923760000
CAD981614993	BONAFIDE CLEANERS	260 W BASELINE	RIALTO	923760000
CAD982032757	BUILDERS EMPORIUM	290 W BASELINE RD	RIALTO	923760000
CAH111000269	CHIEF AUTO PARTS, INC.	151 WEST BASELINE ROAD	RIALTO	923760000
CAL000024148	RIALTO CHEVRON	115 E BASELINE	RIALTO	923760000
CAL000046472	UNOCAL SERVICE STATION #4638	120 WEST BASELINE	RIALTO	923760000
CAL000055807	VEEDER-ROOT CMS	116 E BASELINE RD	RIALTO	923760000
CAL000057993	1 HOUR PHOTO	128 W BASELINE	RIALTO	923760000
CAL000097574	SMITH FOOD & DRUG 1-HOUR PHOTO	151 W BASELINE RD	RIALTO	923760000
CAL000145408	QUALEX #3735	151 WEST BASELINE RD	RIALTO	923763301
CAL000146515	LUCKY'S STORE #3735	151 WEST BASELINE RD	RIALTO	923760000
CAL000161401	ALBERTSONS 6571	151 W BASELINE RD	RIALTO	923760000
CAL000172337	CHEVRON PRODUCT CO #95626	115 S BASELINE RD	RIALTO	923760000
CAL920513878	GOOD GUYS LUBE N TUNE INC	296 E BASELINE RD	RIALTO	923760000
CAL920903117	GOOD GUYS LUBE TUNE INC	296 E BASELINE	RIALTO	923760000
CAL923245942	SMITH FOOD & DRUG 1HOUR PHOTO	151 WEST BASELINE ROAD	RIALTO	923760000
CAP000067322	Chevron No 95626	115 E Baseline Rd	RIALTO	923760000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 06/07/2021

Manuel, Cheryl

From: RIALTOCA Support <rialtoca@mycusthelp.net>
Sent: Friday, June 4, 2021 3:06 PM
To: Manuel, Cheryl
Subject: Rialto Public Records Request :: P002435-060421

Dear Cheryl :

Thank you for your interest in public records of the City of Rialto, CA.

The City of Rialto CA has received your Public Records request, dated 6/4/2021 3:05:45 PM and given it the reference number P002435-060421 for tracking purposes.

Record(s) Requested: *All demolition, building, plumbing, electrical, mechanical permits and certificates of occupancy, earliest to most recent for parcel number 0264213180000*

Your request is being forwarded to the appropriate department(s) for processing and you will be notified once the request is complete.

You can monitor request progress at the link below. Thank you for using the City of Rialto Public Records Center.

To monitor the progress or update this request please log into the Rialto Public Records Center.

Manuel, Cheryl

From: RIALTOCA Support <rialtoca@mycusthelp.net>
Sent: Wednesday, June 9, 2021 3:31 PM
To: Manuel, Cheryl
Subject: California Public Records Request :: P002435-060421

--- Please respond above this line ---

RE: Public Records Request::P002435-060421

Cheryl Manuel
2154 Torrance Blvd
Torrance CA 90501

Dear Cheryl

There are no records relate to you request for:

All demolition, building, plumbing, electrical, mechanical permits and certificates of occupancy, earliest to most recent for parcel number
0264213180000

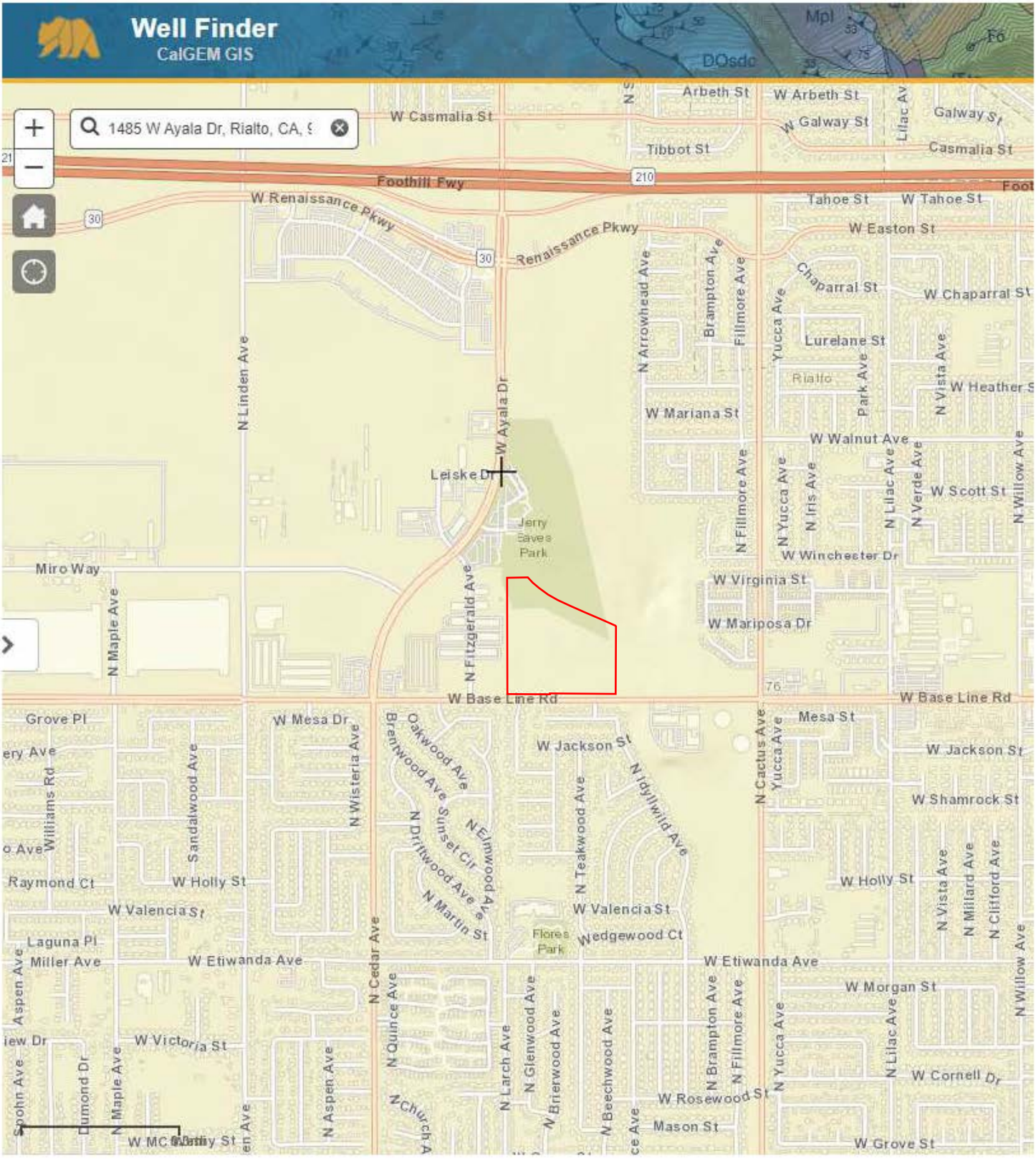
If I may be of any further service, please contact me at (909) 421-4930.

Sincerely,

Mariana Garcia
Records Coordinator

To monitor the progress or update this request please log into the Rialto Public Records Center.

This is an auto-generated email and has originated from an unmonitored email account. Please DO NOT REPLY.


Well Finder
CalGEM GIS
1485 W Ayala Dr, Rialto, CA, 9
W Casmalia St
Arbeth St
W Arbeth St
W Galway St
Galway St
Casmalia St
Tibbot St
Foothill Fwy
210
W Renaissance Pkwy
30
Renaissance Pkwy
Tahoe St
W Tahoe St
W Easton St
Chaparral St
W Chaparral St
Lurelane St
Rialto
W Heather St
W Mariana St
W Walnut Ave
W Scott St
W Winchester Dr
W Virginia St
W Mariposa Dr
N Linden Ave
W Ayala Dr
Leiske Dr
Jerry Eaves Park
N Arrowhead Ave
Brampton Ave
Fillmore Ave
Yucca Ave
Park Ave
N Vista Ave
N Iris Ave
N Lilac Ave
N Verde Ave
N Willow Ave
N Fillmore Ave
N Yucca Ave
Miro Way
N Maple Ave
N Fitzgerald Ave
W Base Line Rd
76
Grove Pl
W Mesa Dr
Mesa St
W Jackson St
N Cactus Ave
Yucca Ave
W Shamrock St
Williams Rd
Sandalwood Ave
N Wisteria Ave
Oakwood Ave
Brentwood Ave
Sunset Cir
N Driftwood Ave
N Elmwood Ave
N Martin St
N Teakwood Ave
N Idyllwild Ave
Raymond Ct
W Holly St
W Valencia St
Flores Park
Wedgewood Ct
Laguna Pl
Miller Ave
W Etiwanda Ave
N Cedar Ave
N Quince Ave
N Larch Ave
N Glenwood Ave
N Brierwood Ave
N Beechwood Ave
N Brampton Ave
N Fillmore Ave
N Yucca Ave
W Morgan St
N Lilac Ave
N Vista Ave
N Millard Ave
N Clifford Ave
N Willow Ave
Aspen Ave
W Victoria St
Dumond Dr
N Maple Ave
N Aspen Ave
W Rosewood St
Mason St
W Cornell Dr
W Grove St
W MC Kinley St

FIRST FIVE-YEAR REVIEW REPORT FOR ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE SAN BERNARDINO COUNTY, CALIFORNIA

PREPARED BY

U.S. Army Corps of Engineers Seattle District

FOR

U.S. Environmental Protection Agency

Region 9

Approved by:

DANA BARTON Digitally signed by DANA BARTON Date: 2020.08.28 17:07:12 -07'00'

Dana Barton, Assistant Director
CA Site Cleanup & Enforcement Branch
Region 9
US. Environmental Protection Agency

Date:

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Executive Summary

This is the first Five-Year Review of the Rockets, Fireworks, and Flares Superfund Site (Site) located in San Bernardino County, California. The purpose of this Five-Year Review is to review information to determine if the remedy is and will continue to be protective of human health and the environment.

Most of the Site is located in the Rialto-Colton Groundwater Basin, which is an important source of drinking water to residents and businesses in the cities of Rialto, Colton, and Fontana. Located east of the city of Los Angeles, the Site consists of three operable units[1] (OUs). The Source Area Operable Unit addresses groundwater contaminated with volatile organic compounds and perchlorate at and near the source area. EPA is evaluating the need for cleanup at the Mid-Basin Operable Unit, which addresses contaminated groundwater downgradient of the Source Area Operable Unit, and the Soils Operable Unit, which addresses contaminated soil at a 160-acre source area. EPA added the Site to the National Priorities List in September 2009.

On September 30, 2010, EPA signed an Interim Record of Decision (ROD) that selected the following remedy for the Source Area Operable Unit groundwater to protect long-term human health and the environment:

- Groundwater extraction wells located downgradient of the 160-acre source area.
- Water treatment systems to reduce the concentrations of trichloroethylene (TCE) and other volatile contaminants from the extracted groundwater below levels allowed by federal and state drinking water standards.
- Water treatment systems to reduce the concentrations of perchlorate from the extracted groundwater below the level allowed by the state drinking water standard.
- Pipelines and pumps to convey the contaminated groundwater from the extraction wells to the treatment plant.
- Pipelines and pumps to convey the treated water from the treatment plant to one or more local water utilities for distribution as municipal water supply (or for aquifer replenishment); and.
- A groundwater monitoring program.

The remedy has been implemented by expanding an existing water treatment system at an adjacent state-led cleanup site. A new groundwater extraction well, new liquid-phase granular activated carbon and ion exchange water treatment systems, and new pipelines were constructed. The expanded system is referred to as the Combined Treatment Plant. Emhart Industries, Inc., a company responsible for conducting the cleanup in accordance with a 2013 Consent Decree, conducted two pilot-scale tests to demonstrate that the new ion exchange systems would adequately treat extracted Site groundwater.

[1] The term "operable unit" (OU) defines a discrete action that is an incremental step toward a comprehensive remedy for a site.

Upon regulatory and local agency approval, treated Site groundwater from the Combined Treatment Plant will be chlorinated and pumped to the city of Rialto municipal water system.

Exposure assumptions, cleanup levels, and remedial action objectives used at the time of remedy selection are still valid. No new human health or ecological routes of exposure or receptors have been identified. In addition, no new contaminants or contamination sources have been identified. No additional ecological risks have been identified. No impacts from natural disasters have affected the protectiveness or activities of the Site. Some Applicable or Relevant and Appropriate Regulations (ARARs) have changed since finalization of the 2010 Interim ROD. However, none of these changes call into question the protectiveness of the remedy.

Based on review of project-related documents and data, as well as the site inspection, the remedy is expected to function as intended by the Interim ROD. It is expected that the remedy will achieve the remedial action objectives of protecting water supply wells and groundwater resources by limiting the spread of contaminated groundwater from the 160-acre area and by removing contaminants from groundwater.

The remedy at the Rockets, Fireworks and Flares Superfund Site is expected to be protective of human health and the environment upon completion. In the interim, the remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.

Contents

Executive Summary ..... **i**
List of Figures ..... **iv**
List of Tables ..... **iv**
List of Abbreviations ..... **v**
1. Introduction **1**
1.1. Background 3
1.2. Physical Characteristics 3
1.3. Hydrology 4
2. Remedial Actions Summary **7**
2.1. Basis for Taking Action 7
2.2. Remedy Selection 7
2.3. Remedy Implementation 10
2.4. Operation and Maintenance 11
3. Progress during this Five-Year Review Period **12**
3.1. Work Completed at the Site During this Five-Year Review Period 12
3.2. Community Notification, Involvement and Site Interviews 12
3.3. Data Review 12
3.3.1. Groundwater Elevations 13
3.3.2. Groundwater Concentrations 13
3.4. Site Inspection and Interviews 15
4. Technical Assessment **16**
4.1. Question A: Is the remedy functioning as intended by the decision documents? 16
4.2. Question B: Are the exposure assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives Used at the Time of Remedy Selection Still Valid? 16
4.3. Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Remedy? 16
5. Issues/Recommendations **16**
5.1. Other Findings 16
6. Protectiveness Statement **17**
7. Next Review **17**
Appendix A: List of Documents Reviewed **18**
Appendix B: Site Chronology **19**

Appendix C: Data Review 20
Appendix D: Applicable or Relevant and Appropriate Requirements Assessment 41
Appendix E: Public Notice 45
Appendix F: San Bernardino County Response Letter 47
Appendix G: Site Inspection Report and Photos 51

List of Figures

Figure 1. Map for the Rockets, Fireworks, and Flares Superfund Site 4
Figure 2. Rialto-Colton Groundwater Basin Aquifers 6
Figure 3. Footprint of Intermediate and Regional Aquifer Target Areas 9
Figure 4. Well PW-2 Groundwater Elevation vs Concentration Graph 13

List of Tables

Table 1. Five-Year Review Summary Form 2
Table 2. Treatment Cleanup Goals for Chemicals of Concern (in Extracted and Treated Groundwater) 10
Table 3. Summary of Mann-Kendall Analysis for Perchlorate 14
Table 4. Summary of Mann-Kendall Analysis for TCE 15
Table 5. Protectiveness Statement 17

List of Abbreviations

ARARs	Applicable or Relevant and Appropriate Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	Environmental Protection Agency
EW	Extraction Well
gpm	gallons per minute
ROD	Record of Decision
NCP	National Contingency Plan
ng/L	nanograms per liter
NPL	National Priorities List
TCE	trichloroethylene
PFAS	polyfluoroalkyl substances

1. Introduction

The purpose of a Five-Year Review is to evaluate the implementation and performance of a remedy to determine if the remedy will continue to be protective of human health and the environment. The methods, findings, and conclusions of a review are documented in Five-Year Review reports. In addition, Five-Year Review reports identify issues found during the review, if any, and document recommendations to address them.

The U.S. Environmental Protection Agency (EPA) is preparing this Five-Year Review pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act Section 121(c), 40 Code of Federal Regulation (CFR) Section 300.430(f)(4)(ii) of the National Contingency Plan and EPA policy.

This is the first Five-Year Review for the Rockets, Fireworks, and Flares Superfund Site (Site). The triggering action for this statutory review is the on-site construction start date for a remedial action on September 18, 2015. The Five-Year Review has been prepared due to the fact that hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure.

This Five-Year Review focuses on the Source Area Operable Unit, which addresses groundwater near the sources of contamination. The two operable units that are not addressed in this Five-Year Review are the Mid-Basin Operable Unit, which addresses contaminated groundwater downgradient of the Source Area Operable Unit, and the Soils Operable Unit, which addresses contaminated soil in an area known as the 160-acre area where Site contaminants are believed to have been released to the environment. EPA signed the Record of Decision (ROD) for the Source Area Operable Unit on September 30, 2010. RODs have not been finalized for Mid-Basin Operable Unit or Soils Operable Unit and therefore review of these operable units are not included in this Five-Year Review.

The Rockets, Fireworks, and Flares Superfund Site Five-Year Review was led by Wayne Praskins (EPA, Remedial Project Manager). Participants included U.S. Army Corps of Engineers staff Leanna Woods Pan (environmental engineer) and Benino McKenna (hydrogeologist). The review began on October 30, 2018.

Table 1. Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: Rockets, Fireworks, and Flares Superfund Site		
EPA ID: CAN000905945		
Region: 9	**State:** CA	**City/County:** San Bernardino County
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	**Has the site achieved construction completion?** No	
REVIEW STATUS		
Lead agency: EPA		
Author name (Federal or State Project Manager): Wayne Praskins		
Author affiliation: EPA		
Review period: 10/30/2018 - 9/18/2020		
Date of site inspection: 1/14/2020		
Type of review: Statutory		
Review number: 1		
Triggering action date: 9/18/2015		
Due date *(five years after triggering action date)*: 9/18/2020		

1.1. Background

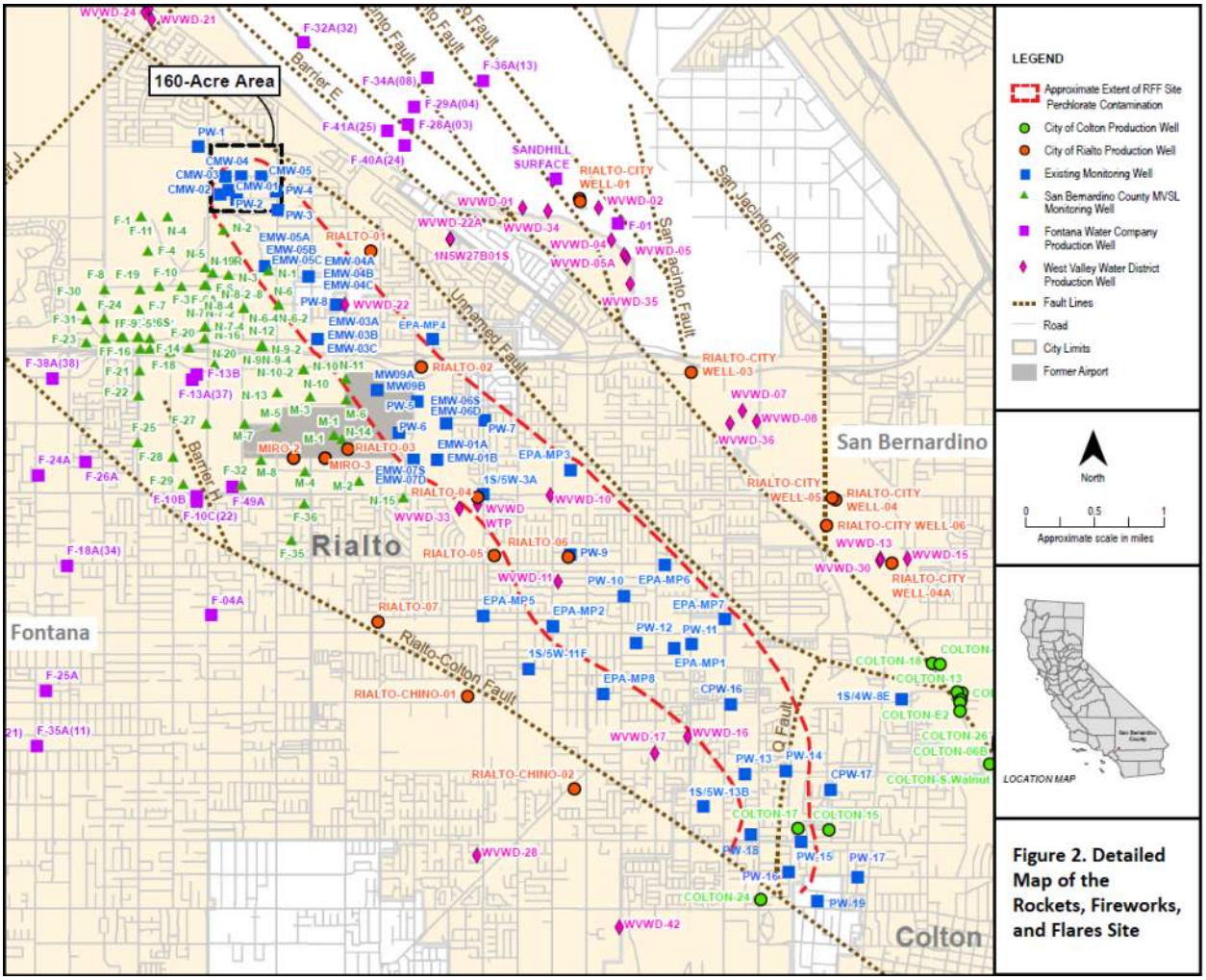
The Rockets, Fireworks and Flares Superfund Site (Site), located east of the city of Los Angeles, includes soil and groundwater contaminated with perchlorate, trichloroethylene (TCE), and other volatile organic compounds in a largely suburban area in San Bernardino County, California. The Source Area Operable Unit of the Site includes groundwater at a 160-acre source area where contaminants entered the groundwater and testing has identified the highest levels of groundwater contamination. The Source Area Operable Unit also includes contaminated groundwater that has spread as far as approximately 2.5 miles downgradient from the 160-acre area (Figure 1).

In 1942, the U.S. Army acquired and developed land that includes the 160-acre area. The property was sold in 1946 and portions of the 160-acre area have been owned or used by a variety of defense contractors, fireworks manufacturers, and others who used perchlorate salts and other chemicals in their manufacturing processes or in their products. Contaminant release mechanisms are believed to have included onsite disposal in one or more unlined pits, leakage or overflow from an onsite impoundment, airborne dispersion of material handled during manufacturing, disposal of contaminated rinse water onto unpaved areas, and one or more explosions. Releases are likely to have begun in the 1950s, and possibly earlier.

Most of the Site is located in the Rialto-Colton Groundwater Basin. Four water utilities are responsible for the majority of the groundwater pumping in the Basin: the City of Rialto, West Valley Water District, the City of Colton, and Fontana Water Company. A 1961 decree entered in San Bernardino County Superior Court restricts pumping of groundwater from the Rialto-Colton Groundwater Basin to parties to the decree.

1.2. Physical Characteristics

The 160-acre source area is square-shaped and bounded by West Casa Grande Drive on the north, Locust Avenue on the east, Alder Avenue on the west, and an extension of Summit Avenue on the south. Various buildings and structures are located throughout the 160-acre area and several roadways run through it, including West Lowell Street and several unimproved roads. Portions of the site are used for commercial or industrial purposes, and other areas are vacant or open space. The County of San Bernardino's Mid-Valley Sanitary Landfill is located immediately southwest of the 160-acre area. Some adjacent properties are developed with industrial facilities or residences.



Modified from Figure produced by Jacobs Engineering in July 2019

Figure 1. Map for the Rockets, Fireworks, and Flares Superfund Site

1.3. Hydrology

The 40-square-mile Rialto-Colton Groundwater Basin is located in western San Bernardino County, California, east of the City and County of Los Angeles. The Rialto-Colton Groundwater Basin is bounded on the northwest by the San Gabriel Mountains and southeast by the Badlands, a series of hills located at the margin of the basin. The basin is approximately 10 miles long, from 1.5 to 3.5 miles wide, and it is bounded by geologic faults on its western, northern, and eastern sides. The San Jacinto Fault forms the northeastern boundary, and the Rialto-Colton Fault forms the southwestern boundary. The Santa Ana River cuts across the southeastern part of the basin, and Warm and Lytle Creeks join the Santa Ana River near the eastern edge of the basin. Except in the southeastern part of the basin, the San Jacinto and Rialto-Colton faults appear to restrict groundwater flow into and out of the basin (USGS, 1997).

The Rialto-Colton Groundwater Basin is filled with unconsolidated alluvial material consisting of sand, gravel, and boulders interbedded with lenticular deposits of silt and clay. Alluvial sediments in much of the basin are about 500 to 1,000 feet deep. The unconsolidated alluvium is underlain by partly consolidated continental deposits formed as lenticular bodies consisting of somewhat compacted gravel, sand, silt, and clay. The basement complex consists of metamorphic and igneous rocks. The unconsolidated alluvial material contains groundwater in multiple water-bearing layers. At the Site's 160-acre area, the depth to groundwater in the first layer, known as the Intermediate Aquifer, is currently about 400 to 450 feet below ground surface. The Intermediate Aquifer is unconfined, about 50 to 100 feet thick, and is underlain by a laterally extensive aquitard. The Intermediate Aquifer is comprised of multiple thin water-bearing units separated by thin aquitards and dry intervals. The deeper water-bearing layer, known as the Regional Aquifer, is generally unconfined to partly confined, and is about 300 to 500 feet thick. Both the Intermediate and Regional Aquifers are comprised of unconsolidated alluvial material consisting of sand, gravel and boulders. Potentiometric heads are as much as 150 feet higher in the Intermediate Aquifer than in the underlying Regional Aquifer, resulting in a strong downward hydraulic gradient between the two aquifers. About one to one and half miles to the southeast of the Site's 160-acre area, the Intermediate Aquifer merges with the Regional Aquifer (Figure 2).

Groundwater flow in the Rialto-Colton Groundwater Basin is strongly influenced by the presence of several geologic faults that restrict groundwater flow. Groundwater in the Intermediate Aquifer generally flows to the southeast, parallel to two major faults, up to several feet per day. Groundwater in the Regional Aquifer generally flows to the southeast at an average rate of about one foot per day. Groundwater elevations and flow rates in the Rialto-Colton Groundwater Basin vary both seasonally and year to year. The primary cause of this variability is year to year change in precipitation and associated recharge. Seasonal and year-to-year variability in groundwater pumping also affects water levels.

Historical water level measurements from water supply wells screened in the Regional Aquifer indicate that water levels varied by more than 100 feet from 1962-2009 due to periodic drought and increased groundwater production.

The groundwater at or near the Site is a vital resource for residents of the cities of Rialto and Colton. Most of the Site lies within the Rialto-Colton Groundwater Basin, which has in recent years supplied drinking water to tens of thousands of area residents. The contamination has forced the closure of many drinking water supply wells in the basin.

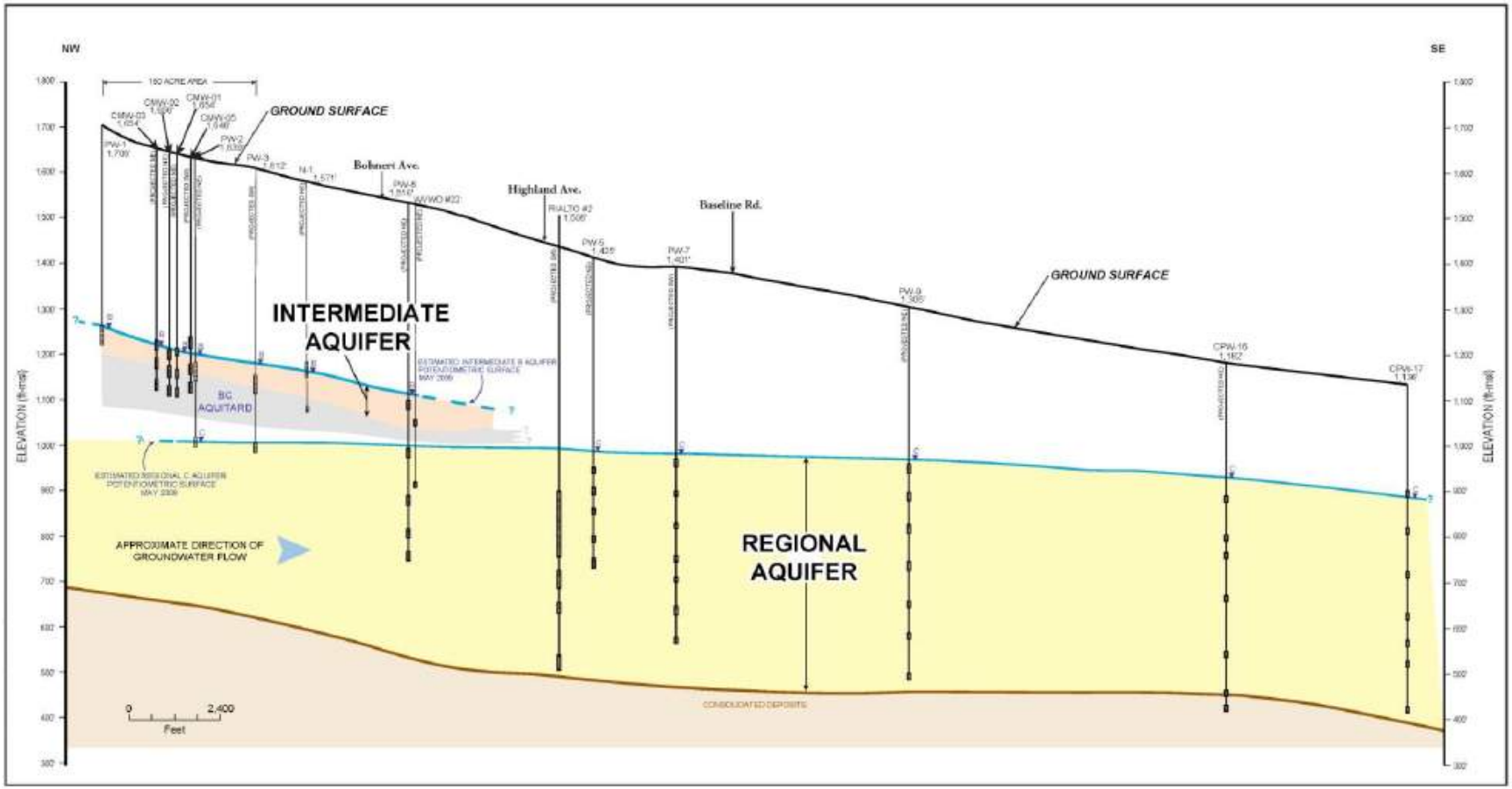


Figure 2. Rialto-Colton Groundwater Basin Aquifers

2. Remedial Actions Summary

2.1. Basis for Taking Action

The contaminants of concern in groundwater at the Site include perchlorate, TCE, carbon tetrachloride, chloroform, and methylene chloride. Perchlorate salts are inorganic chemicals used as oxidizers in rocket propellant, flares, fireworks, and other products. TCE and carbon tetrachloride are cleaning solvents used extensively in the 1950s and 1960s. Employees of businesses that operated in the Site's 160-acre area in the 1950s and 1960s have testified that perchlorate, TCE, and other solvents were handled or used at the Site. Perchlorate and TCE are the most frequently detected contaminants in groundwater at the Site and the primary contaminants of concern . Perchlorate, TCE, and carbon tetrachloride can persist in groundwater for decades.

EPA is taking action because the groundwater at the Site is a current source of drinking water to tens of thousands of residents and businesses, the levels of contamination in groundwater exceed federal or state drinking water standards, and contaminated groundwater continues to spread into uncontaminated and less contaminated portions of the groundwater aquifer.

EPA identified exposure pathways in the 2010 Remedial Investigation and Feasibility Study Report based on the Conceptual Site Model for the Site. Receptors that could potentially be exposed to the contaminated groundwater include current and future residents that receive drinking water from groundwater wells near the Site. Exposure could occur through inhalation (TCE, carbon tetrachloride, chloroform, and methylene chloride only) or ingestion (TCE, carbon tetrachloride, chloroform, methylene chloride and perchlorate) of the contaminants present in the groundwater. Inhalation of contaminants can occur during showering and other activities that enhance the movement of volatile chemicals from water to air. Exposure through dermal contact is not expected to be a significant pathway for these constituents. There is currently no known exposure pathway in which ecological receptors could be exposed to contaminated groundwater.

2.2. Remedy Selection

EPA issued the Interim ROD for the Source Area Operable Unit in September 2010.

The selected remedy is the first of at least two planned remedies to address contaminated groundwater at the Site. This interim action is necessary to stabilize the Site, prevent further environmental degradation, and achieve significant risk reduction while a final remedial solution is being developed.

The Interim ROD identified the following Remedial Action Objectives for the Source Area Operable Unit:

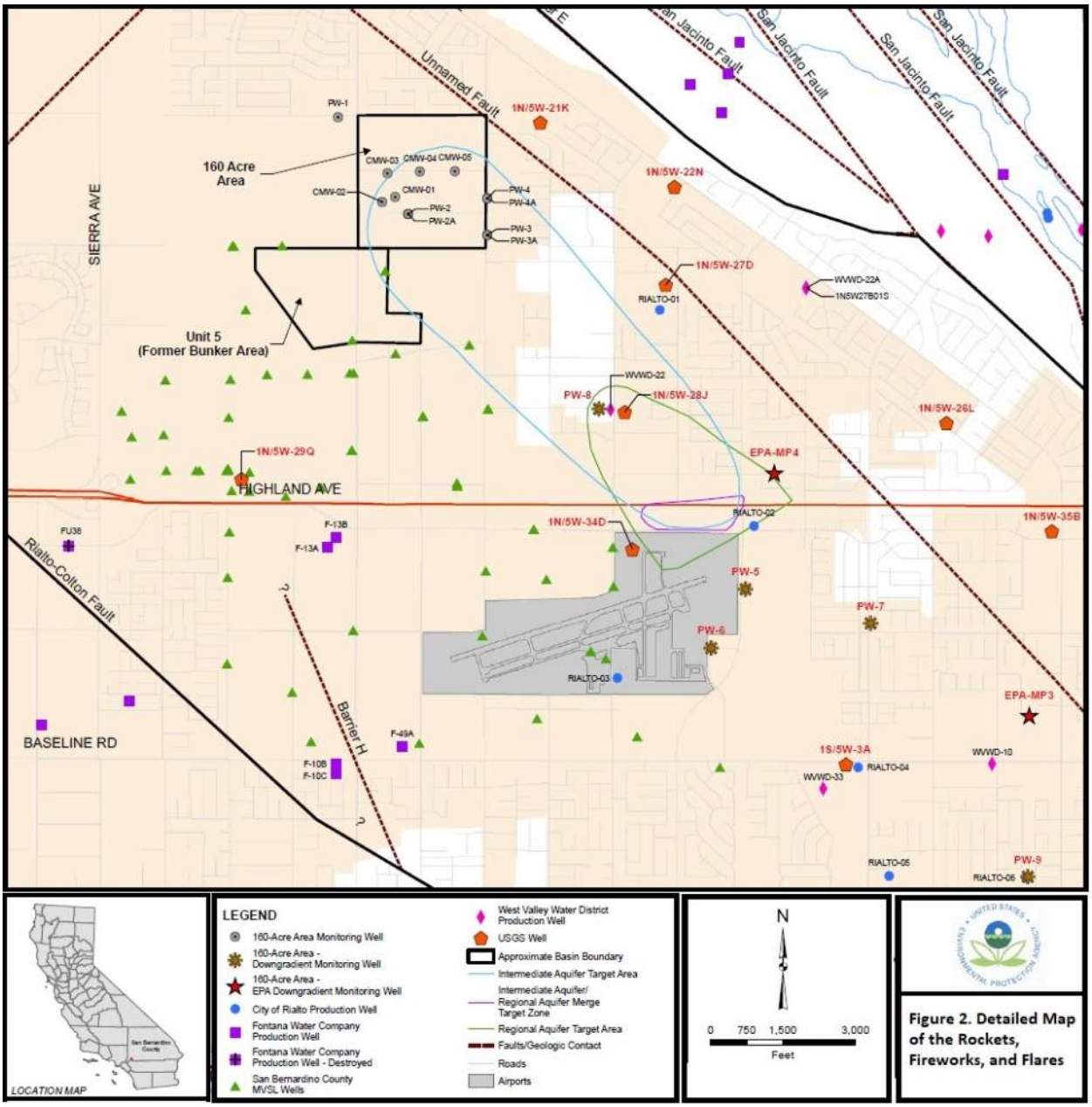
- Protect water supply wells and groundwater resources by limiting the spread of contaminated groundwater from the 160-acre area.
- Remove the contaminants from the groundwater.

EPA's selected remedy for the Source Area Operable Unit is a groundwater pump and treat system and included the following components:

- Groundwater extraction wells located no more than 1,500 feet downgradient of the Intermediate and Regional Aquifer Target Area (defined below).
- Water treatment systems to reduce the concentrations of TCE and other volatile contaminants from the extracted groundwater below levels allowed by federal and state drinking water standards.
- Water treatment systems to reduce the concentrations of perchlorate from the extracted groundwater below the level allowed by the state drinking water standard.
- Pipelines and pumps to convey the contaminated groundwater from the extraction wells to the treatment plant.
- Pipelines and pumps to convey the treated water from the treatment plant to one or more local water utilities for distribution as municipal water supply or to reinjection wells for groundwater recharge.
- A groundwater monitoring program.

The remedy is intended to intercept and provide hydraulic control of contaminated groundwater moving from the 160-acre source area in targeted areas of contamination (defined below). The targeted areas include locations where contaminants entered the groundwater and downgradient areas where high levels of groundwater contamination have been measured. The targeted area of groundwater contamination encompasses portions of the Intermediate and Regional Aquifers as described below:

- The *Intermediate Aquifer Target Area* is the portion of the aquifer within the footprint of and downgradient of the 160-acre area where contaminant concentrations in groundwater exceed chemical-specific ARARs. The upgradient boundary of the Target Area is near groundwater monitoring well CMW-3, the northernmost groundwater monitoring well on the 160-acre area where the concentrations of contaminants consistently exceeded chemical-specific ARARs. The downgradient boundary of the Target Area is where the Intermediate Aquifer is no longer present as a distinct aquifer. The downgradient boundary is in the vicinity of the 210 Freeway, approximately one and one-half miles to the southeast of the 160-acre area (Figure 3).
- The *Regional Aquifer Target Area* is the portion of the Regional Aquifer underlying the Intermediate Aquifer Target Area where the concentrations of the contaminants of concern in groundwater exceed chemical-specific ARARs. The upgradient boundary of the Regional Aquifer Target Area is at or upgradient of well WVWD-22 (Figure 3).



Modified Figure 3-2 from CH2MHILL, 2010. Remedial Investigation/Feasibility Study Report B.F. Goodrich Superfund Site Rialto, California. January 25, 2010.

Figure 3. Footprint of Intermediate and Regional Aquifer Target Areas

Compliance with EPA objectives will be evaluated based on the achievement of hydraulic control in the targeted areas of contamination and the decrease of contaminant concentrations in groundwater over time at downgradient compliance wells. The groundwater at the Site is an important source of drinking water. Limiting the spread of contaminated groundwater should reduce contaminant mass loading to downgradient areas, reducing human health risk by reducing the likelihood and magnitude of exposure.

EPA did not set numeric cleanup goals for the groundwater in the aquifer during implementation of the interim action. EPA will determine cleanup goals for the aquifer in a future action. In 2010, EPA did

select cleanup goals for each contaminant of concern in the extracted and treated groundwater in the Interim ROD (Table 2).

There are no planned or implemented institutional controls identified in the ROD for this Site.

Table 2. Treatment Cleanup Goals for Chemicals of Concern (in Extracted and Treated Groundwater)

COC	Reporting Units	Federal MCL (µg/L)	California MCL (µg/L)	Cleanup Level	Basis for Cleanup Level
Carbon Tetrachloride	µg/L	5	0.5	0.5	California MCL
Chloroform (Trichloromethane)	µg/L	80[1]	80[1]	80[1]	Federal MCL
Methylene Chloride (Dichloromethane)	µg/L	5	5	5	Federal MCL
Perchlorate	µg/L	none	6	6	California MCL
Trichloroethene (TCE)	µg/L	5	5	5	Federal MCL

Notes:
[1]The values listed for chloroform are for the combined concentration of four trihalomethanes: chloroform, dibromochloromethane, bromodichloromethane, and bromoform.

2.3. Remedy Implementation

In March 2014, EPA approved the final design for the treatment plant, which has been designed to work in conjunction with an existing treatment plant at an adjacent state-led cleanup site. The Regional Water Quality Control Board provides regulatory oversight of the adjacent cleanup site, which has similar contaminants and a similar remedy (pump and treat). As part of the remedy for the adjacent state-led site, known as the County Remedy, three extraction wells (Rialto-3, Miro-2, and Miro-3) can deliver up to 2,200 gallons extracted groundwater per minute (gpm) to the County Remedy Treatment Plant. The County Remedy Treatment Plant is located at North Linden Ave and Miro Way, adjacent to the Rialto-3 well.

The County Remedy Treatment Plant was expanded to include capacity for treatment of Site groundwater and will henceforth be referred to as the Combined Treatment Plant. The addition of one extraction well (EW-1) has increased pumping capacity to the Combined Treatment Plant by 2,040 gpm to approximately 4,200 gpm. EW-1, along with one or more of the County Remedy extraction wells, are expected to provide hydraulic control of the Target Area of the Site. Three additional fixed ion exchange resin vessels for perchlorate removal and four additional fixed bed liquid-phase granular activated carbon adsorber vessels for volatile organic contaminants removal have been constructed to treat the extracted groundwater at the Combined Treatment Plant. The ion exchange vessels will operate on a lead/mid/lag configuration. Resin change out criteria will assure effective operation without perchlorate breakthrough from the lag vessel and maximize the run time of the system.

A pilot test was conducted until late 2019. The California State Water Resources Control Board's Division of Drinking Water required demonstration of the effectiveness of the ion exchange resin and

lead/mid/lag series design in the Combined Treatment Plant prior to the amendment of the city of Rialto's domestic water supply permit, which is necessary for operation of the remedy.

A first pilot test was initiated by Emhart Industries, Inc. at the Site in early January 2017, delivering Site groundwater extracted from EW-1 at about 1 gpm to a separate, trailer-sized pilot test setup consisting of several columns filled with perchlorate-specific ion exchange resins. The initial pilot test did not perform as expected, with a brownish discoloration visible in the three ion exchange resins and perchlorate "breakthrough" occurring earlier than modeling predictions. Therefore, the initial pilot test was ended in March 2017 and the State Water Resources Control Board Division of Drinking Water advised that it could not permit the operation of the Combined Treatment Plant based on the initial pilot test alone.

An expert committee was assembled to conduct a forensic analysis of the initial pilot test to determine the cause of the observed anomalies and to recommend changes in the design of the pilot test to more closely approximate conditions during full-scale operation. The expert committee determined that the configuration of the initial pilot test, specifically exposing extracted water to atmospheric conditions in holding tanks for extended periods, led to an increase in pH and temperature of the water prior to entering the pilot test equipment. This resulted in significant calcite scaling within the ion exchange resin columns, inhibiting mass transfer, reducing the effective treatment capacity of the resin, and shortening the throughput capacity and breakthrough time.

The expert committee recommended several changes in pilot test configuration to eliminate the conditions that led to calcite scaling during the initial pilot test with the expectation that this would resolve the resin performance issues. The second pilot test was configured to more closely mimic full-scale operating conditions. Design changes made for the second pilot test include:

- Limiting residence time between extraction and treatment of the groundwater by locating the pilot test equipment at EW-1 and continuously pumping water from EW-1 through the pilot system (without storage in holding tanks).
- Constructing ion exchange columns with bed depths equivalent to the full-scale system.
- Operating the pilot system at the same flow rate per cubic foot resin as the full-scale system.

A second pilot test began in January 2018. Perchlorate breakthrough during the second pilot test followed model predictions, establishing that the resins tested in a lead/mid/lag ion exchange vessel configuration would adequately treat extracted site groundwater and provide enough time to implement resin change-outs without impacting performance. The second pilot test was concluded in December 2019. Following regulatory and local agency approval, continuous operation of the remedy is expected to begin in late 2020, with treated groundwater from the Combined Treatment Plant chlorinated and pumped to the city of Rialto municipal water system.

2.4. Operation and Maintenance

Continuous operation of the remedy is not expected to begin until late 2020. Therefore, no operation and maintenance has occurred during this review period.

3. Progress during this Five-Year Review Period

3.1. Work Completed at the Site During this Five-Year Review Period

Construction of the remedy, including expansion of the County Remedy Treatment Plant, was completed during this five-year review period, as detailed in Section 2.3. Components of the treatment plant expansion were documented during the Site Inspection (Appendix G).

Pilot testing of the ion exchange process to be employed in the expanded treatment system was also completed as described in Section 2.3.

3.2. Community Notification, Involvement and Site Interviews

A public notice was made available by newspaper posting in the *Rialto Record* on March 19, 2020 stating that there was a five-year review and inviting the public to submit any comments to the U.S. EPA. The results of the review and the report will be made available on the EPA site webpage at: http://epa.gov/superfund/rff.

During the Five-Year Review process, interviews were conducted to document any perceived problems or successes with the remedy. All comments and interviews pertaining to this Five-Year Review were completed with the understanding that at the time of this writing the remedy has not begun operation. A consultant for the County of San Bernardino participated in the Site Interviews. The consultant expressed concern over a potential lack of plume capture by the remedy as constructed and cited the need for an additional extraction well.

In addition, the County of Bernardino, Department of Public Works sent a letter to the USACE to elaborate their concerns with the potential effectiveness of the Source Area Operable Unit remedy and the impact of the Source Area Operable Unit remedy on the County remedy. The letter makes several recommendations: 1) reevaluate the boundaries of the area targeted for remediation in the ROD; 2) describe plans to monitor compliance with the ROD after the remedy begins operation; 3) and reevaluate the groundwater extraction plan for the Source Area Operable Unit remedy. The letter from the County is included in Appendix F.

3.3. Data Review

At the time of this report, the selected remedy from the 2010 Interim ROD has largely been constructed but is not yet operational. In the absence of remedy performance data, an evaluation of annual groundwater sampling data has been conducted to assess Site contaminants concentrations at and in the vicinity of the Source Area Operable Unit.

The contaminant data review is limited to carbon tetrachloride, perchlorate and TCE, because according to the Interim ROD, they are the only contaminants of concern for the Source Area Operable Unit that currently or historically exceeded the cleanup standards.

3.3.1. Groundwater Elevations

Groundwater levels in this region are influenced by annual precipitation and municipal pumping. In selected wells, contaminant concentrations have shown a correlation with groundwater levels. Figure 4 shows the relationship between perchlorate concentrations in groundwater, TCE concentrations in groundwater, and water levels in a groundwater monitoring well screened in the Intermediate Aquifer in the source area. Groundwater levels have generally been decreasing in both the Intermediate and Regional Aquifers in recent years (AECOM, 2019). The state of California has experienced extended drought conditions during the period of review for the Five-Year Review and for much of the past decade. Despite decreasing groundwater levels, the overall gradients of the Intermediate and Regional Aquifers have generally continued to trend to the southeast.

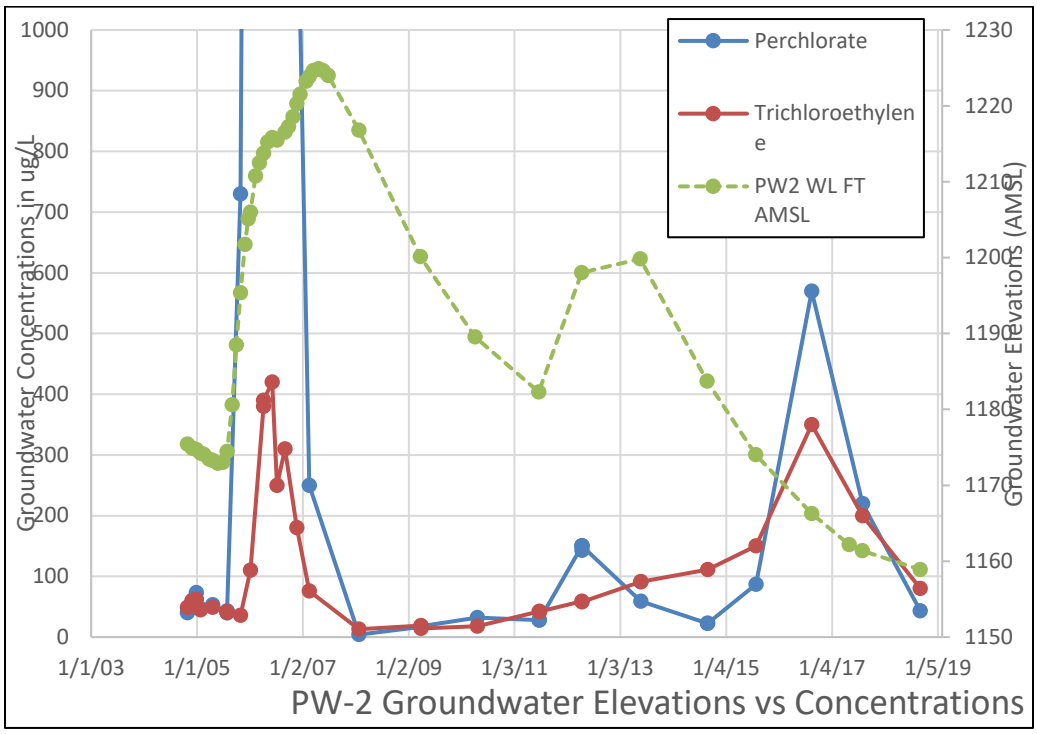


Figure 4. Well PW-2 Groundwater Elevation vs Concentration Graph

3.3.2. Groundwater Concentrations

To evaluate whether concentrations in groundwater have changed over time, U.S. Army Corps of Engineers applied a statistical test (Mann-Kendall) to data from 20 wells for the period 2008 to 2019. (Earlier data are also available for a limited number of wells.) Three contaminants of concern were evaluated: carbon tetrachloride, perchlorate and TCE. Data were taken from the annual groundwater reports prepared by Emhart Industries (AECOM, 2019) for wells and contaminants that met the minimum statistical requirements. Recently installed extraction well EW-1 had insufficient data to complete a Mann-Kendall analysis.

The trend analyses are intended to provide a baseline for future groundwater evaluations.

3.3.2.1 Intermediate Aquifer

Five groundwater monitoring wells screened in the Intermediate Aquifer were evaluated. Perchlorate concentrations showed decreasing or probably decreasing trends in three of the five wells. One well, PW-2, showed an increasing trend from about 2008 to 2016. No trend was observed in the fifth well. A clear pattern was not apparent in TCE concentrations. TCE concentrations in wells PW2 and EMW-05A increased or probably increased but the other three wells showed stable or decreasing trends.

3.3.2.2 Regional Aquifer

Fifteen groundwater monitoring wells screened in the Regional Aquifer were evaluated. The perchlorate concentrations showed stable or decreasing trends in the majority of the wells. Three wells, PW-6B, 6C, and 6D, showed increasing or probably increasing trends. In contrast, a majority of the wells screened in the Regional Aquifer showed stable or increasing trends in TCE concentrations from 2008 to 2019. Two of the 15 wells showed decreasing TCE concentrations over the same period.

Carbon tetrachloride was not detected in any of the 20 wells, with the exception of EMW-04A which showed a probable decreasing trend.

Table 3. Summary of Mann-Kendall Analysis for Perchlorate

Well	Samples (n)[1]	Number of detects	Mann-Kendall Statistic (S)[2]	Confidence in Trend [3]	Coeffiecient of Variation (COV)[4]	Concentration Trend	Maximum concentration (µg/L)	Comments
Intermediate Aquifer Wells								
PW-2	12	12	32	98.4%	1.45	Increasing	570	**Max Concentration in 2016**
PW-8A	12	11	-25	97.0%	0.56	Decreasing	180	**Max Concentration in 2010**
EMW-03A	9	9	11	88.7%	0.33	No Trend	40	**Max Concentration in 2017**
EMW-04A	9	9	-14	94.6%	0.52	Prob Decreasing	160	**Max Concentration in 2016**
EMW-05A	7	7	-11	97.2%	0.73	Decreasing	130	**Max Concentration in 2015**
Regional Aquifer Wells								
EMW-01A	9	8	2	54.8%	0.75	No Trend	38	**Max Concentration in 2014**
EMW-01B	9	9	0	45.2%	0.82	Stable	380	**Max Concentration in 2016**
EMW-04B	9	9	8	80.1%	0.65	No Trend	74.6	**Max Concentration in 2014**
EMW-06D	4	4	-4	83.3%	0.82	Stable	62	**Max Concentration in 2016**
EMW-07D	4	4	4	83.0%	0.47	No Trend	72	**Max Concentration in 2019**
EMW-07S	4	4	0	37.5%	0.16	Stable	68	**Max Concentration in 2018**
EPA-MW9A	7	7	-3	64.0%	0.57	Stable	199	**Max Concentration in 2013**
EW-1	Insufficient Number of Data Points							
PW-5A	12	12	-30	99.0%	0.6	Decreasing	169	**Max Concentration in 2013**
PW-5B	12	12	-29	97.4%	0.43	Decreasing	192	**Max Concentration in 2013**
PW-5C	12	12	-27	96.3%	1.23	Decreasing	1000	**Max Concentration in 2008**
PW-5D	12	11	-49	99.9%	0.5	Decreasing	1600	**Max Concentration in 2010**
PW-5E	12	10	11	81.0%	0.50	No Trend	560	**Max Concentration in 2012**
PW-6B	12	12	42	99.8%	0.76	Increasing	140	**Max Concentration in 2015**
PW-6C	12	12	43	99.9%	0.89	Increasing	160	**Max Conc. In 2016/2017**
PW-6D	12	9	15	92.5%	0.06	Prob Increasing	430	**Max Concentration in 2015**

Notes:

[1] Number of samples used during the Mann-Kendall Statistic analysis.

[2] The Mann-Kendall Statistic (s) measures the trend of the data. Positive values indicate an increase of concentrations over time, whereas negative values indicate a decrease in concentrations over time.

[3] The Confidence in Trend is the statistical confidence that the constituent concentration is increasing (S-0).

[4] The coefficient of variation (COV) is a statistical measure of how the individual data points vary about the mean value. The coefficient of variation, defined as the standard deviation divided by the average. Valuies near 1 indicate that the data form a relatively close group about the mean value. Values other larger or smaller than 1.0 indicate that the data show a greater degree of scatter about the mean.

Table 4. Summary of Mann-Kendall Analysis for TCE

Well	Samples (n)[1]	Number of detects	Mann-Kendall Statistic (S)[2]	Confidence in Trend [3]	Coeffiecient of Variation (COV)[4]	Concentration Trend	Maximum concentration (µg/L)	Comments
Intermediate Aquifer Wells								
PW-2	12	12	44	99.9%	0.95	Increasing	350	**Max Concentration in 2016**
PW-8A	12	12	-43	99.9%	0.68	Decreasing	70	**Max Concentration in 2011**
EMW-03A	9	7	12	87.0%	0.59	No Trend	1.5	**Max Concentration in 2018**
EMW-04A	9	9	-2	54.0%	0.2	Stable	25	**Max Concentration in 2019**
EMW-05A	7	7	11	93.2%	1.2	Prob Increasing	20	**Max Concentration in 2017**
Regional Aquifer Wells								
EMW-01A	9	6	-21	98.3%	0.43	Decreasing	2.6	**Max Concentration in 2014**
EMW-01B	9	8	14	91.0%	0.68	Prob Increasing	9.1	**Max Concentration in 2018**
EMW-04B	9	9	24	99.4%	0.77	Increasing	30	**Max Concentration in 2019**
EMW-06D	4	4	-4	83.3%	1	Stable	11	**Max Concentration in 2016**
EMW-07D	4	4	6	95.8%	0.82	Increasing	6.2	**Max Concentration in 2019**
EMW-07S	4	4	-3	72.9%	0.38	Stable	4	**Max Concentration in 2017**
EPA-MW9A	7	6	-2	55.7%	0.59	Stable	7.5	**Max Concentration in 2013**
EW-1	Insufficient Number of Data Points							
PW-5A	12	8	-20	97.8%	1.57	Decreasing	23	**Max Concentration in 2008**
PW-5B	13	13	16	87.5%	0.37	No Trend	39	**Max Concentration in 2015**
PW-5C	12	12	26	95.7%	0.4	Increasing	34	**Max Concentration in 2015**
PW-5D	13	13	42	99.5%	0.56	Increasing	35	**Max Concentration in 2015**
PW-5E	12	9	27	99.8%	0.71	Increasing	24	**Max Concentration in 2018**
PW-6B	13	10	41	99.9%	0.71	Increasing	11	**Max Concentration in 2019**
PW-6C	12	10	43	99.9%	1.22	Increasing	35	**Max Concentration in 2019**
PW-6D	13	8	23	99.9%	0.46	Increasing	25	**Max Concentration in 2019**

Notes:

[1] Number of samples used during the Mann-Kendall Statistic analysis.

[2] The Mann-Kendall Statistic (s) measures the trend of the data. Positive values indicate an increase of concentrations over time, whereas negative values indicate a decrease in concentrations over time.

[3] The Confidence in Trend is the statistical confidence that the constituent concentration is increasing (S-0).

[4] The coefficient of variation (COV) is a statistical measure of how the individual data points vary about the mean value. The coefficient of variation, defined as the standard deviation divided by the average. Valuies near 1 indicate that the data form a relatively close group about the mean value. Values other larger or smaller than 1.0 indicate that the data show a greater degree of scatter about the mean.

3.4. Site Inspection and Interviews

The site inspection was conducted by Benino McKenna from the U.S. Army Corps of Engineers Seattle District on January 14, 2020. In attendance were Wayne Praskins, EPA Remedial Project Manager; David Towell, Senior Project Manager Jacobs, Eng.; Kamran Javandel, representing Emhart Industries Inc.; Tom Crowley, Utilities Manager for the City of Rialto; David Terry, Project Manager with Veolia; Andrew Coleman, Field Supervisor with Veolia; Jerry Zimmerle, Project Manager AECOM; Tom Munoz, Construction Manager AECOM; and Diana Chacon, Geologist with Geo-Logic Consultants. The purpose of the inspection was to assess the protectiveness of the remedy.

The participants met at the Combined Treatment Plant located on North Linden Ave in the City of Rialto, then toured the groundwater treatment plant and the EW-1 well location. A summary of the site inspection, trip report, and site photos are included in Appendix G.

The portion of the Combined Treatment Plant constructed as part of County Remedy appeared to be in good condition and functioning as intended. The new equipment installed as part of Source Area Operable Unit also appeared to be in good condition but was not in service at the time of the site visit. The groundwater extraction components of the Source Area Operable Unit observed during the site inspection

that will supply the Combined Treatment Plant also appeared to be in good condition. A more complete evaluation of the remedy will be possible when the system begins operation.

4. Technical Assessment

4.1. Question A: Is the remedy functioning as intended by the decision documents?

The remedy is not yet operating, but it is in the final stages of construction and permitting. Perchlorate breakthrough during the second pilot test followed model predictions, establishing that the ion exchange resin and the vessel configuration would adequately treat extracted site groundwater. Upon permitting by the State, remedy operation is expected to commence in 2020. Based on review of project-related documents and data, as well as the site inspection, the remedy is expected to function as intended by the ROD. It is expected that the remedy will achieve the remedial action objectives of protecting water supply wells and groundwater resources by limiting the spread of contaminated groundwater from the 160-acre area and removing contaminants from groundwater.

4.2. Question B: Are the exposure assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives Used at the Time of Remedy Selection Still Valid?

Yes, the exposure assumptions, cleanup levels, and remedial action objectives used at the time of the remedy selection are still valid. Groundwater pumping is restricted to water utilities, which test and treat extracted groundwater as necessary. No new human health or ecological routes of exposure or receptors have been identified. In addition, no new contaminants or contamination sources have been identified. ARARs were evaluated and there were some changes to ARARs since finalization of the 2010 Interim ROD (Appendix D). However, none of these changes are substantial and therefore do not affect the protectiveness of the remedy.

4.3. Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Remedy?

No additional information has come to light which would affect the protectiveness of the remedy.

5. Issues/Recommendations

No issues were identified in this five-year review.

5.1. Other Findings

The following are recommendations that do not affect current and/or future protectiveness and were identified during the Five-Year Review:

- EPA sampled wells Rialto-03, Rialto-06, and EW-1 in November 2017 and March 2018 for per- and polyfluoroalkyl substances (PFAS). Laboratory results show that one type of PFAS (perflourobutylsulfonate) was detected in one untreated groundwater sample from Rialto-06 at a concentration of 77.6 ng/L, which is below EPA's screening level of 400 ng/L. PFAS was not found in any other site samples at or above the reporting limits. It is recommended that this information be formalized in site documentation.

6. Protectiveness Statement

Table 5. Protectiveness Statement

Protectiveness Statement(s)	
Operable Unit:1	*Protectiveness Determination:* Will be Protective
Protectiveness Statement: The remedy at the Rockets, Fireworks and Flares Superfund Site is expected to be protective of human health and the environment upon completion. In the interim, the remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.	

7. Next Review

The next five-year review report for the Rockets, Fireworks, and Flares Superfund Site is required five years from the completion date of this review.

Appendix A: List of Documents Reviewed

AECOM, 2015. April 2015- Additional Groundwater Sampling Data, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. April 27, 2015.

AECOM, 2016. August 2016 Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. November 2016.

AECOM, 2017a. Second Pilot Test Work Plan, Source Area Operable Unit Interim Remedy, Rockets, Fireworks, and Flares Superfund Site Rialto, California. October 2017.

AECOM, 2017b. Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. November 2017.

AECOM, 2018. Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. November 2018.

AECOM, 2019. Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. October 2019.

CH2MHILL, 2010. Remedial Investigation/Feasibility Study Report, B.F. Goodrich Superfund Site, Rialto, California. January 25, 2010.

Emhart Industries, Inc., 2014. Final Design, Source Area Operable Unit, Rockets, Fireworks, and Flares Superfund Site. June 18, 2014.

USEPA, 2010. Superfund Interim Action Record of Decision: Source Area Operable Unit, B.F. Goodrich Superfund Site, San Bernardino County, CA. September 30, 2010.

Appendix B: Site Chronology

Events	Date
EPA added the Site to the National Priorities List (NPL)	September 23, 2009
Remedial Investigation and Feasibility Study Report	January 25, 2010
Interim Action Record of Decision	September 30, 2010
Consent Decree entered by the U.S. District Court for the Central District of California in City of Colton v. American Promotional Events, Inc. et al., Case No. ED CV 09-01864 PSG (SSx) on 2 July 2013 (Doc. No. 1820).	July 2, 2013
EPA changed the name of the B.F. Goodrich site in Rialto California to Rockets, Fireworks, and Flares (RFF)	December 12, 2013
Final Design Report for expanded treatment system	June 18, 2014
Four Party Implementation Agreement	September 1, 2015
Start of On-Site Construction	September 18, 2015
2016 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	November 2016
Initial Pilot Test performed to demonstrate the effectiveness of the ion exchange (IX) resin and lead/mid/lag series design in the Combined Treatment Plant.	December 2016 to March 2017
Second Pilot Test Work Plan	October 2017
2017 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	November 2017
2018 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	November 2018
Second Pilot Test performed to better simulate full-scale operations.	January 2018 to December 2019
2019 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	October 2019

Appendix C: Data Review

Mann-Kendall Analysis for Groundwater

The Mann-Kendall test is a non-parametric test for identifying trends in time-series data. The test compares the relative magnitudes of sample data rather than the data values themselves. One benefit of this test is that the data does not need to conform to any one distribution type. Data reported as non-detects can be included by assigning them a common value that is smaller than the lowest detected value in the dataset, although the number of non-detects should not be greater than 50 percent of the sample size (*n*). For the purposes of this evaluation Non-Detectable values are highlighted in red.

Data are evaluated as an ordered time series. Each data value is compared to all subsequent data values. If a data value from a later time is higher than a data value from an earlier time, *S* is incremented by 1. Conversely, if a data value from a later time is lower than a data value from an earlier time, *S* is decremented by 1. The net result of all such increments and decrements yields the final value of *S*. A positive value of *S* is an indicator of a potentially increasing trend. Likewise, a negative value of *S* is an indicator of a potentially decreasing trend. A very high positive *S* is an indicator of a likely significant increasing trend; however, it is necessary to compute the probability associated with *S* and the sample size, *n*, to statistically quantify the significance of the trend.

Kendall describes a normal-approximation test that may be used for datasets with more than 10 values, provided there are not many tied values within the dataset. First, *S* is determined and then the variance (VAR) of *S* is calculated based on the following equation:

$$VAR(S) = [n*(n-1)*(2n+5)]/18$$

A normalized Test Statistic (*Z*) is calculated using the following equations:

$$Z = (S-1)/\sqrt{[VAR(S)]} \quad \text{if } S>0$$

$$Z=0 \quad \text{if } S=0$$

$$Z= (S+1)/\sqrt{[VAR(S)]} \quad \text{if } S<0$$

For a trend to attain at least a 95 percent level of significance, the Test Statistic *Z* must be greater than 1.645 for a positive trend or must be less than -1.645 for a negative trend. If neither of these conditions are met, then the dataset shows no trend at that level of significance.

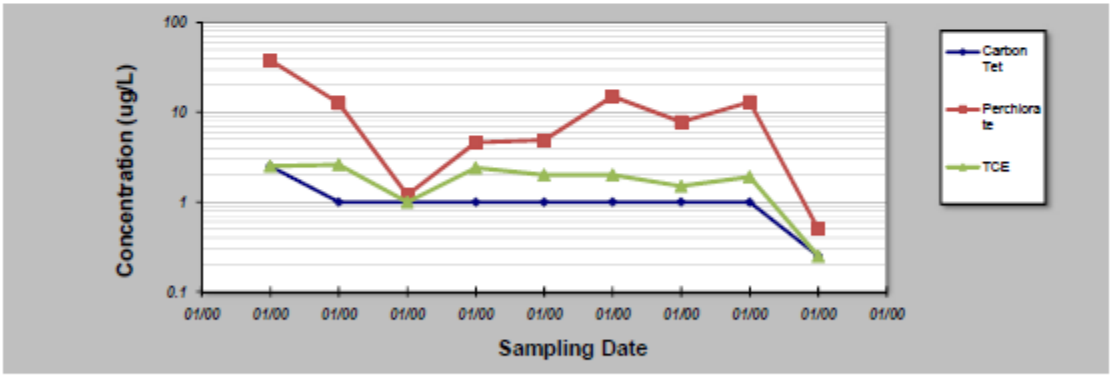
Figure C-1: Mann-Kendall Statistical Analysis for Well EMW-01A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 9-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-01A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	2.5	38	2.5				
2	08/26/2014	1	12.6	2.6				
3	11/05/2014	1	1.2	1				
4	04/01/2015	1	4.6	2.4				
5	07/13/2015	1	4.9	2				
6	8/15/2016	1	15	2				
7	1-Aug-17	1	7.8	1.5				
8	8/14/2018	1	13	1.9				
9	16-Aug-19	0.25	0.5	0.25				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.54	0.75	0.43				
Mann-Kendall Statistic (S):		-15	2	-21				
Confidence Factor:		92.5%	54.8%	98.3%				
Concentration Trend:		Prob. Decreasing	No Trend	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.
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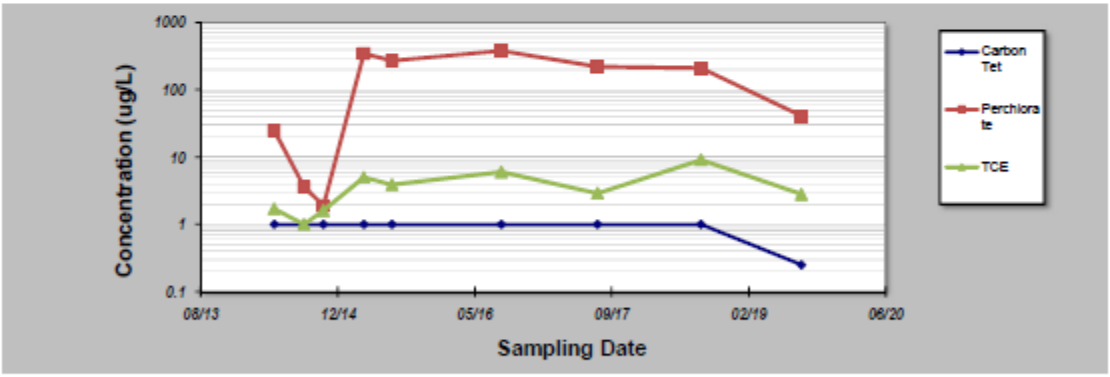
Figure C-2: Mann-Kendall Statistical Analysis for Well EMW-01B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-01B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	25.1	1.7				
2	08/26/2014	1	3.6	1				
3	11/05/2014	1	1.9	1.6				
4	04/01/2015	1	345	5				
5	07/13/2015	1	270	3.9				
6	08/15/2016	1	380	6				
7	8/1/2017	1	220	2.9				
8	14-Aug-18	1	210	9.1				
9	16-Aug-19	0.25	41	2.8				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.27	0.82	0.68				
Mann-Kendall Statistic (S):		-8	0	14				
Confidence Factor:		76.2%	45.2%	91.0%				
Concentration Trend:		Stable	Stable	Prob. Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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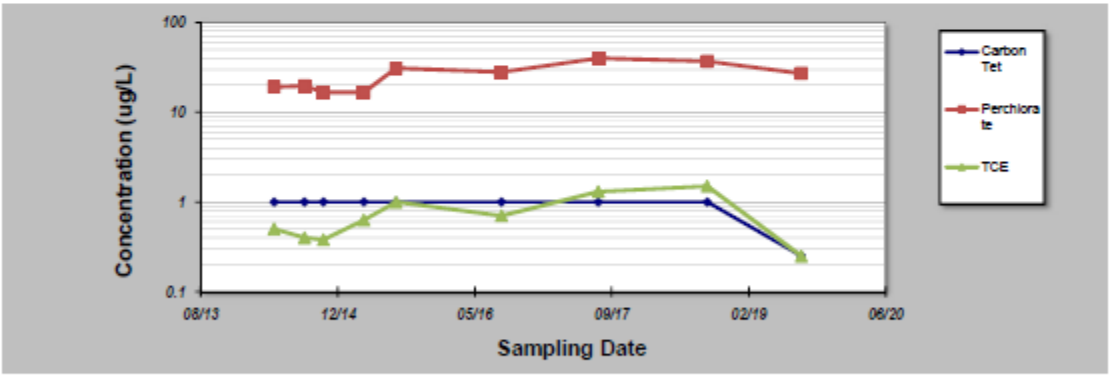
Figure C-3: Mann-Kendall Statistical Analysis for Well EMW-03A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-03A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	19.1	0.5				
2	08/28/2014	1	19.7	0.4				
3	11/05/2014	1	16.7	0.38				
4	04/01/2015	1	16.7	0.63				
5	07/28/2015	1	31	1				
6	8/16/2016	1	28	0.7				
7	4-Aug-17	1	40	1.3				
8	6-Sep-18	1	37	1.5				
9	15-Aug-19	0.25	27	0.25				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.27	0.33	0.59				
Mann-Kendall Statistic (S):		-8	11	12				
Confidence Factor:		76.2%	88.7%	87.0%				
Concentration Trend:		Stable	No Trend	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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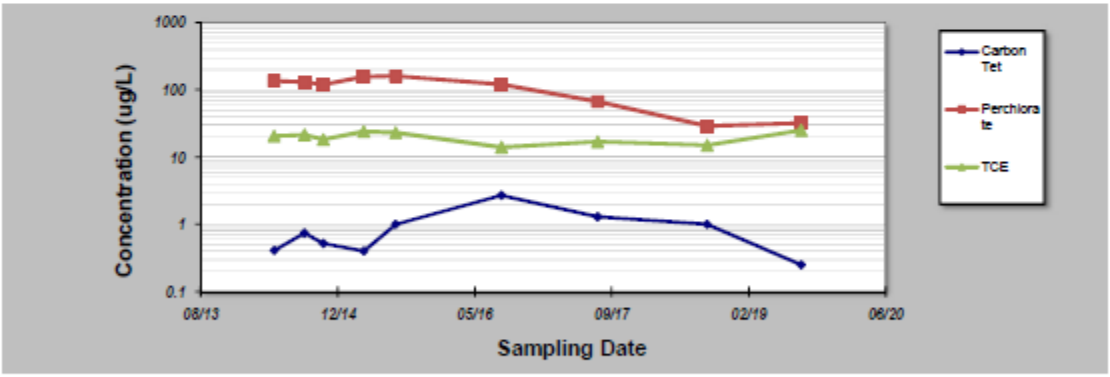
Figure C-4: Mann-Kendall Statistical Analysis for Well EMW-04A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-04A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	0.41	136	20.6				
2	08/28/2014	0.74	130	21.4				
3	11/05/2014	0.52	119	18.3				
4	04/01/2015	0.4	157	24				
5	07/27/2015	1	160	23				
6	16-Aug-16	2.7	120	14				
7	2-Aug-17	1.3	67	17				
8	6-Sep-18	1	29	15				
9	15-Aug-19	0.25	32	25				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.81	0.52	0.20				
Mann-Kendall Statistic (S):		5	-14	-2				
Confidence Factor:		65.7%	94.6%	54.0%				
Concentration Trend:		No Trend	Prob. Decreasing	Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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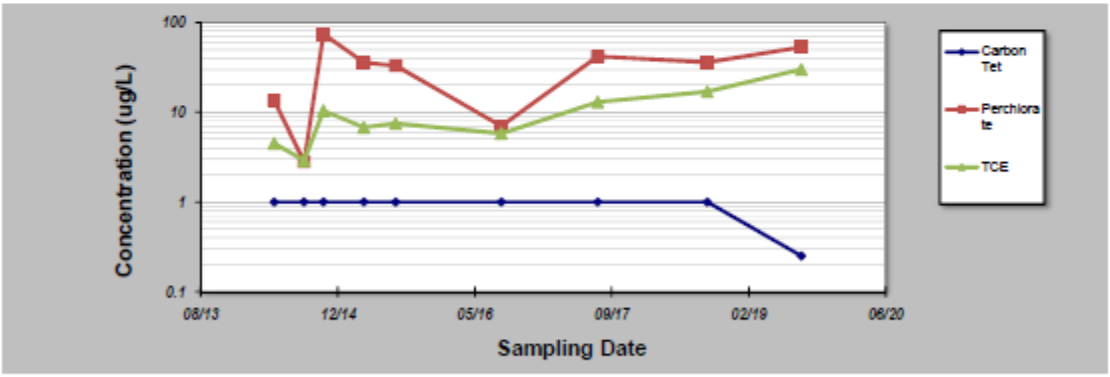
Figure C-5: Mann-Kendall Statistical Analysis for Well EMW-04B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-04B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	13.6	4.5				
2	08/26/2014	1	2.8	2.9				
3	11/05/2014	1	74.6	10.4				
4	04/01/2015	1	35.8	6.8				
5	07/27/2015	1	33	7.5				
6	08/15/2016	1	7	5.8				
7	8/2/2017	1	42	13				
8	6-Sep-18	1	36	17				
9	15-Aug-19	0.25	53	30				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.27	0.65	0.77				
Mann-Kendall Statistic (S):		-8	8	24				
Confidence Factor:		76.2%	80.1%	99.4%				
Concentration Trend:		Stable	No Trend	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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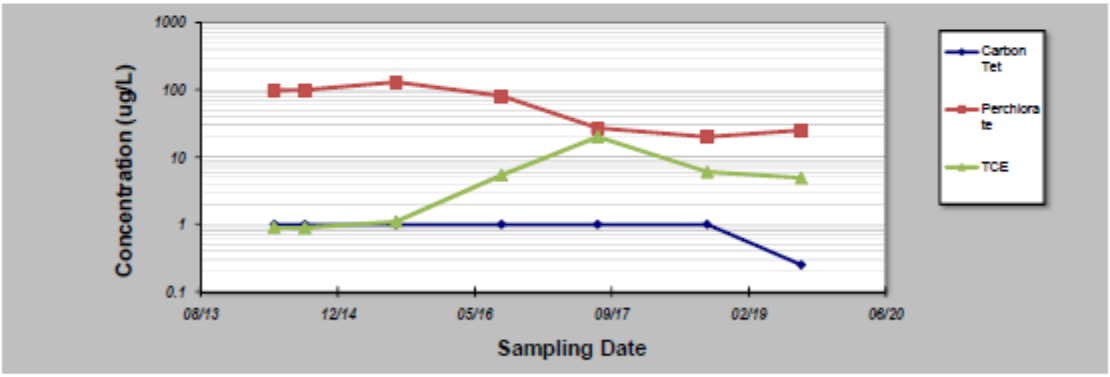
Figure C-6: Mann-Kendall Statistical Analysis for Well EMW-05A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-05A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	98.5	0.9				
2	08/29/2014	1	99.2	0.89				
3	07/28/2015	1	130	1.1				
4	08/16/2016	1	81	5.4				
5	08/02/2017	1	27	20				
6	9/6/2018	1	20	6				
7	15-Aug-19	0.25	25	4.9				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.32	0.73	1.20				
Mann-Kendall Statistic (S):		-6	-11	11				
Confidence Factor:		76.4%	97.2%	93.2%				
Concentration Trend:		Stable	Decreasing	Prob. Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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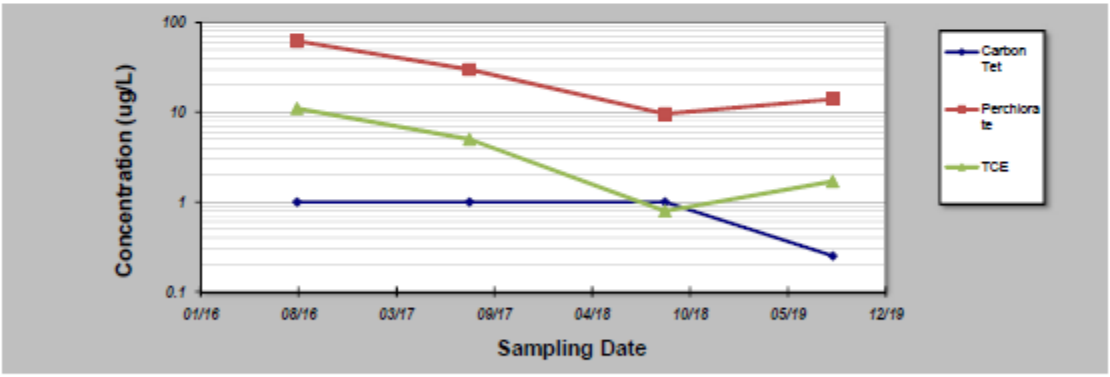
Figure C-7: Mann-Kendall Statistical Analysis for Well EMW-6D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-6D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	08/15/2016	1	62	11				
2	08/02/2017	1	30	5				
3	09/06/2018	1	9.6	0.79				
4	8/15/2019	0.25	14	1.7				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46	0.60	1.00				
Mann-Kendall Statistic (S):		-3	-1	-4				
Confidence Factor:		72.9%		83.3%				
Concentration Trend:		Stable		Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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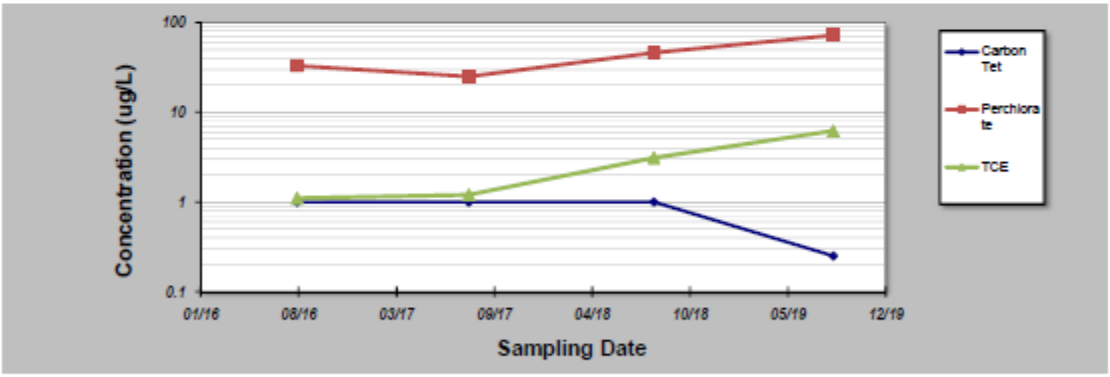
Figure C-8: Mann-Kendall Statistical Analysis for Well EMW-07D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 9-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-07D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	08/15/2016	1	33	1.1				
2	08/01/2017	1	25	1.2				
3	08/14/2018	1	46	3.1				
4	08/16/2019	0.25	72	6.2				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46	0.49	0.82				
Mann-Kendall Statistic (S):		-3	3	6				
Confidence Factor:		72.9%		95.8%				
Concentration Trend:		Stable		Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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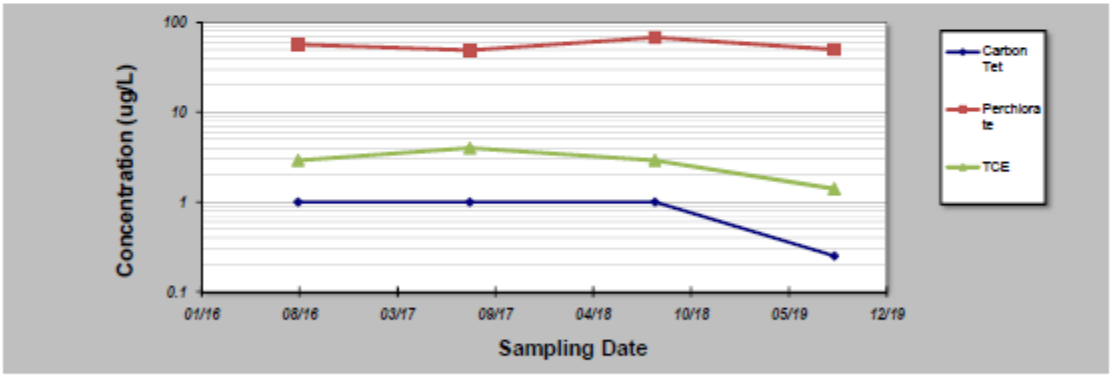
Figure C-9: Mann-Kendall Statistical Analysis for Well EMW-07S

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-07S
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	08/15/2016	1	57	2.9				
2	08/01/2017	1	49	4				
3	08/14/2018	1	68	2.9				
4	08/16/2019	0.25	50	1.4				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46	0.19	0.38				
Mann-Kendall Statistic (S):		-3	1	-3				
Confidence Factor:		72.9%		72.9%				
Concentration Trend:		Stable		Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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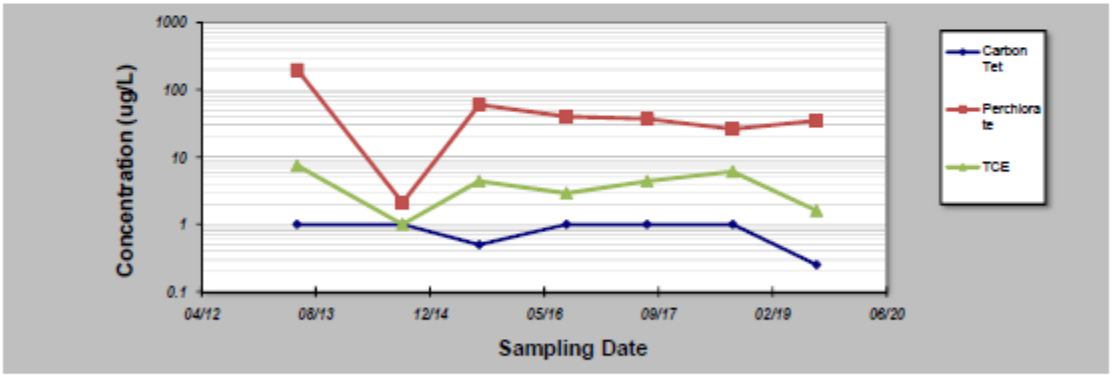
Figure C-10: Mann-Kendall Statistical Analysis for Well EPA-MW9A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 9-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EPA-MW9A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/24/2013	1.0	199.0	7.5				
2	08/28/2014	1.0	2.1	1.0				
3	07/30/2015	0.5	60.0	4.4				
4	08/15/2016	1.0	40.0	2.9				
5	08/04/2017	1.0	37.0	4.4				
6	08/14/2018	1.0	26.0	6.1				
7	16-Aug-19	0.3	35.0	1.6				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.38	0.57	0.59				
Mann-Kendall Statistic (S):		-5	-3	-2				
Confidence Factor:		71.9%	64.0%	55.7%				
Concentration Trend:		Stable	Stable	Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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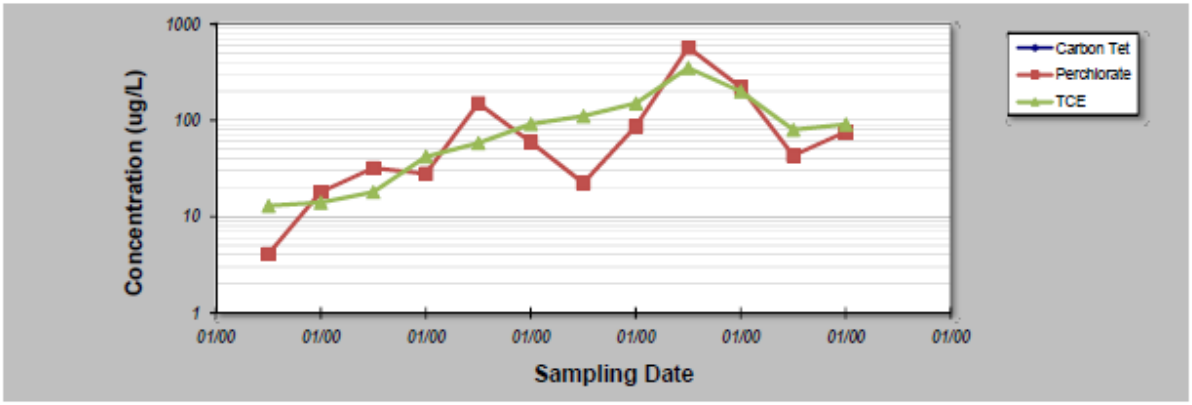
Figure C-11: Mann-Kendall Statistical Analysis for Well PW-2

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Mar-20	Job ID:	PW-2
Facility Name:	Rockets Fireworks & Flares	Constituent:	
Conducted By:	Ben McKenna	Concentration Units:	ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/24/2008	<0.5	4.1	13				
2	3/27/2009		18	14				
3	4/22/2010		32	18				
4	6/22/2011	<0.5	28	42				
5	4/12/2012	<0.5	150	58				
6	05/24/2013	<1.0	59.1	91.4				
7	08/28/2014	<1.0	22.4	111				
8	07/28/2015	<1.0	87	150				
9	08/16/2016	<5.0	570	350				
10	08/03/2017	<2.0	220	200				
11	09/06/2018	<1.0	43	80				
12	8/16/2019	<0.25	76	91				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			1.45	0.95				
Mann-Kendall Statistic (S):			32	44				
Confidence Factor:			98.4%	99.9%				
Concentration Trend:			Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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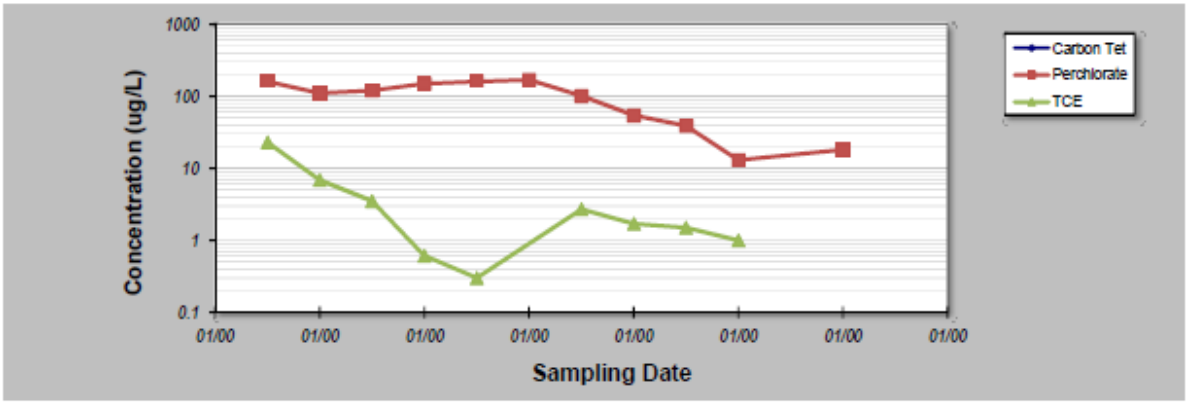
Figure C-12: Mann-Kendall Statistical Analysis for Well PW-5A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-5A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/L)**						
1	1/21/2008	<0.5	160	23				
2	3/18/2009		110	6.9				
3	4/19/2010		120	3.5				
4	7/6/2011	<0.5	150	0.61				
5	4/6/2012	<0.5	160	0.3				
6	05/21/2013	<1.0	169	0.26 J				
7	08/28/2014	<1.0	101	2.7				
8	07/16/2015	<1.0	54	1.7				
9	08/09/2016	<1.0	39	1.5				
10	08/07/2017	<1.0	13	1				
11	08/30/2018	<1.0	2.0 J	0.29 J				
12	8/14/2019	<0.25	18	<0.25				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.60	1.57				
Mann-Kendall Statistic (S):			-30	-20				
Confidence Factor:			99.0%	97.8%				
Concentration Trend:			Decreasing	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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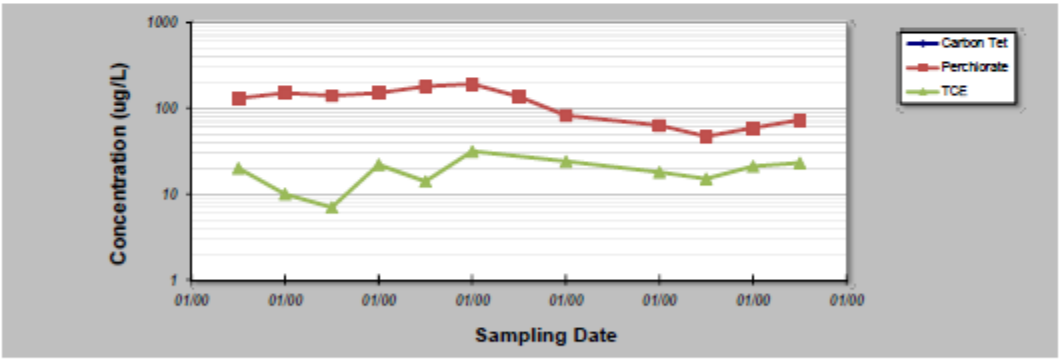
Figure C-13: Mann-Kendall Statistical Analysis for Well PW-5B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-5B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	130	20				
2	3/18/2009		150	10				
3	4/19/2010		140	7				
4	7/6/2011	<0.5	150	22				
5	4/6/2012	<0.5	180	14				
6	05/21/2013	<1.0	192	31.4				
7	08/28/2014	<1.0	136	36.3				
8	07/16/2015	<1.0	82	24				
9	08/18/2015	<0.50	--	39 J				
10	08/09/2016	<1.0	63	18				
11	08/07/2017	<1.0	47	15				
12	08/30/2018	<1.0	59	21				
13	8/14/2019	<0.25	73	23				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.43	0.37				
Mann-Kendall Statistic (S):			-29	16				
Confidence Factor:			97.4%	87.5%				
Concentration Trend:			Decreasing	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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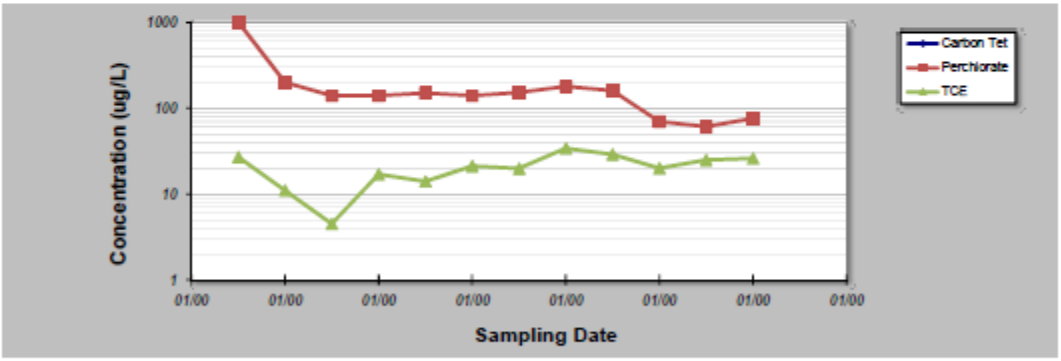
Figure C-14: Mann-Kendall Statistical Analysis for Well PW-5C

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-5C
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	1000	27				
2	3/18/2009		200	11				
3	4/19/2010		140	4.5				
4	7/6/2011	<0.5	140	17				
5	4/6/2012	<0.5	150	14				
6	05/21/2013	<1.0	140	21.2				
7	08/28/2014	<1.0	153	19.8				
8	07/16/2015	<1.0	180	34				
9	08/09/2016	<1.0	160	29				
10	08/07/2017	<1.0	70	20				
11	08/30/2018	<1.0	61	25				
12	8/14/2019	<0.25	76	26				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			1.23	0.40				
Mann-Kendall Statistic (S):			-27	26				
Confidence Factor:			96.3%	95.7%				
Concentration Trend:			Decreasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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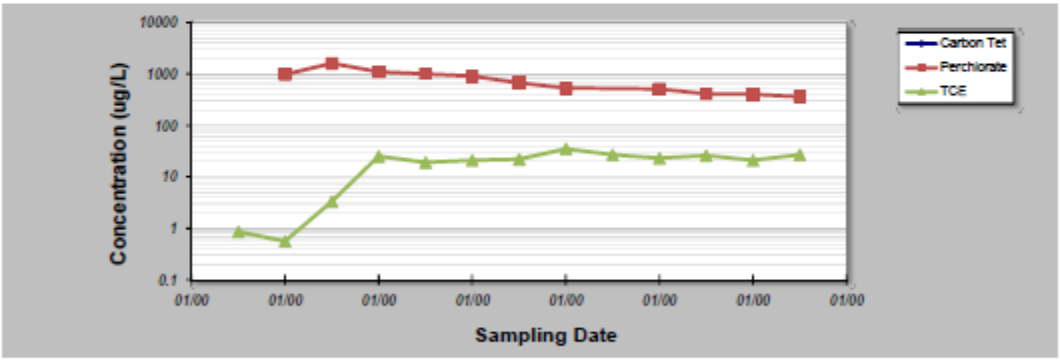
Figure C-15: Mann-Kendall Statistical Analysis for Well PW-5D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-5D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	<1.0	0.86				
2	3/18/2009		970	0.55				
3	4/19/2010		1600	3.3				
4	7/6/2011	<0.5	1100	25				
5	4/6/2012	<0.5	1000	19				
6	05/21/2013	<1.0	908	21				
7	08/28/2014	<1.0	666	21.9				
8	07/16/2015	<1.0	530	35				
9	8/17/2015	<0.50	--	27				
10	8/9/2016	<1.0	510	23				
11	8/7/2017	<1.0	410	26				
12	8/30/2018	<1.0	400	21				
13	8/14/2019	<0.25	360	27				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.50	0.56				
Mann-Kendall Statistic (S):			-49	42				
Confidence Factor:			>99.9%	99.5%				
Concentration Trend:			Decreasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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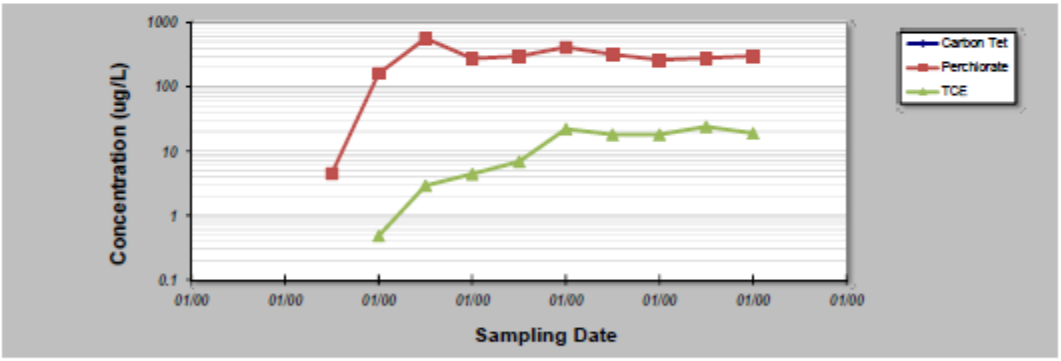
Figure C-16: Mann-Kendall Statistical Analysis for Well PW-5E

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-5E
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	<1.0	<0.5				
2	3/18/2009		<1.0	<0.5				
3	4/19/2010		4.5	<0.5				
4	7/6/2011	<0.5	160	0.48				
5	4/6/2012	<0.5	560	2.9				
6	05/21/2013	<1.0	274	4.4				
7	08/28/2014	<1.0	299	6.9				
8	07/16/2015	<1.0	410	22				
9	8/9/2016	<1.0	320	18				
10	8/7/2017	<1.0	260	18				
11	8/30/2018	<1.0	280	24				
12	8/14/2019	<0.25	300	19				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.50	0.71				
Mann-Kendall Statistic (S):			11	27				
Confidence Factor:			81.0%	99.8%				
Concentration Trend:			No Trend	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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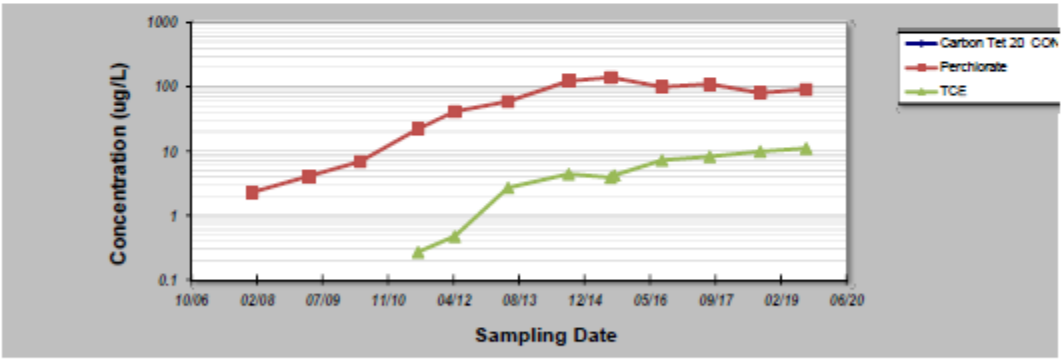
Figure C-17: Mann-Kendall Statistical Analysis for Well PW-6B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-6B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/16/2008	<0.5	2.3	<0.5				
2	3/25/2009		4.1	<0.5				
3	4/19/2010		6.9	<0.5				
4	7/5/2011	<0.5	22	0.27				
5	4/9/2012	<0.5	41	0.47				
6	5/21/2013	<1.0	59.2	2.7				
7	8/27/2014	<1.0	123	4.4				
8	7/15/2015	<1.0	140	3.9				
9	8/11/2015	<0.50	–	4.2				
10	8/9/2016	<1.0	99	7.2				
11	8/8/2017	<1.0	110	8.2				
12	8/29/2018	<1.0	80	9.9				
13	8/14/2019	<0.25	91	11				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.76	0.71				
Mann-Kendall Statistic (S):			42	41				
Confidence Factor:			99.8%	>99.9%				
Concentration Trend:			Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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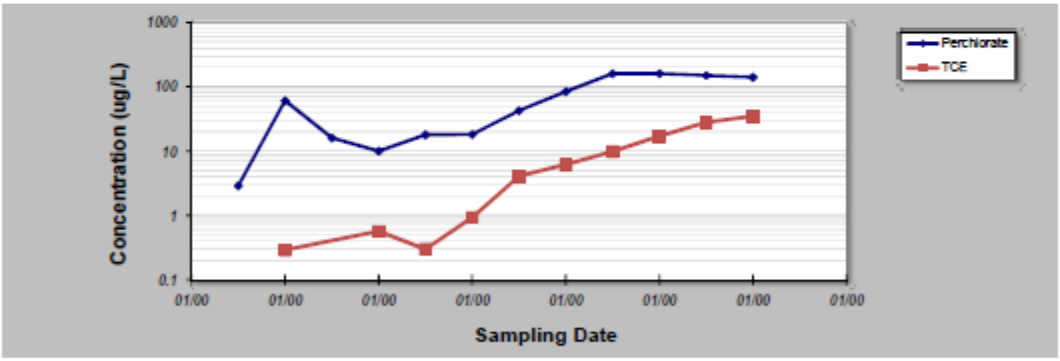
Figure C-18: Mann-Kendall Statistical Analysis for Well PW-6C

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-6C
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/16/2008	<0.5	2.9	<0.5				
2	3/25/2009		61	0.29				
3	4/19/2010		16	<0.5				
4	7/5/2011	<0.5	10	0.57				
5	4/9/2012	<0.5	18	0.3				
6	5/21/2013	<1.0	18.1	0.93				
7	8/27/2014	<1.0	42.5	4.1				
8	7/15/2015	<1.0	84	6.2				
9	8/9/2016	<1.0	160	9.9				
10	8/8/2017	<1.0	160	17				
11	8/29/2018	<1.0	150	28				
12	8/14/2019	<0.25	140	35				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.89	1.22				
Mann-Kendall Statistic (S):			43	43				
Confidence Factor:			99.9%	>99.9%				
Concentration Trend:			Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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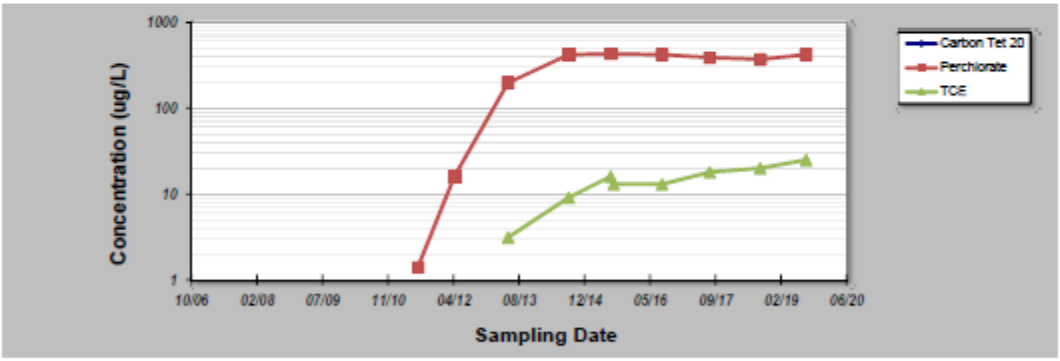
Figure C-19: Mann-Kendall Statistical Analysis for Well PW-6D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-6D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/16/2008	<0.5	<1.0	<0.5				
2	3/25/2009		<1.0	<0.5				
3	4/19/2010		<1.0	<0.5				
4	7/5/2011	<0.5	1.4	<0.5				
5	4/9/2012	<0.5	16	<0.5				
6	5/21/2013	<1.0	197	3.1				
7	8/27/2014	<1.0	420	9.1				
8	7/15/2015	<1.0	430	16				
9	8/6/2015	<0.50	--	13				
10	8/9/2016	<1.0	420	13				
11	8/8/2017	<1.0	390	18				
12	8/29/2018	<1.0	370	20				
13	8/14/2019	<0.25	420	25				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.60	0.46				
Mann-Kendall Statistic (S):			15	23				
Confidence Factor:			92.5%	99.9%				
Concentration Trend:			Prob. Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.
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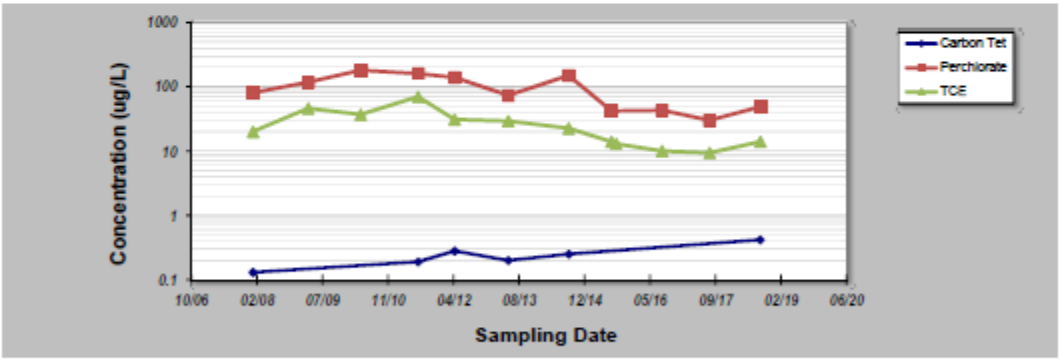
Figure C-20: Mann-Kendall Statistical Analysis for Well PW-8A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-8A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/22/2008	0.13	81	20				
2	3/20/2009		118	46				
3	4/23/2010		180	37				
4	7/6/2011	0.19	160	70				
5	4/9/2012	0.28	140	31				
6	5/23/2013	0.2	73.2	29.3				
7	8/28/2014	0.25	150	22.6				
8	7/20/2015	<1.0	42	14				
9	8/26/2015	<0.50	--	13				
10	8/10/2016	<1.0	43	10				
11	8/7/2017	<1.0	30	9.4				
12	8/30/2018	0.42	49	14				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.41	0.56	0.68				
Mann-Kendall Statistic (S):		11	-25	-43				
Confidence Factor:		97.2%	97.0%	99.9%				
Concentration Trend:		Increasing	Decreasing	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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Appendix D: Applicable or Relevant and Appropriate Requirements Assessment

Section 121(d)(1)(A) of CERCLA requires that remedial actions at CERCLA sites attain (or justify the waiver of) any federal or state environmental standards, requirements, criteria, or limitations that are determined to be legally applicable or relevant and appropriate requirements (ARARs). Federal ARARs may include requirements promulgated under any federal environmental laws. State ARARs may only include promulgated, enforceable environmental or facility-siting laws of general application that are more stringent or broader in scope than federal requirements and that are identified by the state in a timely manner. ARARs are identified on a site-specific basis from information about the chemicals at the site, the remedial actions contemplated, the physical characteristics of the site, and other appropriate factors. ARARs include only substantive, not administrative, requirements and pertain only to onsite activities. There are three general categories of ARARs: chemical-specific, location-specific, and action-specific.

Because this remedy is an interim action that does not include restoration of the aquifer as an objective, EPA is not, at this time, establishing chemical-specific ARARs as *in situ* cleanup goals for contaminated groundwater at the Site. In situ cleanup goals will be addressed in a subsequent decision document. While chemical specific ARARs are not cleanup goals for groundwater, they are applicable to the extracted and treated water which will be utilized as drinking water. Chemical-specific ARARs identified in the ROD for the extracted and treated groundwater are shown in Table A.1.

Table A.1. Summary of Extracted and Treated Groundwater ARAR Changes

Contaminants of Concern	2010 ROD cleanup goals (µg/L)	State MCL (µg/L)	Federal MCL (µg/L)	Is the cleanup goal above the current MCL?
Carbon tetrachloride	0.5 (State)	0.5	5	No
Chloroform (Trichloromethane)	80[1] (Federal)	80[1]	80[1]	No
Methylene Chloride (Dichloromethane)	5 (Federal)	5	5	No
Perchlorate	6 (State)	6	none	No
Trichloroethene (TCE)	5 (Federal)	5	5	No

Notes: [1]There is no MCL for chloroform. The values listed for chloroform are for the combined concentration of four trihalomethanes: chloroform, dibromochloromethane, bromodichloromethane, and bromoform.

No Site contaminants of concern have cleanup levels above their respective current maximum contaminant level (MCL) and there have been no changes to State or Federal MCLs since the 2010 Interim ROD. The California Office of Environmental Health Hazard Assessment (OEHHA) published an updated public health goal (PHG) of 1 part per billion (ppb) for perchlorate in drinking water in February 2015. This updates the previous California PHG of 6 ppb perchlorate, which was set in 2004. The updated PHG is lower because it incorporates new research about the effects of perchlorate on infants.

Federal and State laws and regulations other than the chemical-specific ARARs that have been promulgated or changed over the past five years are described in A-2. There have been no revisions to laws or regulations that are pertinent to the Site which affect the protectiveness of the remedy. The table does not include those ARARs identified in the ROD that are no longer pertinent, now that the remedial design is complete. The table also does not include those ARARs identified in the ROD that have not changed since finalization of the 2010 ROD; and therefore, do not affect protectiveness.

Non-pertinent ARARs are listed below:

- National Historic Preservation Act
- Historic Site Act
- Archaeological and Historic Preservation Act
- Archaeological Resources Protection Act
- Endangered Species Act
- California Endangered Species Act
- Native Plants Protection Act
- Migratory Bird Treaty Act
- California Fish and Game Code
- Native American Graves Protection and Repatriation Act
- Executive Order Protection and Enhancement of the Cultural Environment
- Executive Order on Floodplain Management
- Executive Order Protection of Wetlands
- Executive Order Indian Sacred Sites

ARARs that have not changed since the finalization of the 2010 Interim ROD:

- Clean Air Act, South Coast Air Quality Management District (SCAQMD) Regulation XIII, Rules 1301-1304, 1305-1313, 1401 and 401-403
- RCRA Subtitle C Hazardous Waste Identification and Generator Requirements; California Hazardous Waste Regulations, Generator Requirements 22 CCR, Division 4.5, Chapter 11, Articles 2-5 and Article 1 sections 66261.1-66261.3 and sections 66261.6-66261.9.5.
- Federal SDWA Underground Injection Control (UIC) Regulations, 42 U.S.C. §300f et seq.
  - 40 CFR 144.12-144.13
- Resource Conservation and Recovery Act §3020
  - 42 U.S.C. §6939b

- California Porter- Cologne Water Quality Act, California Water Code 13240
  - Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin, Chapters 2(Plans and Policies), 3(Beneficial Uses), and 4 (Water Quality Objectives)
- Federal Water Pollution Control Act 33 USC 1311, 1314(b)
- Federal Water Pollution Control Act 33 USC 1342,1344
  - 33 CFR 323.1 et seq.
- California Toxics Rule
  - 40 CFR 131.36(d)(10)(ii)
- California Land Disposal Restrictions, Requirements for Generators
  - 22 CCR 66268.1 et seq. Also 22 CCR 66268.3, 22 CCR 66268.7, 22 CCR 66268.9, 66268.40 and 22 CCR 66268.50
- California Hazardous Waste Regulations, Generator Requirements
  - 22 CCR 66262.34(a)(1)(A)
- California Hazardous Waste Regulations, Storage of Hazardous Waste
- 22 CCR 66265.170 et seq. (Article 9) 22 CCR 66265.190 et seq. (Article 10)

Table A-2. Applicable or Relevant and Appropriate Requirements Evaluation

Original ARAR	**Document and Citation**	Original ARAR requirement	Revised requirement	**Revision Date (between Sept. 2010-present)**	**Effect on Protectiveness**
Clean Air Act, South Coast Air Quality Management District (SCAQMD)	2010 Interim ROD SCAQMD Regulation XIII, comprising Rules 1301 through 1313 SCAQMD Rule 1401 SCAQMD Rule 1401.1	Rules 1301 through 1313 establish new source review requirements. Rule 1303 requires that all new sources of air pollution in the district use best available control technology (BACT) and meet appropriate offset requirements. Emissions offsets are required for all new sources that emit in excess of 1 pound per day of volatile organic compounds. SCAQMD Rule 1401.1 applies to discharges that are within 500 feet of a school and requires that the discharges from a facility do not create a cancer risk in excess of 1 in 1 million (1 × 10-6) at the school.	Rule 1304.1 requires paying fees for up to the full amount of offsets provided by SCAQMD. Rule 1401.1 requires additional direction for staff to provide a report to the stationary source committee regarding the use of historical data in health risk assessments in certain circumstances and receiving and filing the SCAQMD risk assessment procedures for preparing risk assessments for the air toxics 'hot spots' information and assessment act	Rule 1304.1 adopted September 6, 2013 Rule 1401.1 revision date June 5, 2015	None. Also, the revised requirement is not substantive to the remedy.

Original ARAR	**Document and Citation**	Original ARAR requirement	Revised requirement	**Revision Date (between Sept. 2010-present)**	**Effect on Protectiveness**
RCRA Subtitle C Hazardous Waste Identification and Generator Requirements; California Hazardous Waste Regulations, Generator Requirements	2010 Interim ROD 22 CCR, Division 4.5, Chapter 11 Identification and Listing of Hazardous Waste	A solid waste is a RCRA hazardous waste if it exhibits any of the characteristics of ignitability, corrosivity, reactivity, or toxicity identified in 22 CCR 66261.21, 66261.22(a)(1), 66261.22(a)(2), 66261.23, 66261.24(a)(1), 22 CCR 66262.11, and 22 CCR 66260.200, or if it is listed as a hazardous waste in Article 4 of Chapter 11. Under the California RCRA program, wastes can be classified as non-RCRA, state-only hazardous wastes if they exceed the soluble threshold limit concentration (STLC) or the total threshold limit concentration (TTLC) values listed in 22 CCR 66261.24(a)(2).	Chapter 11, Article 1, § 66261.4. Exclusions amends subsection (h) stating the CRT panel glass that meets the criteria in section 66273.81 of chapter 23 of this division and destined for disposal is not a hazardous waste for purposes of disposal and is exempt from the generator and hazardous waste disposal fees. Subsection (i) states the CRT panel glass that is managed in accordance with section 25143.2.5 of the Health and Safety Code is not subject to regulation by DTSC pursuant to Health and Safety code and 40 CFR Section 261.4.	Revision date October 22, 2018	None

Appendix E: Public Notice

Proof of Publication

STATE OF CALIFORNIA.
SS
County of San Bernardino
I declare under penalty of perjury that:

I am a citizen of the United States and a resident of the County aforesaid: I am over the age of eighteen years, and not a party to nor interested in the above entitled matter. I am the principal clerk of the printer of the Rialto Record, a newspaper published in the City of Rialto, County of San Bernardino, State of California, and which newspaper is published for the dissemination of local news and intelligence of a general character, and which newspaper at all the times herein mentioned had and still has a bona fide subscription list of paying subscribers, and which newspaper has been established, printed and published at regular intervals in the City of Rialto, County of San Bernardino, State of California, for a period exceeding one year next preceding the date of publication of the notice hereinafter referred to; and which newspaper is not devoted to nor published for the interests, entertainment or instruction of a particular class, profession trade, calling, race, or denomination, or any number of the same, that the notice, or which the annexed is a printed copy has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

March 19, 2020

I certify under penalty of perjury that the foregoing is true and correct.

Dated: March 19, 2020

Signature _____

EPA SEEKS PUBLIC INPUT ON CLEANUP WORK AT ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

The U.S. Environmental Protection Agency (EPA) is reviewing its work to clean up the Rockets, Fireworks and Flares Superfund site in and near Rialto, California. This review—called a "Five-Year Review" —will see if the cleanup plan for the site is still working as it was designed and that it still protects human health and the environment. According to the Superfund law, EPA is required to review its cleanup plan, or "remedy," every five years if either the cleanup takes more than five years to complete, or, if hazardous waste remains on site.

The Rockets, Fireworks, and Flares site includes a 160-acre industrial area in Rialto, California where the U.S. Army, defense contractors, fireworks manufacturers, and other businesses have operated since the 1940s. These companies handled perchlorate salts and/or other hazardous chemicals and disposed of chemical wastes on site, contaminating the soil and groundwater.

This is the first Five-Year Review for the site.

What Is Included in a Five-Year Review?
Five-Year Reviews include:
- an inspection of the site and cleanup technologies;
- *if available, review of monitoring data, operating data, and maintenance records;* and
- a determination if any new relevant regulatory requirements have been established since EPA's original cleanup decision was finalized.

EPA Wants to Hear from You!
EPA invites the community to learn more about the site and welcomes your input about how the site cleanup is going in an interview. If you would like to be interviewed, please contact Wayne Praskins, Remedial Project Manager for the site, at (415) 972-3181 or at praskins.wayne@epa.gov before April 30, 2020.

For more site information, visit EPA's web page at: www.epa.gov/superfund/rf

CNS-3351737#

RIALTO RECORD
P.O. Box 110
Colton, CA 92324
Phone (909) 381-9898 • 384-0406 FAX

The Rialto Record was declared a newspaper of general circulation on April 22, 1966 in Judge Joseph T. Ciano's court. Decree Number 26583. Recorded in Book 193, Page 126 of Official Records of San Bernardino County, California.

A0000053891 20

Appendix F: San Bernardino County Response Letter

222 West Hospitality Lane 2nd Floor, San Bernardino, CA 92415-0017 | Phone: 909.386.8701 Fax: 909.386.8900
www.SBCounty.gov

SAN BERNARDINO COUNTY

Department of Public Works
- Flood Control
- Operations
- Solid Waste Management
- Surveyor
- Transportation

Brendon Biggs, M.S., P.E.
Interim Director

February 10, 2020

U.S. Army Corps of Engineers
USACE Seattle District
4735 East Marginal Way
Seattle, WA 98134

Attention: Ben McKenna, PG, Geologist

RE: County of San Bernardino's Response U.S. Army Corps of Engineers Review Questionnaire Rockets, Fireworks & Flares Superfund Site Rialto, California

Thank you for allowing the County of San Bernardino (County) to respond to the U.S. Army Corps of Engineers' interview questionnaire regarding the remedy planned by Emhart Industries Inc. (Emhart) for Source Area Operable Unit 1 (SAOU-1) for the Rockets, Fireworks and Flares Superfund Site in Rialto, California (the Remedy). The Remedy is designed to remediate contamination in the northern portion of what is known as the Eastern Perchlorate Plume in the Rialto Colton Basin. Emhart is implementing the Remedy pursuant to a 2012 Consent Decree. The County appreciates this opportunity to provide input to help ensure that the Remedy is effective and does not adversely impact the County's remedy for another, nearby plume, the Western Perchlorate Plume.

Background

Since 2005, the County has been operating a separate remedy to address the Western Perchlorate Plume under the oversight of the California Regional Water Quality Control Board. Initially, the County's system extracted water only from City of Rialto Well No. 3 (CR-3). As anticipated, data indicates that the Western Perchlorate Plume has been shifting west for a number of years, and for the last several years, the County has been gradually shifting the focus of its containment program to the west.

In 2013, Emhart completed modeling for its Remedial Design for the Eastern Perchlorate Plume. Emhart's modeling relies on two wells, EW-1 (constructed by Emhart) and CR-3 (constructed by Rialto) to capture the Eastern Perchlorate Plume target area. Emhart's Remedial Design indicates that Emhart will construct a second well (EW-2) if pumping from EW-1 and CR-3 cannot adequately contain the Eastern Perchlorate Plume as part of SAOU-1.

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Gary McBride, Chief Executive Officer

The County entered into an agreement with Emhart in 2015 that allows Emhart to expand the County's existing perchlorate and VOC treatment plant at CR-3, which the County has used to address the Western Perchlorate Plume, to support the Remedy for the Eastern Perchlorate Plume. The agreement between the County and Emhart also allows Emhart to utilize CR-3 to help contain the perchlorate and VOC plume associated with the SAOU-1 even if the County shifts its remedy extraction to other wells. The County and Emhart also entered into an agreement in 2015 with the City of Colton and the City of Rialto in connection with the combined treatment system for these response actions.

Issues of Concern

The County has the following comments regarding the ongoing implementation of the SAOU-1. The County raises these issues to facilitate the implementation of the Remedy, now that it is about to become operational.

(1) **Definition of Source Area.** The Record of Decision (ROD) for the SAOU-1 provides for the refinement of the target area for the remedy during remedial design. *See* USEPA, Interim Action Record of Decision (Sept. 30, 2010) at Section 2.4.8, p. 2-15. ("It is expected that additional monitoring wells will be installed during the remedial design phase of the remedy to refine the upgradient and downgradient boundaries of the targeted area."). Emhart's 2013 Modeling Report, too, concludes that installation of additional monitoring wells is necessary to address the uncertainty regarding the northern boundary of the Target Area. *See* ERM Final Groundwater Flow Modeling Report (July 26, 2013), section 6.0, p. 36.

In June 2014 comments on the Remedial Design, USEPA requested that Emhart re-evaluate the boundaries of the Target Area "after installation and sampling of the new groundwater monitoring wells in early 2014." USEPA Response to Comments on Remedial Design, Comment #4. In response, Emhart stated that it would "re-evaluate the boundaries of the Target Area as appropriate based on monitoring data and remedy performance." Though USEPA approved Emhart's Remedial Design, it did not agree with Emhart's plan to re-evaluate the Target Area "as appropriate," and stated that Emhart needed a firm timetable for the re-evaluation. USEPA stated: "[a] re-evaluation is appropriate after sampling data are available in 2014 from the installation of the new groundwater monitoring wells. Data should be available well before the remedy becomes operational." USEPA, Approval of Preliminary Design Report (Nov. 18. 2013), Comment #2. As far as the County is aware, a re-evaluation of the boundaries of the Target Area has not yet been completed, as required by USEPA. An analysis of the Target Area will be important for evaluating the adequacy of the response action to achieve its objectives and how that response action can be optimized over time.

(2) **Measuring Containment.** It is anticipated that the Remedy will begin operating this year. It could be helpful to identify the analytical measures and well locations where containment of the Eastern Perchlorate Plume will be measured. Similarly, it could be useful to identify the metrics for determining adequate containment efficiency and a time-frame for its determination.

(3) **Pumping Rate of CR-3.** Emhart's Remedial Design considers past and potential pumping rates at CR-3, and relies on CR-3 in part for capturing the Eastern Plume. Emhart's 2013 Modeling Report relies upon CR-3 pumping at a rate of 1300 gpm if only CR-3 and EW-1 are used. *See*

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Gary McBride Chief Executive Officer

ERM Final Groundwater Flow Modeling Report (July 26, 2013), section 6.0, p. 36. *See also* Preliminary Design Report (2013), section 4.2.1. As the Emhart remedy is implemented, and as the County moves the focus of its remedial pumping away from CR-3 to optimize containment of the Western Plume under oversight of the Regional Board, it may be necessary for EPA to re-evaluate the optimal strategy for the Eastern Plume containment program.

(4) **Impact of Current Groundwater Elevations**. Given current groundwater elevations (which for this water year reflect a 39% reduction in key water rights due to lower water levels in the index wells) and other data, it may be prudent to re-evaluate ways to optimize the containment program for the Remedy, including whether an additional extraction well (such as EW-2) should be installed. Emhart originally proposed that the need for a second remedy well (EW-2) will be determined *after* evaluating the performance of the planned remedy well. USEPA has indicated that EW-2 will be necessary if any of the following three conditions occur: data indicating insufficient capture of the plume, monitoring well results indicating a more westerly groundwater flow, and data indicating that the Target Area is larger than assumed in the Final Design. *See* USEPA Comments on the Preliminary Design Report (Nov. 1, 2013), Comment #8. Further, in approving the remedial design, USEPA stated that the need for a second remedy well may become apparent even before Emhart's remedy well (EW-1) begins operation. *See* USEPA, Approval of Preliminary Design Report (Nov. 18. 2013), Comment #4 (stating "As we have commented before, new data may warrant installation of a second new extraction well before the remedy begins operation."). The County believes that these conditions have been met, and that EPA should further evaluate optimization of the remedy, including the potential need for an additional extraction well.

Thank you again for the opportunity to provide comments on the SAOU-1 remedy in the context of the 5-year review. Please contact Ralph Murphy at (909) 781-9021 if you have any questions or would like to schedule a time to discuss this matter.

Respectfully,

for **DARREN J. MEEKA, P.E.**
Interim Deputy Director

DM:MR:co

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Appendix G: Site Inspection Report and Photos

Trip Report
Rockets, Fireworks & Flares Superfund Site, Rialto, California

---

1. INTRODUCTION

a. Date of Visit: 14 January 22, 2020

b. Location: Rialto, California

c. Purpose: A site visit was conducted to visually inspect and document the conditions of the remedy, the site, and the surrounding area for inclusion into the Five-Year Review Report.

d. Participants: *List all attendees*

Benino McKenna	USACE Seattle District Geologist	(206) 764-3803
Wayne Praskins	USEPA Region 9 Remedial Project Manager (RPM)	(415) 972-3181
Kamran Javandel	Allen Matkins/Emhart Industries, Inc.	(415) 273-7473
Tom Crowley	Utilities Manager, City of Rialto	(909) 820-8056
David Towell	Sr. Project Manager, CH2MHILL/Jacobs	(213) 228-8285
David Terry	Veolia, Project Manager	(909) 222-7648
Andrew Coleman	Veolia, Field Supervisor	(909) 301-9837
Jerry Zimmerle	Project Manager, AECOM	(949) 939-4640
Tom Munoz	Construction Manager, AECOM	(714) 394-8147
Diana Chacon	Geologist, Geo-Logic	(949) 929-4279

2. SUMMARY

A site visit to the location of the groundwater treatment plant for the Rockets, Fireworks & Flares (RFF) was conducted on 14 January 2020. The participants toured the groundwater treatment plant, groundwater extraction well location and the location of the recently completed pilot study. The existing groundwater treatment plant is owned and operated by the City of Rialto but was expanded to accept water from the RFF extraction well system to be treated and discharged. The expansion portion of the treatment plant is not currently in operation but is planned to begin in 2020 pending permitting from the State of California.

3. DISCUSSION

On 13 January 2020 Benino McKenna traveled from Seattle, Washington to Ontario, California and met with the site visit participants on 14 January 2020 at the existing groundwater treatment plant owned by the City of Rialto, California. The weather was partly cloudy and cool with an approximate temperature of 56ºF. The site is accessed from North Linden Ave and is located approximately 6.5 miles west of the downtown San Bernardino.

Mr. McKenna arrived on site at 11:00am and met with the site participants. The participants were given a briefing on the purpose of the site visit by Mr. Wayne Praskins and a health and safety briefing from the plant operators from Veolia.

Mr. McKenna proceeded to inspect the existing groundwater treatment system operated by the City of Rialto. The system extracts from one well on site (Rialto 3) and receives additional influent water from offsite extraction wells.

Influent groundwater is filtered through a sand separating unit and 5-micron bag filtration before being treated by ultra-violet (UV) system. After the UV treatment groundwater is sent to a 125,000 gallon equalization tank which distributes groundwater to the existing groundwater treatment system as well as the new expansion of the system for the RFF groundwater. Both the existing treatment system and the new RFF expansion utilize ion exchange (IX) and granular activated carbon (GAC) vessels to treat groundwater before final chlorination before discharging to the municipal water system

The new expansion of the groundwater treatment system that was constructed to treat the groundwater from the RFF extraction wells was not operation at the time of inspection. The treatment vessels did not contain any GAC or IX but did have groundwater actively being cycled through them to prevent any interior corrosion or biofouling. The new expansion is anticipated to come on line in April of 2020.

A Site Inspection Checklist was completed for the existing treatment system even though the new expansion was not active to document the process that will eventually be utilized for the new expansion. All components of the treatment system were in excellent condition with clear signage and all influent, mid and effluent sample ports clearly marked and labeled.

After the groundwater treatment plant walkthrough, part of the team then drove east to an active drilling location where drill crews were installing a 70 foot deep dry well adjacent to the newly installed extraction well EW-1. The new extraction well will eventually be tied into the existing supply lines and supply groundwater to the new expansion of the treatment system. The drilling location was located adjacent to the site of the recent pilot study which was completed to facilitate the permitting of the new treatment plant expansion.

After viewing the drilling operations the majority of the team departed. AECOM Construction Manager Tom Munoz escorted Mr. McKenna into the drill site to document activities and then to existing supply wells Miro-2 and Miro-3.

The site visit concluded at approximately 1530.

4. ACTIONS

The USACE will incorporate information obtained from the site visit into the Five Year Review report.

Benino McKenna
Geologist
CENWS-ENT-G

Site Visit Photos

Combined Treatment Facility	Rialto 3 Supply Well
125,000 gallon EQ Tank and Booster Pumps	Rialto 3 Supply Well Control Panel

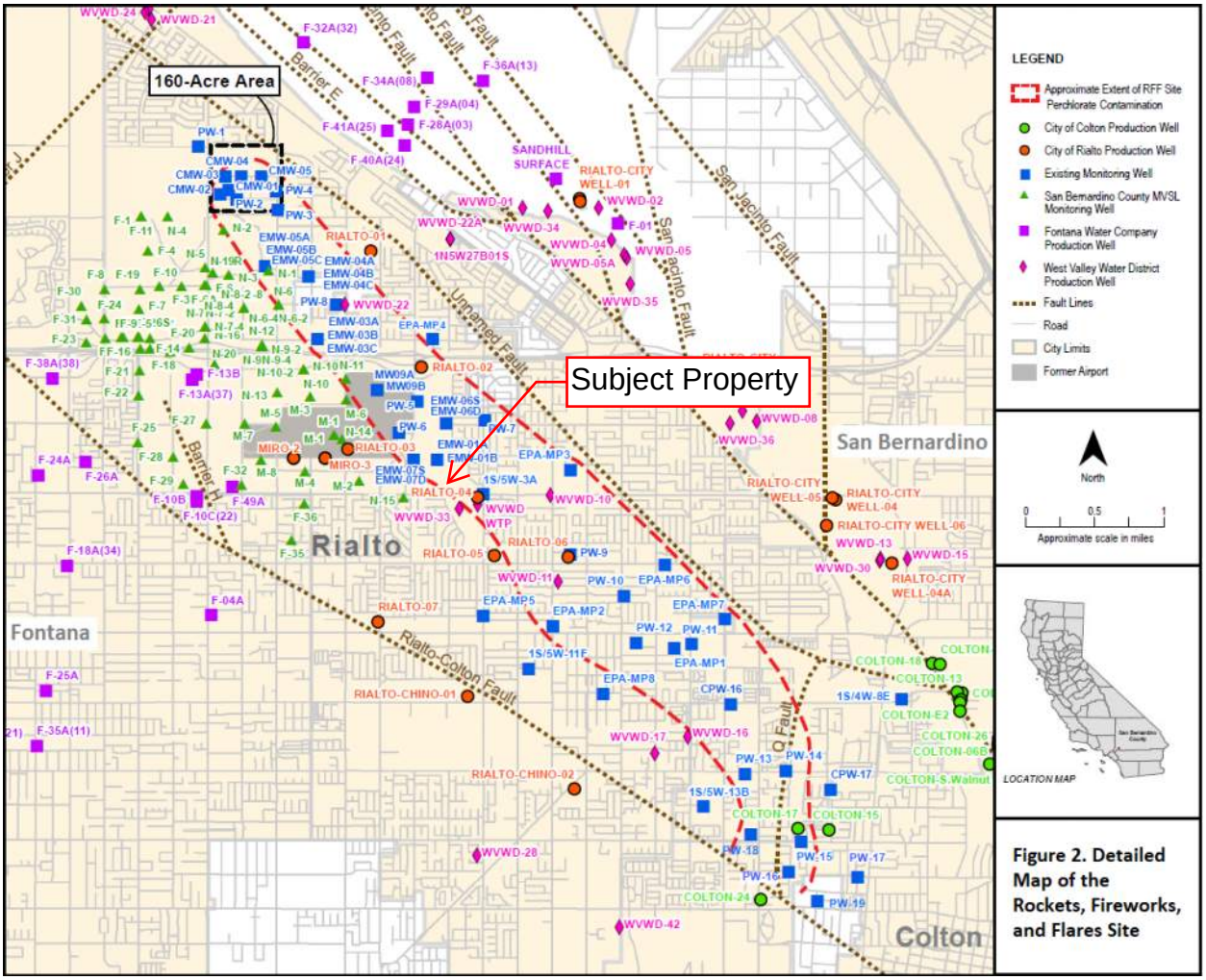
Trip Report
Rockets, Fireworks & Flares FYR 3

Rialto 3 Supply Well 5-Micron Bag Filters	IX Resin Vessel (front) and GAC Vessels (rear)
Expanded Section of Treatment Plant	Chlorination Treatment Building
Rialto 3 Influent Sampling Station & Signage	System Effluent Sampling Station & Signage

Trip Report
Rockets, Fireworks & Flares FYR 4

Drill Crews Installing 70-foot Dry Well at EW-1 Site	AECOM Drill Site Showing EW-1 & PZ-1D & PZ-1S
Former Pilot Test Area being Cleaned Up	Miro 3 Supply Well Pump House

Perchlorate site
W Casa Grande Dr
N Locust Ave
Bohnert Ave
W Bohnert Ave
N Apple Ave
Cactus Ave
Ayala Dr
W Casmalia St
N Alder Ave
210
W Renaissance Pkwy
Easton St
Subject Property
W Walnut Ave
N Ayala Dr
E Base Line Rd



Modified from Figure produced by Jacobs Engineering in July 2019

Figure 1. Map for the Rockets, Fireworks, and Flares Superfund Site

1.3. Hydrology

The 40-square-mile Rialto-Colton Groundwater Basin is located in western San Bernardino County, California, east of the City and County of Los Angeles. The Rialto-Colton Groundwater Basin is bounded on the northwest by the San Gabriel Mountains and southeast by the Badlands, a series of hills located at the margin of the basin. The basin is approximately 10 miles long, from 1.5 to 3.5 miles wide, and it is bounded by geologic faults on its western, northern, and eastern sides. The San Jacinto Fault forms the northeastern boundary, and the Rialto-Colton Fault forms the southwestern boundary. The Santa Ana River cuts across the southeastern part of the basin, and Warm and Lytle Creeks join the Santa Ana River near the eastern edge of the basin. Except in the southeastern part of the basin, the San Jacinto and Rialto-Colton faults appear to restrict groundwater flow into and out of the basin (USGS, 1997).

FIRST FIVE-YEAR REVIEW REPORT FOR ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE SAN BERNARDINO COUNTY, CALIFORNIA

PREPARED BY

U.S. Army Corps of Engineers Seattle District

FOR

U.S. Environmental Protection Agency

Region 9

Approved by:

DANA BARTON Digitally signed by DANA BARTON Date: 2020.08.28 17:07:12 -07'00'

Dana Barton, Assistant Director
CA Site Cleanup & Enforcement Branch
Region 9
US. Environmental Protection Agency

Date:

Executive Summary

This is the first Five-Year Review of the Rockets, Fireworks, and Flares Superfund Site (Site) located in San Bernardino County, California. The purpose of this Five-Year Review is to review information to determine if the remedy is and will continue to be protective of human health and the environment.

Most of the Site is located in the Rialto-Colton Groundwater Basin, which is an important source of drinking water to residents and businesses in the cities of Rialto, Colton, and Fontana. Located east of the city of Los Angeles, the Site consists of three operable units[1] (OUs). The Source Area Operable Unit addresses groundwater contaminated with volatile organic compounds and perchlorate at and near the source area. EPA is evaluating the need for cleanup at the Mid-Basin Operable Unit, which addresses contaminated groundwater downgradient of the Source Area Operable Unit, and the Soils Operable Unit, which addresses contaminated soil at a 160-acre source area. EPA added the Site to the National Priorities List in September 2009.

On September 30, 2010, EPA signed an Interim Record of Decision (ROD) that selected the following remedy for the Source Area Operable Unit groundwater to protect long-term human health and the environment:

- Groundwater extraction wells located downgradient of the 160-acre source area.
- Water treatment systems to reduce the concentrations of trichloroethylene (TCE) and other volatile contaminants from the extracted groundwater below levels allowed by federal and state drinking water standards.
- Water treatment systems to reduce the concentrations of perchlorate from the extracted groundwater below the level allowed by the state drinking water standard.
- Pipelines and pumps to convey the contaminated groundwater from the extraction wells to the treatment plant.
- Pipelines and pumps to convey the treated water from the treatment plant to one or more local water utilities for distribution as municipal water supply (or for aquifer replenishment); and.
- A groundwater monitoring program.

The remedy has been implemented by expanding an existing water treatment system at an adjacent state-led cleanup site. A new groundwater extraction well, new liquid-phase granular activated carbon and ion exchange water treatment systems, and new pipelines were constructed. The expanded system is referred to as the Combined Treatment Plant. Emhart Industries, Inc., a company responsible for conducting the cleanup in accordance with a 2013 Consent Decree, conducted two pilot-scale tests to demonstrate that the new ion exchange systems would adequately treat extracted Site groundwater.

[1] The term "operable unit" (OU) defines a discrete action that is an incremental step toward a comprehensive remedy for a site.

Upon regulatory and local agency approval, treated Site groundwater from the Combined Treatment Plant will be chlorinated and pumped to the city of Rialto municipal water system.

Exposure assumptions, cleanup levels, and remedial action objectives used at the time of remedy selection are still valid. No new human health or ecological routes of exposure or receptors have been identified. In addition, no new contaminants or contamination sources have been identified. No additional ecological risks have been identified. No impacts from natural disasters have affected the protectiveness or activities of the Site. Some Applicable or Relevant and Appropriate Regulations (ARARs) have changed since finalization of the 2010 Interim ROD. However, none of these changes call into question the protectiveness of the remedy.

Based on review of project-related documents and data, as well as the site inspection, the remedy is expected to function as intended by the Interim ROD. It is expected that the remedy will achieve the remedial action objectives of protecting water supply wells and groundwater resources by limiting the spread of contaminated groundwater from the 160-acre area and by removing contaminants from groundwater.

The remedy at the Rockets, Fireworks and Flares Superfund Site is expected to be protective of human health and the environment upon completion. In the interim, the remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.

Contents

Executive Summary ..... **i**
List of Figures ..... **iv**
List of Tables ..... **iv**
List of Abbreviations ..... **v**
1. Introduction **1**
1.1. Background 3
1.2. Physical Characteristics 3
1.3. Hydrology 4
2. Remedial Actions Summary **7**
2.1. Basis for Taking Action 7
2.2. Remedy Selection 7
2.3. Remedy Implementation 10
2.4. Operation and Maintenance 11
3. Progress during this Five-Year Review Period **12**
3.1. Work Completed at the Site During this Five-Year Review Period 12
3.2. Community Notification, Involvement and Site Interviews 12
3.3. Data Review 12
3.3.1. Groundwater Elevations 13
3.3.2. Groundwater Concentrations 13
3.4. Site Inspection and Interviews 15
4. Technical Assessment **16**
4.1. Question A: Is the remedy functioning as intended by the decision documents? 16
4.2. Question B: Are the exposure assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives Used at the Time of Remedy Selection Still Valid? 16
4.3. Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Remedy? 16
5. Issues/Recommendations **16**
5.1. Other Findings 16
6. Protectiveness Statement **17**
7. Next Review **17**
Appendix A: List of Documents Reviewed **18**
Appendix B: Site Chronology **19**

Appendix C: Data Review 20
Appendix D: Applicable or Relevant and Appropriate Requirements Assessment 41
Appendix E: Public Notice 45
Appendix F: San Bernardino County Response Letter 47
Appendix G: Site Inspection Report and Photos 51

List of Figures

Figure 1. Map for the Rockets, Fireworks, and Flares Superfund Site 4
Figure 2. Rialto-Colton Groundwater Basin Aquifers 6
Figure 3. Footprint of Intermediate and Regional Aquifer Target Areas 9
Figure 4. Well PW-2 Groundwater Elevation vs Concentration Graph 13

List of Tables

Table 1. Five-Year Review Summary Form 2
Table 2. Treatment Cleanup Goals for Chemicals of Concern (in Extracted and Treated Groundwater) 10
Table 3. Summary of Mann-Kendall Analysis for Perchlorate 14
Table 4. Summary of Mann-Kendall Analysis for TCE 15
Table 5. Protectiveness Statement 17

List of Abbreviations

ARARs	Applicable or Relevant and Appropriate Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	Environmental Protection Agency
EW	Extraction Well
gpm	gallons per minute
ROD	Record of Decision
NCP	National Contingency Plan
ng/L	nanograms per liter
NPL	National Priorities List
TCE	trichloroethylene
PFAS	polyfluoroalkyl substances

1. Introduction

The purpose of a Five-Year Review is to evaluate the implementation and performance of a remedy to determine if the remedy will continue to be protective of human health and the environment. The methods, findings, and conclusions of a review are documented in Five-Year Review reports. In addition, Five-Year Review reports identify issues found during the review, if any, and document recommendations to address them.

The U.S. Environmental Protection Agency (EPA) is preparing this Five-Year Review pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act Section 121(c), 40 Code of Federal Regulation (CFR) Section 300.430(f)(4)(ii) of the National Contingency Plan and EPA policy.

This is the first Five-Year Review for the Rockets, Fireworks, and Flares Superfund Site (Site). The triggering action for this statutory review is the on-site construction start date for a remedial action on September 18, 2015. The Five-Year Review has been prepared due to the fact that hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure.

This Five-Year Review focuses on the Source Area Operable Unit, which addresses groundwater near the sources of contamination. The two operable units that are not addressed in this Five-Year Review are the Mid-Basin Operable Unit, which addresses contaminated groundwater downgradient of the Source Area Operable Unit, and the Soils Operable Unit, which addresses contaminated soil in an area known as the 160-acre area where Site contaminants are believed to have been released to the environment. EPA signed the Record of Decision (ROD) for the Source Area Operable Unit on September 30, 2010. RODs have not been finalized for Mid-Basin Operable Unit or Soils Operable Unit and therefore review of these operable units are not included in this Five-Year Review.

The Rockets, Fireworks, and Flares Superfund Site Five-Year Review was led by Wayne Praskins (EPA, Remedial Project Manager). Participants included U.S. Army Corps of Engineers staff Leanna Woods Pan (environmental engineer) and Benino McKenna (hydrogeologist). The review began on October 30, 2018.

Table 1. Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: Rockets, Fireworks, and Flares Superfund Site		
EPA ID: CAN000905945		
Region: 9	**State:** CA	**City/County:** San Bernardino County
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	**Has the site achieved construction completion?** No	
REVIEW STATUS		
Lead agency: EPA		
Author name (Federal or State Project Manager): Wayne Praskins		
Author affiliation: EPA		
Review period: 10/30/2018 - 9/18/2020		
Date of site inspection: 1/14/2020		
Type of review: Statutory		
Review number: 1		
Triggering action date: 9/18/2015		
Due date *(five years after triggering action date)*: 9/18/2020		

1.1. Background

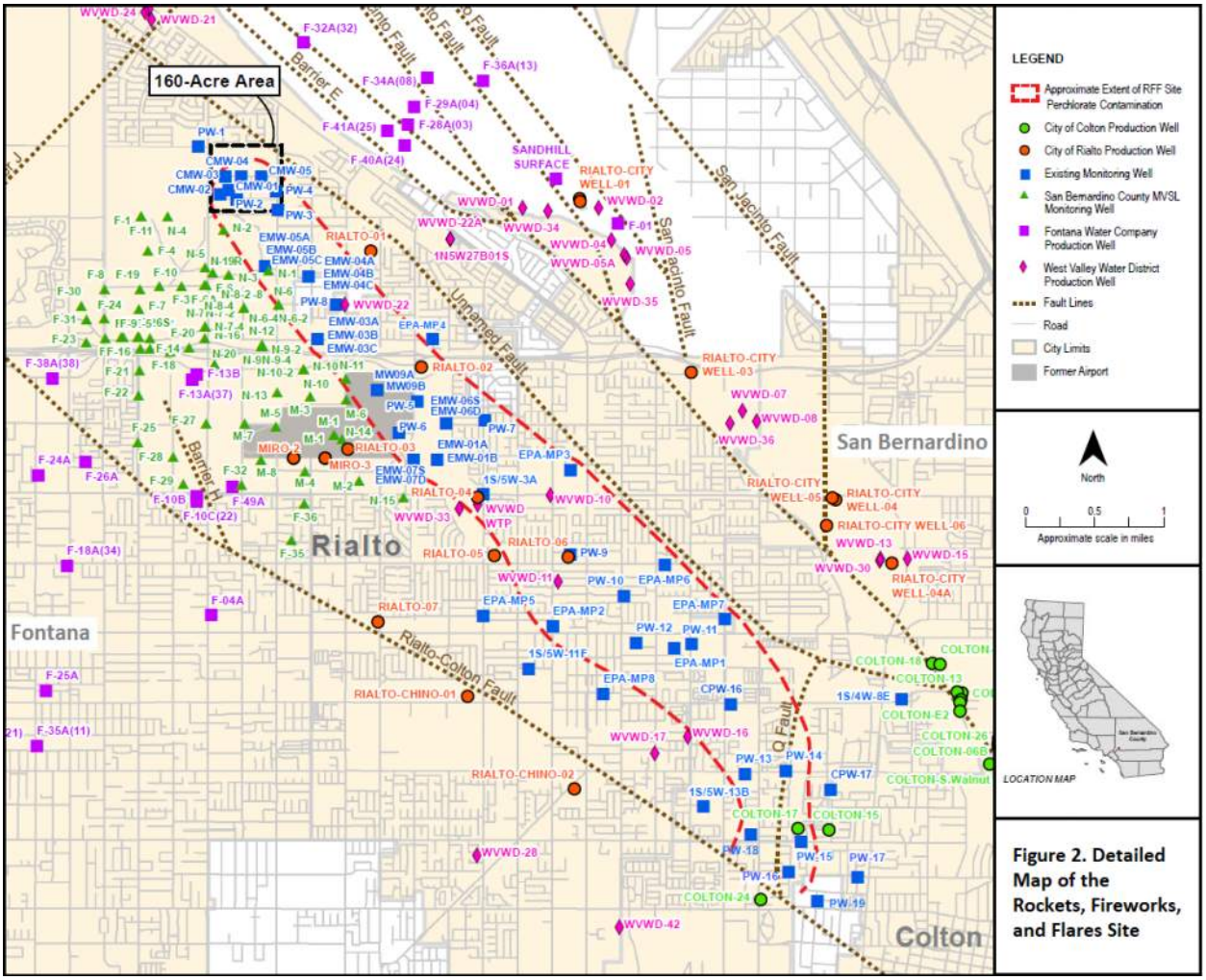
The Rockets, Fireworks and Flares Superfund Site (Site), located east of the city of Los Angeles, includes soil and groundwater contaminated with perchlorate, trichloroethylene (TCE), and other volatile organic compounds in a largely suburban area in San Bernardino County, California. The Source Area Operable Unit of the Site includes groundwater at a 160-acre source area where contaminants entered the groundwater and testing has identified the highest levels of groundwater contamination. The Source Area Operable Unit also includes contaminated groundwater that has spread as far as approximately 2.5 miles downgradient from the 160-acre area (Figure 1).

In 1942, the U.S. Army acquired and developed land that includes the 160-acre area. The property was sold in 1946 and portions of the 160-acre area have been owned or used by a variety of defense contractors, fireworks manufacturers, and others who used perchlorate salts and other chemicals in their manufacturing processes or in their products. Contaminant release mechanisms are believed to have included onsite disposal in one or more unlined pits, leakage or overflow from an onsite impoundment, airborne dispersion of material handled during manufacturing, disposal of contaminated rinse water onto unpaved areas, and one or more explosions. Releases are likely to have begun in the 1950s, and possibly earlier.

Most of the Site is located in the Rialto-Colton Groundwater Basin. Four water utilities are responsible for the majority of the groundwater pumping in the Basin: the City of Rialto, West Valley Water District, the City of Colton, and Fontana Water Company. A 1961 decree entered in San Bernardino County Superior Court restricts pumping of groundwater from the Rialto-Colton Groundwater Basin to parties to the decree.

1.2. Physical Characteristics

The 160-acre source area is square-shaped and bounded by West Casa Grande Drive on the north, Locust Avenue on the east, Alder Avenue on the west, and an extension of Summit Avenue on the south. Various buildings and structures are located throughout the 160-acre area and several roadways run through it, including West Lowell Street and several unimproved roads. Portions of the site are used for commercial or industrial purposes, and other areas are vacant or open space. The County of San Bernardino's Mid-Valley Sanitary Landfill is located immediately southwest of the 160-acre area. Some adjacent properties are developed with industrial facilities or residences.



Modified from Figure produced by Jacobs Engineering in July 2019

Figure 1. Map for the Rockets, Fireworks, and Flares Superfund Site

1.3. Hydrology

The 40-square-mile Rialto-Colton Groundwater Basin is located in western San Bernardino County, California, east of the City and County of Los Angeles. The Rialto-Colton Groundwater Basin is bounded on the northwest by the San Gabriel Mountains and southeast by the Badlands, a series of hills located at the margin of the basin. The basin is approximately 10 miles long, from 1.5 to 3.5 miles wide, and it is bounded by geologic faults on its western, northern, and eastern sides. The San Jacinto Fault forms the northeastern boundary, and the Rialto-Colton Fault forms the southwestern boundary. The Santa Ana River cuts across the southeastern part of the basin, and Warm and Lytle Creeks join the Santa Ana River near the eastern edge of the basin. Except in the southeastern part of the basin, the San Jacinto and Rialto-Colton faults appear to restrict groundwater flow into and out of the basin (USGS, 1997).

The Rialto-Colton Groundwater Basin is filled with unconsolidated alluvial material consisting of sand, gravel, and boulders interbedded with lenticular deposits of silt and clay. Alluvial sediments in much of the basin are about 500 to 1,000 feet deep. The unconsolidated alluvium is underlain by partly consolidated continental deposits formed as lenticular bodies consisting of somewhat compacted gravel, sand, silt, and clay. The basement complex consists of metamorphic and igneous rocks. The unconsolidated alluvial material contains groundwater in multiple water-bearing layers. At the Site's 160-acre area, the depth to groundwater in the first layer, known as the Intermediate Aquifer, is currently about 400 to 450 feet below ground surface. The Intermediate Aquifer is unconfined, about 50 to 100 feet thick, and is underlain by a laterally extensive aquitard. The Intermediate Aquifer is comprised of multiple thin water-bearing units separated by thin aquitards and dry intervals. The deeper water-bearing layer, known as the Regional Aquifer, is generally unconfined to partly confined, and is about 300 to 500 feet thick. Both the Intermediate and Regional Aquifers are comprised of unconsolidated alluvial material consisting of sand, gravel and boulders. Potentiometric heads are as much as 150 feet higher in the Intermediate Aquifer than in the underlying Regional Aquifer, resulting in a strong downward hydraulic gradient between the two aquifers. About one to one and half miles to the southeast of the Site's 160-acre area, the Intermediate Aquifer merges with the Regional Aquifer (Figure 2).

Groundwater flow in the Rialto-Colton Groundwater Basin is strongly influenced by the presence of several geologic faults that restrict groundwater flow. Groundwater in the Intermediate Aquifer generally flows to the southeast, parallel to two major faults, up to several feet per day. Groundwater in the Regional Aquifer generally flows to the southeast at an average rate of about one foot per day. Groundwater elevations and flow rates in the Rialto-Colton Groundwater Basin vary both seasonally and year to year. The primary cause of this variability is year to year change in precipitation and associated recharge. Seasonal and year-to-year variability in groundwater pumping also affects water levels.

Historical water level measurements from water supply wells screened in the Regional Aquifer indicate that water levels varied by more than 100 feet from 1962-2009 due to periodic drought and increased groundwater production.

The groundwater at or near the Site is a vital resource for residents of the cities of Rialto and Colton. Most of the Site lies within the Rialto-Colton Groundwater Basin, which has in recent years supplied drinking water to tens of thousands of area residents. The contamination has forced the closure of many drinking water supply wells in the basin.

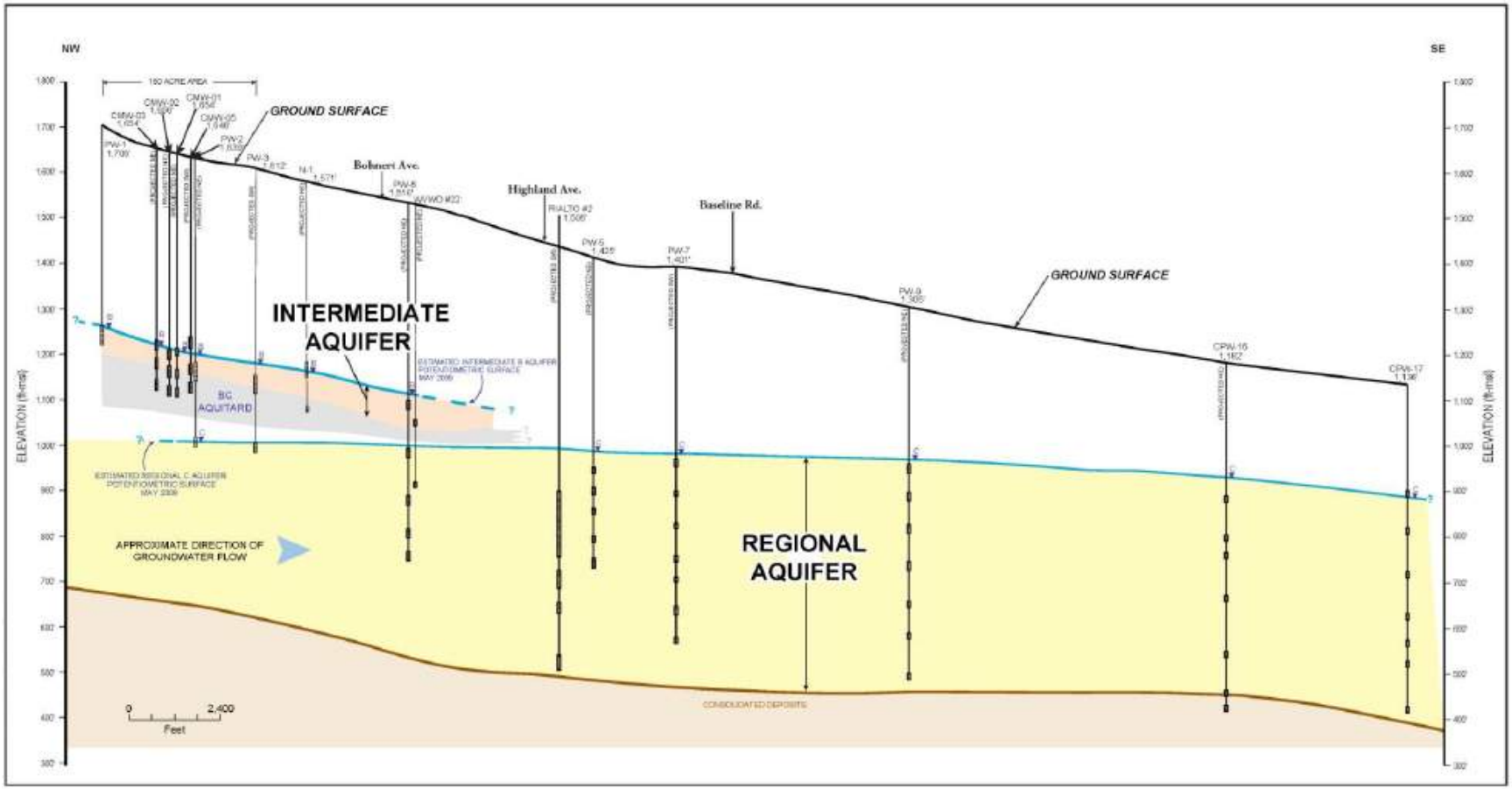


Figure 2. Rialto-Colton Groundwater Basin Aquifers

2. Remedial Actions Summary

2.1. Basis for Taking Action

The contaminants of concern in groundwater at the Site include perchlorate, TCE, carbon tetrachloride, chloroform, and methylene chloride. Perchlorate salts are inorganic chemicals used as oxidizers in rocket propellant, flares, fireworks, and other products. TCE and carbon tetrachloride are cleaning solvents used extensively in the 1950s and 1960s. Employees of businesses that operated in the Site's 160-acre area in the 1950s and 1960s have testified that perchlorate, TCE, and other solvents were handled or used at the Site. Perchlorate and TCE are the most frequently detected contaminants in groundwater at the Site and the primary contaminants of concern . Perchlorate, TCE, and carbon tetrachloride can persist in groundwater for decades.

EPA is taking action because the groundwater at the Site is a current source of drinking water to tens of thousands of residents and businesses, the levels of contamination in groundwater exceed federal or state drinking water standards, and contaminated groundwater continues to spread into uncontaminated and less contaminated portions of the groundwater aquifer.

EPA identified exposure pathways in the 2010 Remedial Investigation and Feasibility Study Report based on the Conceptual Site Model for the Site. Receptors that could potentially be exposed to the contaminated groundwater include current and future residents that receive drinking water from groundwater wells near the Site. Exposure could occur through inhalation (TCE, carbon tetrachloride, chloroform, and methylene chloride only) or ingestion (TCE, carbon tetrachloride, chloroform, methylene chloride and perchlorate) of the contaminants present in the groundwater. Inhalation of contaminants can occur during showering and other activities that enhance the movement of volatile chemicals from water to air. Exposure through dermal contact is not expected to be a significant pathway for these constituents. There is currently no known exposure pathway in which ecological receptors could be exposed to contaminated groundwater.

2.2. Remedy Selection

EPA issued the Interim ROD for the Source Area Operable Unit in September 2010.

The selected remedy is the first of at least two planned remedies to address contaminated groundwater at the Site. This interim action is necessary to stabilize the Site, prevent further environmental degradation, and achieve significant risk reduction while a final remedial solution is being developed.

The Interim ROD identified the following Remedial Action Objectives for the Source Area Operable Unit:

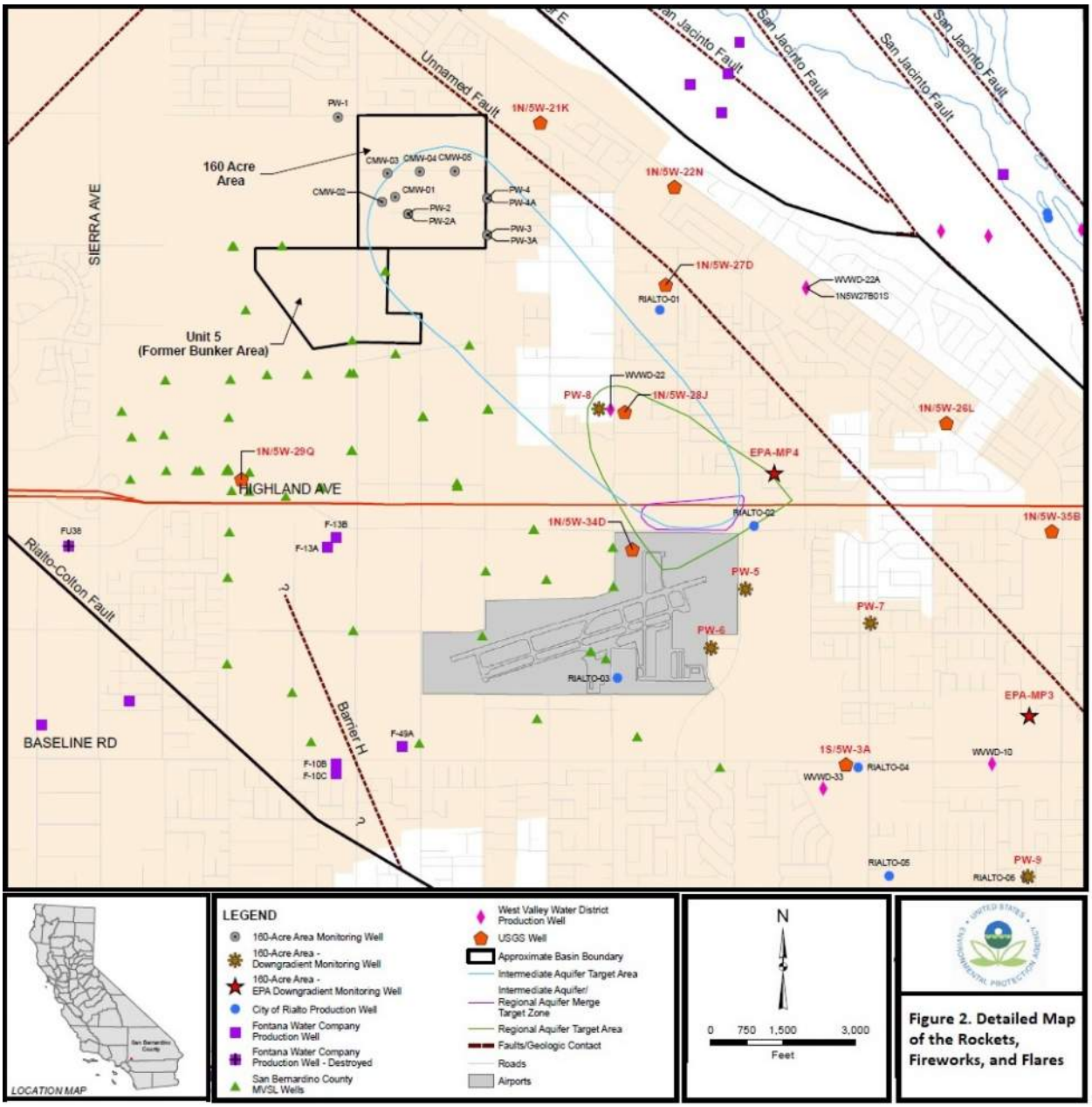
- Protect water supply wells and groundwater resources by limiting the spread of contaminated groundwater from the 160-acre area.
- Remove the contaminants from the groundwater.

EPA's selected remedy for the Source Area Operable Unit is a groundwater pump and treat system and included the following components:

- Groundwater extraction wells located no more than 1,500 feet downgradient of the Intermediate and Regional Aquifer Target Area (defined below).
- Water treatment systems to reduce the concentrations of TCE and other volatile contaminants from the extracted groundwater below levels allowed by federal and state drinking water standards.
- Water treatment systems to reduce the concentrations of perchlorate from the extracted groundwater below the level allowed by the state drinking water standard.
- Pipelines and pumps to convey the contaminated groundwater from the extraction wells to the treatment plant.
- Pipelines and pumps to convey the treated water from the treatment plant to one or more local water utilities for distribution as municipal water supply or to reinjection wells for groundwater recharge.
- A groundwater monitoring program.

The remedy is intended to intercept and provide hydraulic control of contaminated groundwater moving from the 160-acre source area in targeted areas of contamination (defined below). The targeted areas include locations where contaminants entered the groundwater and downgradient areas where high levels of groundwater contamination have been measured. The targeted area of groundwater contamination encompasses portions of the Intermediate and Regional Aquifers as described below:

- The *Intermediate Aquifer Target Area* is the portion of the aquifer within the footprint of and downgradient of the 160-acre area where contaminant concentrations in groundwater exceed chemical-specific ARARs. The upgradient boundary of the Target Area is near groundwater monitoring well CMW-3, the northernmost groundwater monitoring well on the 160-acre area where the concentrations of contaminants consistently exceeded chemical-specific ARARs. The downgradient boundary of the Target Area is where the Intermediate Aquifer is no longer present as a distinct aquifer. The downgradient boundary is in the vicinity of the 210 Freeway, approximately one and one-half miles to the southeast of the 160-acre area (Figure 3).
- The *Regional Aquifer Target Area* is the portion of the Regional Aquifer underlying the Intermediate Aquifer Target Area where the concentrations of the contaminants of concern in groundwater exceed chemical-specific ARARs. The upgradient boundary of the Regional Aquifer Target Area is at or upgradient of well WVWD-22 (Figure 3).



Modified Figure 3-2 from CH2MHILL, 2010. Remedial Investigation/Feasibility Study Report B.F. Goodrich Superfund Site Rialto, California. January 25, 2010.

Figure 3. Footprint of Intermediate and Regional Aquifer Target Areas

Compliance with EPA objectives will be evaluated based on the achievement of hydraulic control in the targeted areas of contamination and the decrease of contaminant concentrations in groundwater over time at downgradient compliance wells. The groundwater at the Site is an important source of drinking water. Limiting the spread of contaminated groundwater should reduce contaminant mass loading to downgradient areas, reducing human health risk by reducing the likelihood and magnitude of exposure.

EPA did not set numeric cleanup goals for the groundwater in the aquifer during implementation of the interim action. EPA will determine cleanup goals for the aquifer in a future action. In 2010, EPA did

select cleanup goals for each contaminant of concern in the extracted and treated groundwater in the Interim ROD (Table 2).

There are no planned or implemented institutional controls identified in the ROD for this Site.

Table 2. Treatment Cleanup Goals for Chemicals of Concern (in Extracted and Treated Groundwater)

COC	Reporting Units	Federal MCL (µg/L)	California MCL (µg/L)	Cleanup Level	Basis for Cleanup Level
Carbon Tetrachloride	µg/L	5	0.5	0.5	California MCL
Chloroform (Trichloromethane)	µg/L	80[1]	80[1]	80[1]	Federal MCL
Methylene Chloride (Dichloromethane)	µg/L	5	5	5	Federal MCL
Perchlorate	µg/L	none	6	6	California MCL
Trichloroethene (TCE)	µg/L	5	5	5	Federal MCL

Notes:
[1]The values listed for chloroform are for the combined concentration of four trihalomethanes: chloroform, dibromochloromethane, bromodichloromethane, and bromoform.

2.3. Remedy Implementation

In March 2014, EPA approved the final design for the treatment plant, which has been designed to work in conjunction with an existing treatment plant at an adjacent state-led cleanup site. The Regional Water Quality Control Board provides regulatory oversight of the adjacent cleanup site, which has similar contaminants and a similar remedy (pump and treat). As part of the remedy for the adjacent state-led site, known as the County Remedy, three extraction wells (Rialto-3, Miro-2, and Miro-3) can deliver up to 2,200 gallons extracted groundwater per minute (gpm) to the County Remedy Treatment Plant. The County Remedy Treatment Plant is located at North Linden Ave and Miro Way, adjacent to the Rialto-3 well.

The County Remedy Treatment Plant was expanded to include capacity for treatment of Site groundwater and will henceforth be referred to as the Combined Treatment Plant. The addition of one extraction well (EW-1) has increased pumping capacity to the Combined Treatment Plant by 2,040 gpm to approximately 4,200 gpm. EW-1, along with one or more of the County Remedy extraction wells, are expected to provide hydraulic control of the Target Area of the Site. Three additional fixed ion exchange resin vessels for perchlorate removal and four additional fixed bed liquid-phase granular activated carbon adsorber vessels for volatile organic contaminants removal have been constructed to treat the extracted groundwater at the Combined Treatment Plant. The ion exchange vessels will operate on a lead/mid/lag configuration. Resin change out criteria will assure effective operation without perchlorate breakthrough from the lag vessel and maximize the run time of the system.

A pilot test was conducted until late 2019. The California State Water Resources Control Board's Division of Drinking Water required demonstration of the effectiveness of the ion exchange resin and

lead/mid/lag series design in the Combined Treatment Plant prior to the amendment of the city of Rialto's domestic water supply permit, which is necessary for operation of the remedy.

A first pilot test was initiated by Emhart Industries, Inc. at the Site in early January 2017, delivering Site groundwater extracted from EW-1 at about 1 gpm to a separate, trailer-sized pilot test setup consisting of several columns filled with perchlorate-specific ion exchange resins. The initial pilot test did not perform as expected, with a brownish discoloration visible in the three ion exchange resins and perchlorate "breakthrough" occurring earlier than modeling predictions. Therefore, the initial pilot test was ended in March 2017 and the State Water Resources Control Board Division of Drinking Water advised that it could not permit the operation of the Combined Treatment Plant based on the initial pilot test alone.

An expert committee was assembled to conduct a forensic analysis of the initial pilot test to determine the cause of the observed anomalies and to recommend changes in the design of the pilot test to more closely approximate conditions during full-scale operation. The expert committee determined that the configuration of the initial pilot test, specifically exposing extracted water to atmospheric conditions in holding tanks for extended periods, led to an increase in pH and temperature of the water prior to entering the pilot test equipment. This resulted in significant calcite scaling within the ion exchange resin columns, inhibiting mass transfer, reducing the effective treatment capacity of the resin, and shortening the throughput capacity and breakthrough time.

The expert committee recommended several changes in pilot test configuration to eliminate the conditions that led to calcite scaling during the initial pilot test with the expectation that this would resolve the resin performance issues. The second pilot test was configured to more closely mimic full-scale operating conditions. Design changes made for the second pilot test include:

- Limiting residence time between extraction and treatment of the groundwater by locating the pilot test equipment at EW-1 and continuously pumping water from EW-1 through the pilot system (without storage in holding tanks).
- Constructing ion exchange columns with bed depths equivalent to the full-scale system.
- Operating the pilot system at the same flow rate per cubic foot resin as the full-scale system.

A second pilot test began in January 2018. Perchlorate breakthrough during the second pilot test followed model predictions, establishing that the resins tested in a lead/mid/lag ion exchange vessel configuration would adequately treat extracted site groundwater and provide enough time to implement resin change-outs without impacting performance. The second pilot test was concluded in December 2019. Following regulatory and local agency approval, continuous operation of the remedy is expected to begin in late 2020, with treated groundwater from the Combined Treatment Plant chlorinated and pumped to the city of Rialto municipal water system.

2.4. Operation and Maintenance

Continuous operation of the remedy is not expected to begin until late 2020. Therefore, no operation and maintenance has occurred during this review period.

3. Progress during this Five-Year Review Period

3.1. Work Completed at the Site During this Five-Year Review Period

Construction of the remedy, including expansion of the County Remedy Treatment Plant, was completed during this five-year review period, as detailed in Section 2.3. Components of the treatment plant expansion were documented during the Site Inspection (Appendix G).

Pilot testing of the ion exchange process to be employed in the expanded treatment system was also completed as described in Section 2.3.

3.2. Community Notification, Involvement and Site Interviews

A public notice was made available by newspaper posting in the *Rialto Record* on March 19, 2020 stating that there was a five-year review and inviting the public to submit any comments to the U.S. EPA. The results of the review and the report will be made available on the EPA site webpage at: http://epa.gov/superfund/rff.

During the Five-Year Review process, interviews were conducted to document any perceived problems or successes with the remedy. All comments and interviews pertaining to this Five-Year Review were completed with the understanding that at the time of this writing the remedy has not begun operation. A consultant for the County of San Bernardino participated in the Site Interviews. The consultant expressed concern over a potential lack of plume capture by the remedy as constructed and cited the need for an additional extraction well.

In addition, the County of Bernardino, Department of Public Works sent a letter to the USACE to elaborate their concerns with the potential effectiveness of the Source Area Operable Unit remedy and the impact of the Source Area Operable Unit remedy on the County remedy. The letter makes several recommendations: 1) reevaluate the boundaries of the area targeted for remediation in the ROD; 2) describe plans to monitor compliance with the ROD after the remedy begins operation; 3) and reevaluate the groundwater extraction plan for the Source Area Operable Unit remedy. The letter from the County is included in Appendix F.

3.3. Data Review

At the time of this report, the selected remedy from the 2010 Interim ROD has largely been constructed but is not yet operational. In the absence of remedy performance data, an evaluation of annual groundwater sampling data has been conducted to assess Site contaminants concentrations at and in the vicinity of the Source Area Operable Unit.

The contaminant data review is limited to carbon tetrachloride, perchlorate and TCE, because according to the Interim ROD, they are the only contaminants of concern for the Source Area Operable Unit that currently or historically exceeded the cleanup standards.

3.3.1. Groundwater Elevations

Groundwater levels in this region are influenced by annual precipitation and municipal pumping. In selected wells, contaminant concentrations have shown a correlation with groundwater levels. Figure 4 shows the relationship between perchlorate concentrations in groundwater, TCE concentrations in groundwater, and water levels in a groundwater monitoring well screened in the Intermediate Aquifer in the source area. Groundwater levels have generally been decreasing in both the Intermediate and Regional Aquifers in recent years (AECOM, 2019). The state of California has experienced extended drought conditions during the period of review for the Five-Year Review and for much of the past decade. Despite decreasing groundwater levels, the overall gradients of the Intermediate and Regional Aquifers have generally continued to trend to the southeast.

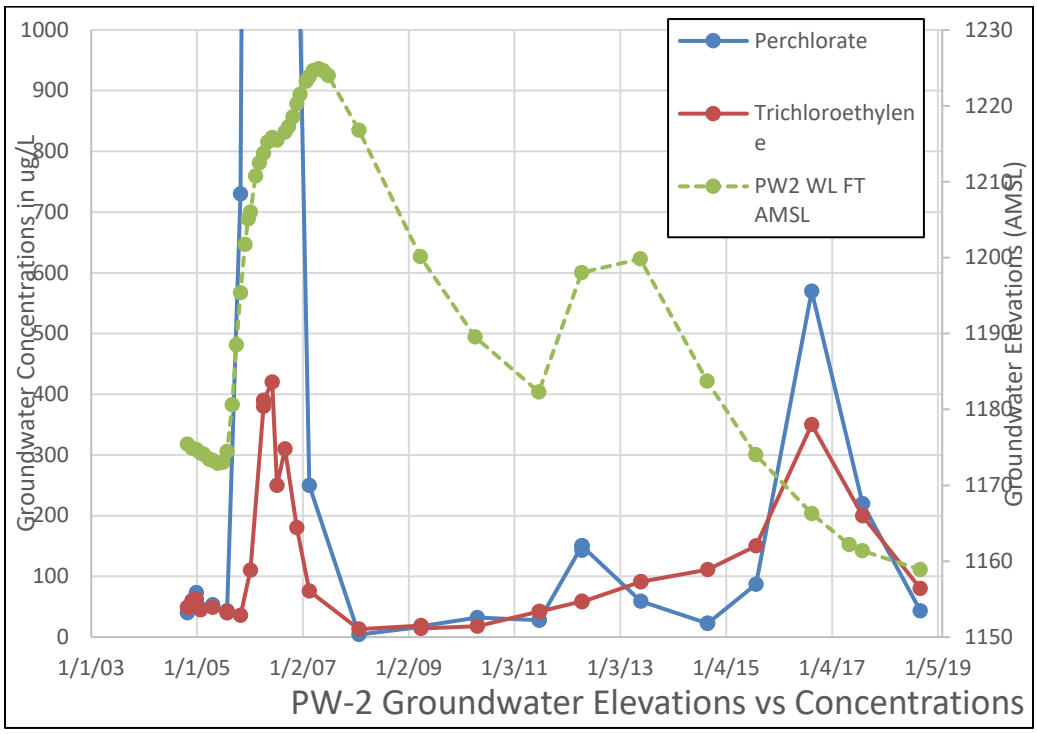


Figure 4. Well PW-2 Groundwater Elevation vs Concentration Graph

3.3.2. Groundwater Concentrations

To evaluate whether concentrations in groundwater have changed over time, U.S. Army Corps of Engineers applied a statistical test (Mann-Kendall) to data from 20 wells for the period 2008 to 2019. (Earlier data are also available for a limited number of wells.) Three contaminants of concern were evaluated: carbon tetrachloride, perchlorate and TCE. Data were taken from the annual groundwater reports prepared by Emhart Industries (AECOM, 2019) for wells and contaminants that met the minimum statistical requirements. Recently installed extraction well EW-1 had insufficient data to complete a Mann-Kendall analysis.

The trend analyses are intended to provide a baseline for future groundwater evaluations.

3.3.2.1 Intermediate Aquifer

Five groundwater monitoring wells screened in the Intermediate Aquifer were evaluated. Perchlorate concentrations showed decreasing or probably decreasing trends in three of the five wells. One well, PW-2, showed an increasing trend from about 2008 to 2016. No trend was observed in the fifth well. A clear pattern was not apparent in TCE concentrations. TCE concentrations in wells PW2 and EMW-05A increased or probably increased but the other three wells showed stable or decreasing trends.

3.3.2.2 Regional Aquifer

Fifteen groundwater monitoring wells screened in the Regional Aquifer were evaluated. The perchlorate concentrations showed stable or decreasing trends in the majority of the wells. Three wells, PW-6B, 6C, and 6D, showed increasing or probably increasing trends. In contrast, a majority of the wells screened in the Regional Aquifer showed stable or increasing trends in TCE concentrations from 2008 to 2019. Two of the 15 wells showed decreasing TCE concentrations over the same period.

Carbon tetrachloride was not detected in any of the 20 wells, with the exception of EMW-04A which showed a probable decreasing trend.

Table 3. Summary of Mann-Kendall Analysis for Perchlorate

Well	Samples (n)[1]	Number of detects	Mann-Kendall Statistic (S)[2]	Confidence in Trend [3]	Coeffiecient of Variation (COV)[4]	Concentration Trend	Maximum concentration (µg/L)	Comments
Intermediate Aquifer Wells								
PW-2	12	12	32	98.4%	1.45	Increasing	570	**Max Concentration in 2016**
PW-8A	12	11	-25	97.0%	0.56	Decreasing	180	**Max Concentration in 2010**
EMW-03A	9	9	11	88.7%	0.33	No Trend	40	**Max Concentration in 2017**
EMW-04A	9	9	-14	94.6%	0.52	Prob Decreasing	160	**Max Concentration in 2016**
EMW-05A	7	7	-11	97.2%	0.73	Decreasing	130	**Max Concentration in 2015**
Regional Aquifer Wells								
EMW-01A	9	8	2	54.8%	0.75	No Trend	38	**Max Concentration in 2014**
EMW-01B	9	9	0	45.2%	0.82	Stable	380	**Max Concentration in 2016**
EMW-04B	9	9	8	80.1%	0.65	No Trend	74.6	**Max Concentration in 2014**
EMW-06D	4	4	-4	83.3%	0.82	Stable	62	**Max Concentration in 2016**
EMW-07D	4	4	4	83.0%	0.47	No Trend	72	**Max Concentration in 2019**
EMW-07S	4	4	0	37.5%	0.16	Stable	68	**Max Concentration in 2018**
EPA-MW9A	7	7	-3	64.0%	0.57	Stable	199	**Max Concentration in 2013**
EW-1	Insufficient Number of Data Points							
PW-5A	12	12	-30	99.0%	0.6	Decreasing	169	**Max Concentration in 2013**
PW-5B	12	12	-29	97.4%	0.43	Decreasing	192	**Max Concentration in 2013**
PW-5C	12	12	-27	96.3%	1.23	Decreasing	1000	**Max Concentration in 2008**
PW-5D	12	11	-49	99.9%	0.5	Decreasing	1600	**Max Concentration in 2010**
PW-5E	12	10	11	81.0%	0.50	No Trend	560	**Max Concentration in 2012**
PW-6B	12	12	42	99.8%	0.76	Increasing	140	**Max Concentration in 2015**
PW-6C	12	12	43	99.9%	0.89	Increasing	160	**Max Conc. In 2016/2017**
PW-6D	12	9	15	92.5%	0.06	Prob Increasing	430	**Max Concentration in 2015**

Notes:

[1] Number of samples used during the Mann-Kendall Statistic analysis.

[2] The Mann-Kendall Statistic (s) measures the trend of the data. Positive values indicate an increase of concentrations over time, whereas negative values indicate a decrease in concentrations over time.

[3] The Confidence in Trend is the statistical confidence that the constituent concentration is increasing (S-0).

[4] The coefficient of variation (COV) is a statistical measure of how the individual data points vary about the mean value. The coefficient of variation, defined as the standard deviation divided by the average. Valuies near 1 indicate that the data form a relatively close group about the mean value. Values other larger or smaller than 1.0 indicate that the data show a greater degree of scatter about the mean.

Table 4. Summary of Mann-Kendall Analysis for TCE

Well	Samples (n)[1]	Number of detects	Mann-Kendall Statistic (S)[2]	Confidence in Trend [3]	Coeffiecient of Variation (COV)[4]	Concentration Trend	Maximum concentration (µg/L)	Comments
Intermediate Aquifer Wells								
PW-2	12	12	44	99.9%	0.95	Increasing	350	**Max Concentration in 2016**
PW-8A	12	12	-43	99.9%	0.68	Decreasing	70	**Max Concentration in 2011**
EMW-03A	9	7	12	87.0%	0.59	No Trend	1.5	**Max Concentration in 2018**
EMW-04A	9	9	-2	54.0%	0.2	Stable	25	**Max Concentration in 2019**
EMW-05A	7	7	11	93.2%	1.2	Prob Increasing	20	**Max Concentration in 2017**
Regional Aquifer Wells								
EMW-01A	9	6	-21	98.3%	0.43	Decreasing	2.6	**Max Concentration in 2014**
EMW-01B	9	8	14	91.0%	0.68	Prob Increasing	9.1	**Max Concentration in 2018**
EMW-04B	9	9	24	99.4%	0.77	Increasing	30	**Max Concentration in 2019**
EMW-06D	4	4	-4	83.3%	1	Stable	11	**Max Concentration in 2016**
EMW-07D	4	4	6	95.8%	0.82	Increasing	6.2	**Max Concentration in 2019**
EMW-07S	4	4	-3	72.9%	0.38	Stable	4	**Max Concentration in 2017**
EPA-MW9A	7	6	-2	55.7%	0.59	Stable	7.5	**Max Concentration in 2013**
EW-1	Insufficient Number of Data Points							
PW-5A	12	8	-20	97.8%	1.57	Decreasing	23	**Max Concentration in 2008**
PW-5B	13	13	16	87.5%	0.37	No Trend	39	**Max Concentration in 2015**
PW-5C	12	12	26	95.7%	0.4	Increasing	34	**Max Concentration in 2015**
PW-5D	13	13	42	99.5%	0.56	Increasing	35	**Max Concentration in 2015**
PW-5E	12	9	27	99.8%	0.71	Increasing	24	**Max Concentration in 2018**
PW-6B	13	10	41	99.9%	0.71	Increasing	11	**Max Concentration in 2019**
PW-6C	12	10	43	99.9%	1.22	Increasing	35	**Max Concentration in 2019**
PW-6D	13	8	23	99.9%	0.46	Increasing	25	**Max Concentration in 2019**

Notes:

[1] Number of samples used during the Mann-Kendall Statistic analysis.

[2] The Mann-Kendall Statistic (s) measures the trend of the data. Positive values indicate an increase of concentrations over time, whereas negative values indicate a decrease in concentrations over time.

[3] The Confidence in Trend is the statistical confidence that the constituent concentration is increasing (S-0).

[4] The coefficient of variation (COV) is a statistical measure of how the individual data points vary about the mean value. The coefficient of variation, defined as the standard deviation divided by the average. Valuies near 1 indicate that the data form a relatively close group about the mean value. Values other larger or smaller than 1.0 indicate that the data show a greater degree of scatter about the mean.

3.4. Site Inspection and Interviews

The site inspection was conducted by Benino McKenna from the U.S. Army Corps of Engineers Seattle District on January 14, 2020. In attendance were Wayne Praskins, EPA Remedial Project Manager; David Towell, Senior Project Manager Jacobs, Eng.; Kamran Javandel, representing Emhart Industries Inc.; Tom Crowley, Utilities Manager for the City of Rialto; David Terry, Project Manager with Veolia; Andrew Coleman, Field Supervisor with Veolia; Jerry Zimmerle, Project Manager AECOM; Tom Munoz, Construction Manager AECOM; and Diana Chacon, Geologist with Geo-Logic Consultants. The purpose of the inspection was to assess the protectiveness of the remedy.

The participants met at the Combined Treatment Plant located on North Linden Ave in the City of Rialto, then toured the groundwater treatment plant and the EW-1 well location. A summary of the site inspection, trip report, and site photos are included in Appendix G.

The portion of the Combined Treatment Plant constructed as part of County Remedy appeared to be in good condition and functioning as intended. The new equipment installed as part of Source Area Operable Unit also appeared to be in good condition but was not in service at the time of the site visit. The groundwater extraction components of the Source Area Operable Unit observed during the site inspection

that will supply the Combined Treatment Plant also appeared to be in good condition. A more complete evaluation of the remedy will be possible when the system begins operation.

4. Technical Assessment

4.1. Question A: Is the remedy functioning as intended by the decision documents?

The remedy is not yet operating, but it is in the final stages of construction and permitting. Perchlorate breakthrough during the second pilot test followed model predictions, establishing that the ion exchange resin and the vessel configuration would adequately treat extracted site groundwater. Upon permitting by the State, remedy operation is expected to commence in 2020. Based on review of project-related documents and data, as well as the site inspection, the remedy is expected to function as intended by the ROD. It is expected that the remedy will achieve the remedial action objectives of protecting water supply wells and groundwater resources by limiting the spread of contaminated groundwater from the 160-acre area and removing contaminants from groundwater.

4.2. Question B: Are the exposure assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives Used at the Time of Remedy Selection Still Valid?

Yes, the exposure assumptions, cleanup levels, and remedial action objectives used at the time of the remedy selection are still valid. Groundwater pumping is restricted to water utilities, which test and treat extracted groundwater as necessary. No new human health or ecological routes of exposure or receptors have been identified. In addition, no new contaminants or contamination sources have been identified. ARARs were evaluated and there were some changes to ARARs since finalization of the 2010 Interim ROD (Appendix D). However, none of these changes are substantial and therefore do not affect the protectiveness of the remedy.

4.3. Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Remedy?

No additional information has come to light which would affect the protectiveness of the remedy.

5. Issues/Recommendations

No issues were identified in this five-year review.

5.1. Other Findings

The following are recommendations that do not affect current and/or future protectiveness and were identified during the Five-Year Review:

- EPA sampled wells Rialto-03, Rialto-06, and EW-1 in November 2017 and March 2018 for per- and polyfluoroalkyl substances (PFAS). Laboratory results show that one type of PFAS (perflourobutylsulfonate) was detected in one untreated groundwater sample from Rialto-06 at a concentration of 77.6 ng/L, which is below EPA's screening level of 400 ng/L. PFAS was not found in any other site samples at or above the reporting limits. It is recommended that this information be formalized in site documentation.

6. Protectiveness Statement

Table 5. Protectiveness Statement

Protectiveness Statement(s)	
Operable Unit:1	*Protectiveness Determination:* Will be Protective
Protectiveness Statement: The remedy at the Rockets, Fireworks and Flares Superfund Site is expected to be protective of human health and the environment upon completion. In the interim, the remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.	

7. Next Review

The next five-year review report for the Rockets, Fireworks, and Flares Superfund Site is required five years from the completion date of this review.

Appendix A: List of Documents Reviewed

AECOM, 2015. April 2015- Additional Groundwater Sampling Data, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. April 27, 2015.

AECOM, 2016. August 2016 Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. November 2016.

AECOM, 2017a. Second Pilot Test Work Plan, Source Area Operable Unit Interim Remedy, Rockets, Fireworks, and Flares Superfund Site Rialto, California. October 2017.

AECOM, 2017b. Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. November 2017.

AECOM, 2018. Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. November 2018.

AECOM, 2019. Remedial Design Investigation Report, Source Area Operable Unit, Rockets, Fireworks, and Flares Site. October 2019.

CH2MHILL, 2010. Remedial Investigation/Feasibility Study Report, B.F. Goodrich Superfund Site, Rialto, California. January 25, 2010.

Emhart Industries, Inc., 2014. Final Design, Source Area Operable Unit, Rockets, Fireworks, and Flares Superfund Site. June 18, 2014.

USEPA, 2010. Superfund Interim Action Record of Decision: Source Area Operable Unit, B.F. Goodrich Superfund Site, San Bernardino County, CA. September 30, 2010.

Appendix B: Site Chronology

Events	Date
EPA added the Site to the National Priorities List (NPL)	September 23, 2009
Remedial Investigation and Feasibility Study Report	January 25, 2010
Interim Action Record of Decision	September 30, 2010
Consent Decree entered by the U.S. District Court for the Central District of California in City of Colton v. American Promotional Events, Inc. et al., Case No. ED CV 09-01864 PSG (SSx) on 2 July 2013 (Doc. No. 1820).	July 2, 2013
EPA changed the name of the B.F. Goodrich site in Rialto California to Rockets, Fireworks, and Flares (RFF)	December 12, 2013
Final Design Report for expanded treatment system	June 18, 2014
Four Party Implementation Agreement	September 1, 2015
Start of On-Site Construction	September 18, 2015
2016 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	November 2016
Initial Pilot Test performed to demonstrate the effectiveness of the ion exchange (IX) resin and lead/mid/lag series design in the Combined Treatment Plant.	December 2016 to March 2017
Second Pilot Test Work Plan	October 2017
2017 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	November 2017
2018 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	November 2018
Second Pilot Test performed to better simulate full-scale operations.	January 2018 to December 2019
2019 Remedial Design Investigation Report to provide current water level measurements and contaminant concentration data for wells in the Source Area Operable Unit vicinity.	October 2019

Appendix C: Data Review

Mann-Kendall Analysis for Groundwater

The Mann-Kendall test is a non-parametric test for identifying trends in time-series data. The test compares the relative magnitudes of sample data rather than the data values themselves. One benefit of this test is that the data does not need to conform to any one distribution type. Data reported as non-detects can be included by assigning them a common value that is smaller than the lowest detected value in the dataset, although the number of non-detects should not be greater than 50 percent of the sample size (*n*). For the purposes of this evaluation Non-Detectable values are highlighted in red.

Data are evaluated as an ordered time series. Each data value is compared to all subsequent data values. If a data value from a later time is higher than a data value from an earlier time, *S* is incremented by 1. Conversely, if a data value from a later time is lower than a data value from an earlier time, *S* is decremented by 1. The net result of all such increments and decrements yields the final value of *S*. A positive value of *S* is an indicator of a potentially increasing trend. Likewise, a negative value of *S* is an indicator of a potentially decreasing trend. A very high positive *S* is an indicator of a likely significant increasing trend; however, it is necessary to compute the probability associated with *S* and the sample size, *n*, to statistically quantify the significance of the trend.

Kendall describes a normal-approximation test that may be used for datasets with more than 10 values, provided there are not many tied values within the dataset. First, *S* is determined and then the variance (VAR) of *S* is calculated based on the following equation:

$$VAR(S) = [n*(n-1)*(2n+5)]/18$$

A normalized Test Statistic (*Z*) is calculated using the following equations:

$$Z = (S-1)/\sqrt{[VAR(S)]} \quad \text{if } S>0$$

$$Z=0 \quad \text{if } S=0$$

$$Z= (S+1)/\sqrt{[VAR(S)]} \quad \text{if } S<0$$

For a trend to attain at least a 95 percent level of significance, the Test Statistic *Z* must be greater than 1.645 for a positive trend or must be less than -1.645 for a negative trend. If neither of these conditions are met, then the dataset shows no trend at that level of significance.

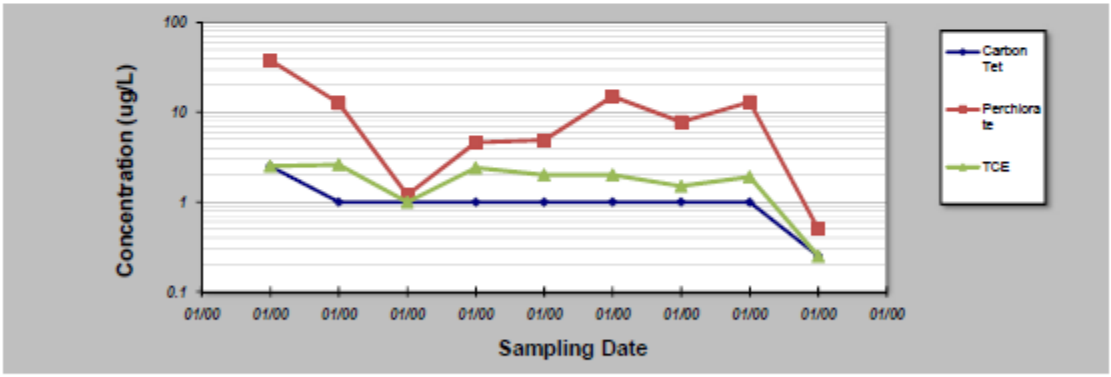
Figure C-1: Mann-Kendall Statistical Analysis for Well EMW-01A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 9-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-01A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	2.5	38	2.5				
2	08/26/2014	1	12.6	2.6				
3	11/05/2014	1	1.2	1				
4	04/01/2015	1	4.6	2.4				
5	07/13/2015	1	4.9	2				
6	8/15/2016	1	15	2				
7	1-Aug-17	1	7.8	1.5				
8	8/14/2018	1	13	1.9				
9	16-Aug-19	0.25	0.5	0.25				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.54	0.75	0.43				
Mann-Kendall Statistic (S):		-15	2	-21				
Confidence Factor:		92.5%	54.8%	98.3%				
Concentration Trend:		Prob. Decreasing	No Trend	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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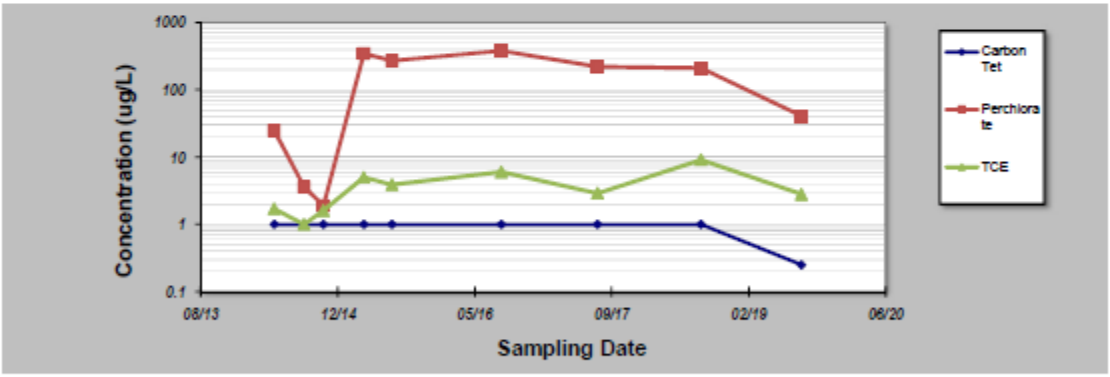
Figure C-2: Mann-Kendall Statistical Analysis for Well EMW-01B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-01B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	25.1	1.7				
2	08/26/2014	1	3.6	1				
3	11/05/2014	1	1.9	1.6				
4	04/01/2015	1	345	5				
5	07/13/2015	1	270	3.9				
6	08/15/2016	1	380	6				
7	8/1/2017	1	220	2.9				
8	14-Aug-18	1	210	9.1				
9	16-Aug-19	0.25	41	2.8				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.27	0.82	0.68				
Mann-Kendall Statistic (S):		-8	0	14				
Confidence Factor:		76.2%	45.2%	91.0%				
Concentration Trend:		Stable	Stable	Prob. Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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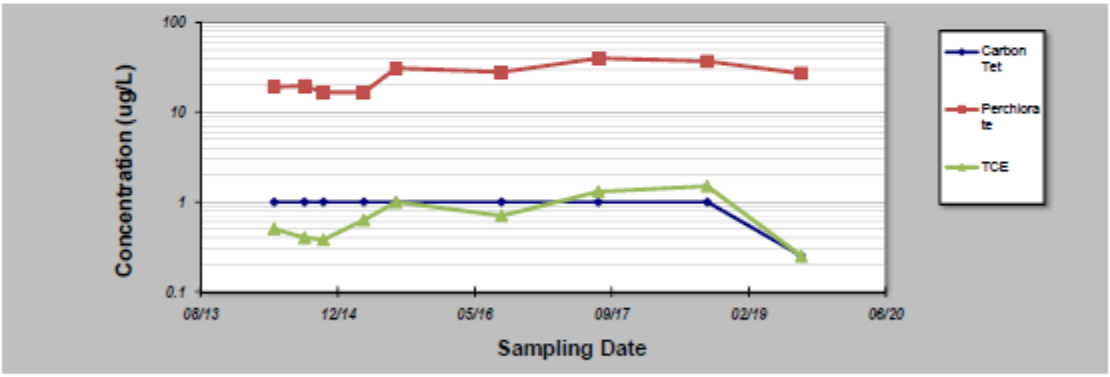
Figure C-3: Mann-Kendall Statistical Analysis for Well EMW-03A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-03A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	19.1	0.5				
2	08/28/2014	1	19.7	0.4				
3	11/05/2014	1	16.7	0.38				
4	04/01/2015	1	16.7	0.63				
5	07/28/2015	1	31	1				
6	8/16/2016	1	28	0.7				
7	4-Aug-17	1	40	1.3				
8	6-Sep-18	1	37	1.5				
9	15-Aug-19	0.25	27	0.25				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.27	0.33	0.59				
Mann-Kendall Statistic (S):		-8	11	12				
Confidence Factor:		76.2%	88.7%	87.0%				
Concentration Trend:		Stable	No Trend	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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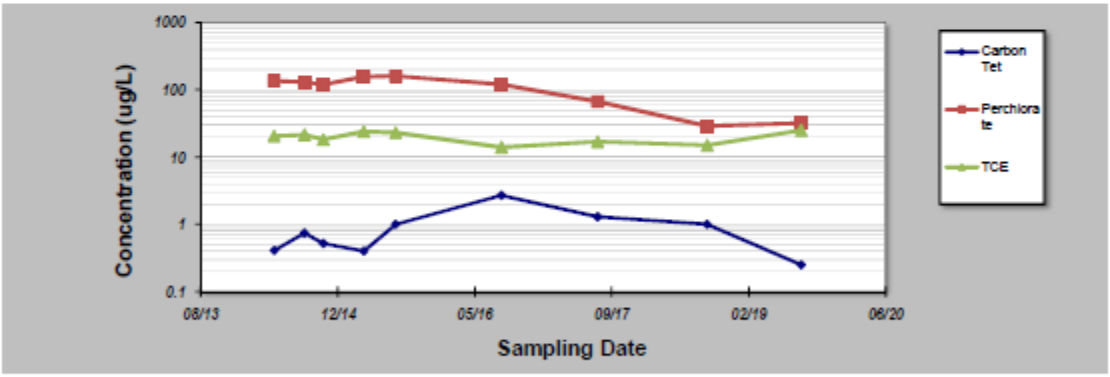
Figure C-4: Mann-Kendall Statistical Analysis for Well EMW-04A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-04A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	0.41	136	20.6				
2	08/28/2014	0.74	130	21.4				
3	11/05/2014	0.52	119	18.3				
4	04/01/2015	0.4	157	24				
5	07/27/2015	1	160	23				
6	16-Aug-16	2.7	120	14				
7	2-Aug-17	1.3	67	17				
8	6-Sep-18	1	29	15				
9	15-Aug-19	0.25	32	25				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.81	0.52	0.20				
Mann-Kendall Statistic (S):		5	-14	-2				
Confidence Factor:		65.7%	94.6%	54.0%				
Concentration Trend:		No Trend	Prob. Decreasing	Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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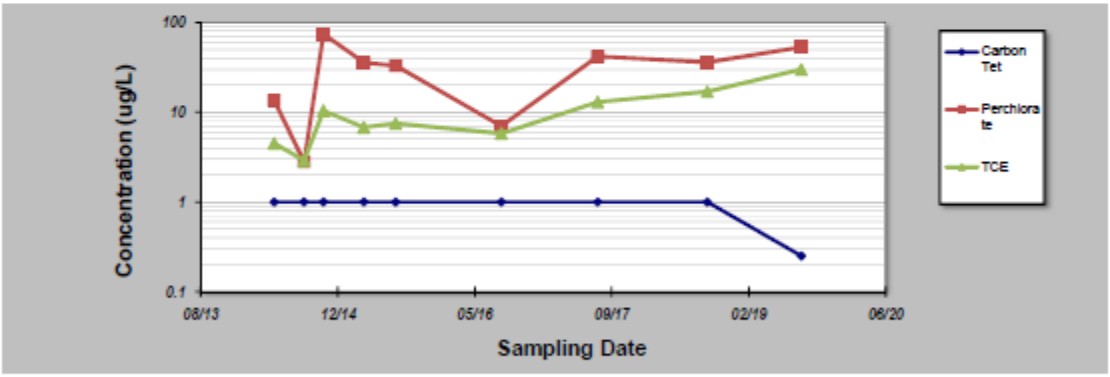
Figure C-5: Mann-Kendall Statistical Analysis for Well EMW-04B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-04B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	13.6	4.5				
2	08/26/2014	1	2.8	2.9				
3	11/05/2014	1	74.6	10.4				
4	04/01/2015	1	35.8	6.8				
5	07/27/2015	1	33	7.5				
6	08/15/2016	1	7	5.8				
7	8/2/2017	1	42	13				
8	6-Sep-18	1	36	17				
9	15-Aug-19	0.25	53	30				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.27	0.65	0.77				
Mann-Kendall Statistic (S):		-8	8	24				
Confidence Factor:		76.2%	80.1%	99.4%				
Concentration Trend:		Stable	No Trend	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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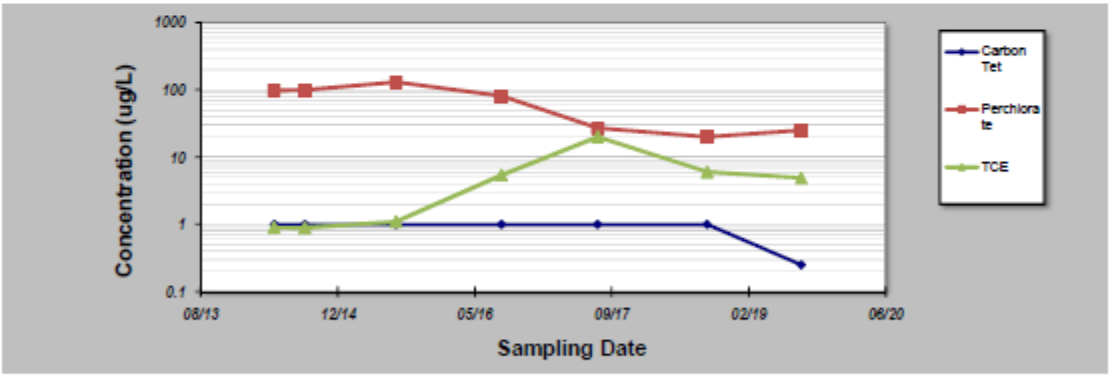
Figure C-6: Mann-Kendall Statistical Analysis for Well EMW-05A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-05A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/09/2014	1	98.5	0.9				
2	08/29/2014	1	99.2	0.89				
3	07/28/2015	1	130	1.1				
4	08/16/2016	1	81	5.4				
5	08/02/2017	1	27	20				
6	9/6/2018	1	20	6				
7	15-Aug-19	0.25	25	4.9				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.32	0.73	1.20				
Mann-Kendall Statistic (S):		-6	-11	11				
Confidence Factor:		76.4%	97.2%	93.2%				
Concentration Trend:		Stable	Decreasing	Prob. Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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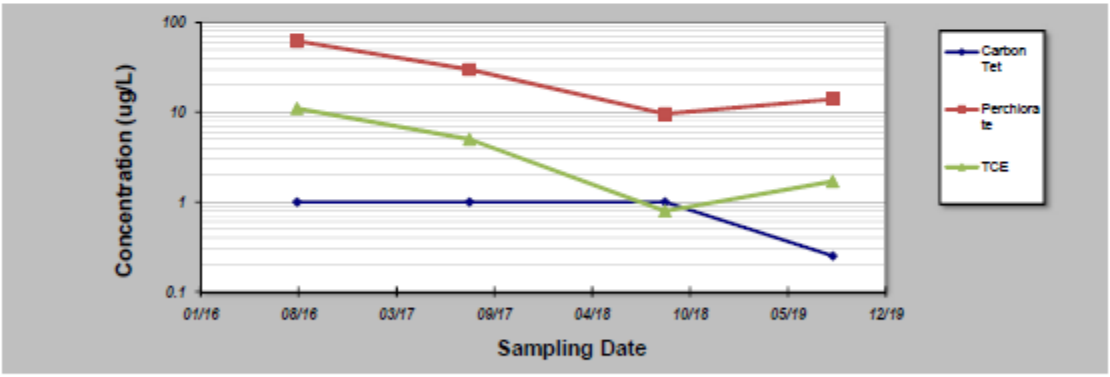
Figure C-7: Mann-Kendall Statistical Analysis for Well EMW-6D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-6D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	08/15/2016	1	62	11				
2	08/02/2017	1	30	5				
3	09/06/2018	1	9.6	0.79				
4	8/15/2019	0.25	14	1.7				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46	0.60	1.00				
Mann-Kendall Statistic (S):		-3	-1	-4				
Confidence Factor:		72.9%		83.3%				
Concentration Trend:		Stable		Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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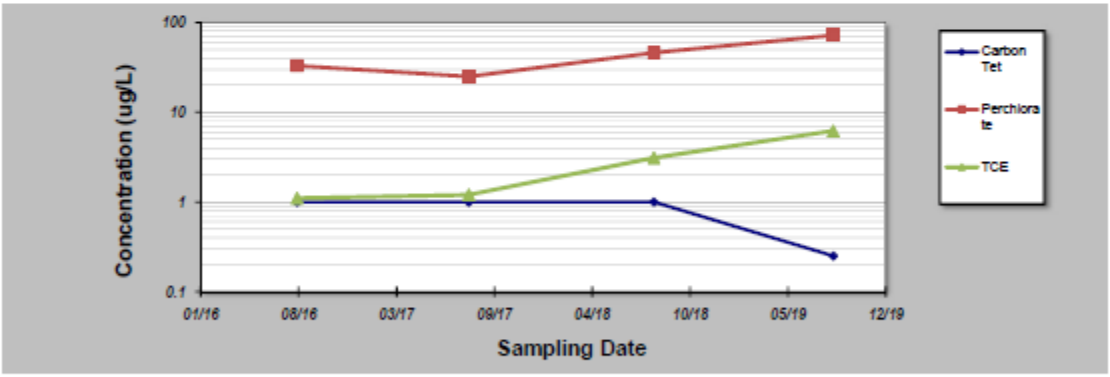
Figure C-8: Mann-Kendall Statistical Analysis for Well EMW-07D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 9-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EMW-07D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	08/15/2016	1	33	1.1				
2	08/01/2017	1	25	1.2				
3	08/14/2018	1	46	3.1				
4	08/16/2019	0.25	72	6.2				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46	0.49	0.82				
Mann-Kendall Statistic (S):		-3	3	6				
Confidence Factor:		72.9%		95.8%				
Concentration Trend:		Stable		Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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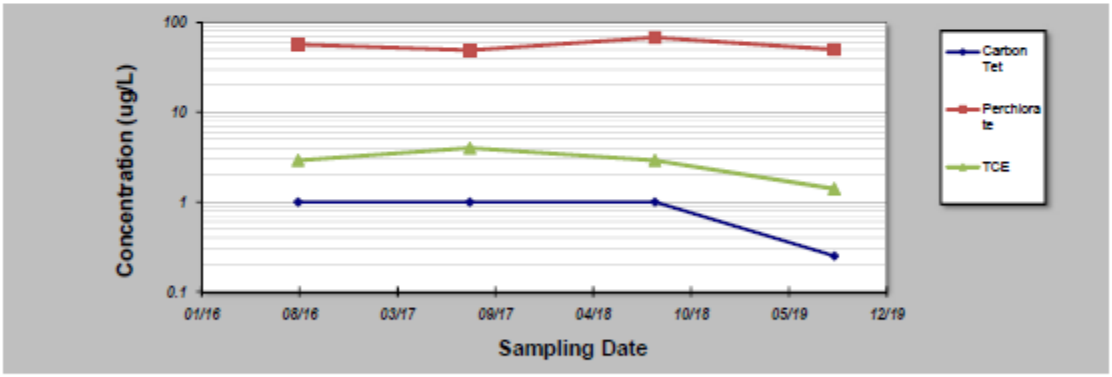
Figure C-9: Mann-Kendall Statistical Analysis for Well EMW-07S

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 3-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna
Job ID: EMW-07S
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	08/15/2016	1	57	2.9				
2	08/01/2017	1	49	4				
3	08/14/2018	1	68	2.9				
4	08/16/2019	0.25	50	1.4				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46	0.19	0.38				
Mann-Kendall Statistic (S):		-3	1	-3				
Confidence Factor:		72.9%		72.9%				
Concentration Trend:		Stable		Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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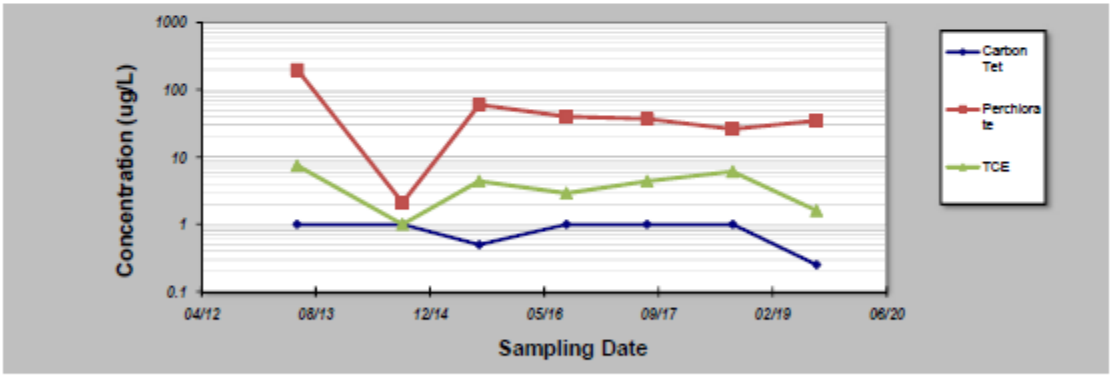
Figure C-10: Mann-Kendall Statistical Analysis for Well EPA-MW9A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 9-Feb-20
Facility Name: Rockets, Fireworks, Flares
Conducted By: Ben McKenna

Job ID: EPA-MW9A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	05/24/2013	1.0	199.0	7.5				
2	08/28/2014	1.0	2.1	1.0				
3	07/30/2015	0.5	60.0	4.4				
4	08/15/2016	1.0	40.0	2.9				
5	08/04/2017	1.0	37.0	4.4				
6	08/14/2018	1.0	26.0	6.1				
7	16-Aug-19	0.3	35.0	1.6				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.38	0.57	0.59				
Mann-Kendall Statistic (S):		-5	-3	-2				
Confidence Factor:		71.9%	64.0%	55.7%				
Concentration Trend:		Stable	Stable	Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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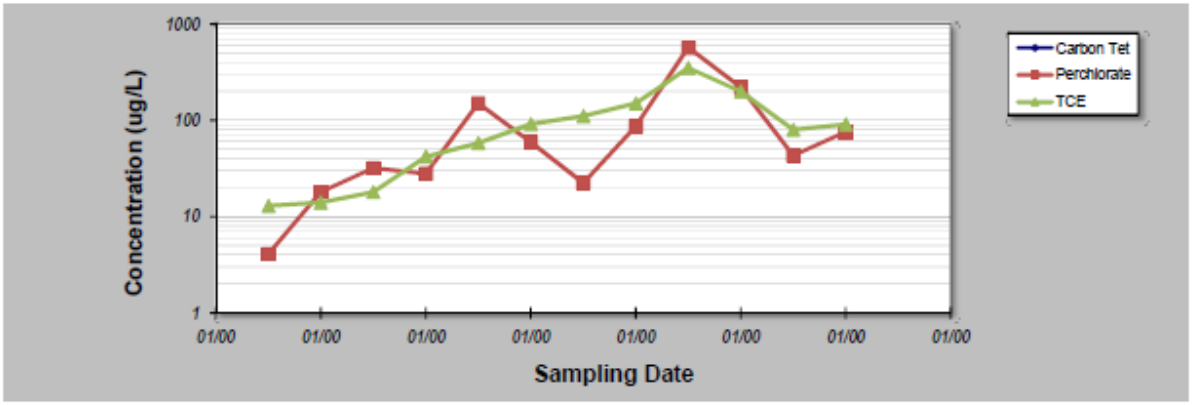
Figure C-11: Mann-Kendall Statistical Analysis for Well PW-2

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Mar-20	Job ID:	PW-2
Facility Name:	Rockets Fireworks & Flares	Constituent:	
Conducted By:	Ben McKenna	Concentration Units:	ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/24/2008	<0.5	4.1	13				
2	3/27/2009		18	14				
3	4/22/2010		32	18				
4	6/22/2011	<0.5	28	42				
5	4/12/2012	<0.5	150	58				
6	05/24/2013	<1.0	59.1	91.4				
7	08/28/2014	<1.0	22.4	111				
8	07/28/2015	<1.0	87	150				
9	08/16/2016	<5.0	570	350				
10	08/03/2017	<2.0	220	200				
11	09/06/2018	<1.0	43	80				
12	8/16/2019	<0.25	76	91				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			1.45	0.95				
Mann-Kendall Statistic (S):			32	44				
Confidence Factor:			98.4%	99.9%				
Concentration Trend:			Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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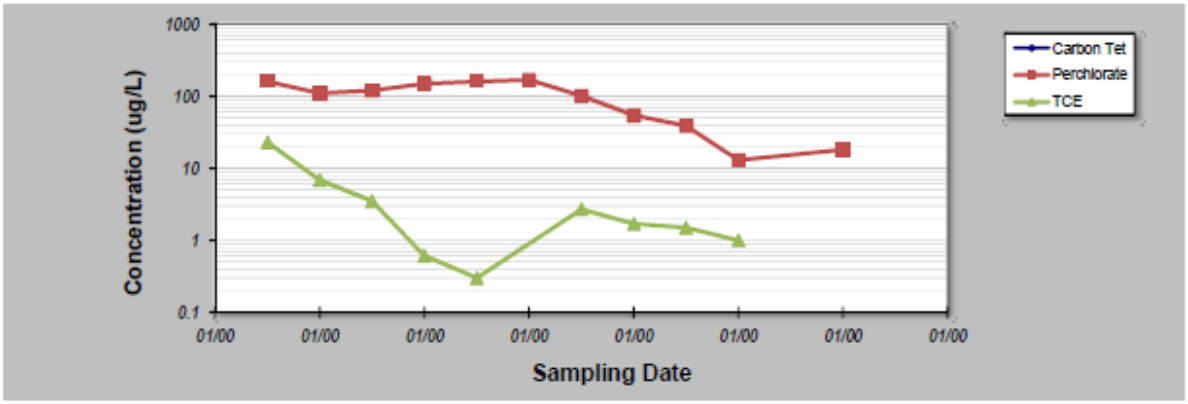
Figure C-12: Mann-Kendall Statistical Analysis for Well PW-5A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-5A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/L)**						
1	1/21/2008	<0.5	160	23				
2	3/18/2009		110	6.9				
3	4/19/2010		120	3.5				
4	7/6/2011	<0.5	150	0.61				
5	4/6/2012	<0.5	160	0.3				
6	05/21/2013	<1.0	169	0.26 J				
7	08/28/2014	<1.0	101	2.7				
8	07/16/2015	<1.0	54	1.7				
9	08/09/2016	<1.0	39	1.5				
10	08/07/2017	<1.0	13	1				
11	08/30/2018	<1.0	2.0 J	0.29 J				
12	8/14/2019	<0.25	18	<0.25				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.60	1.57				
Mann-Kendall Statistic (S):			-30	-20				
Confidence Factor:			99.0%	97.8%				
Concentration Trend:			Decreasing	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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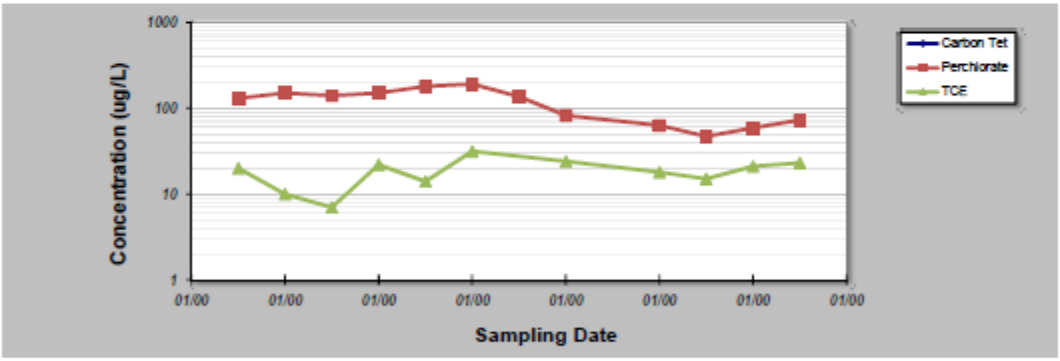
Figure C-13: Mann-Kendall Statistical Analysis for Well PW-5B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-5B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	130	20				
2	3/18/2009		150	10				
3	4/19/2010		140	7				
4	7/6/2011	<0.5	150	22				
5	4/6/2012	<0.5	180	14				
6	05/21/2013	<1.0	192	31.4				
7	08/28/2014	<1.0	136	36.3				
8	07/16/2015	<1.0	82	24				
9	08/18/2015	<0.50	--	39 J				
10	08/09/2016	<1.0	63	18				
11	08/07/2017	<1.0	47	15				
12	08/30/2018	<1.0	59	21				
13	8/14/2019	<0.25	73	23				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.43	0.37				
Mann-Kendall Statistic (S):			-29	16				
Confidence Factor:			97.4%	87.5%				
Concentration Trend:			Decreasing	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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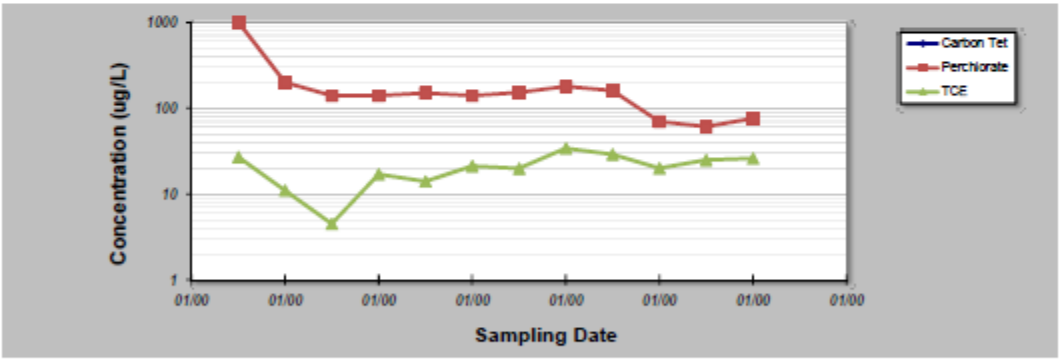
Figure C-14: Mann-Kendall Statistical Analysis for Well PW-5C

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-5C
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	1000	27				
2	3/18/2009		200	11				
3	4/19/2010		140	4.5				
4	7/6/2011	<0.5	140	17				
5	4/6/2012	<0.5	150	14				
6	05/21/2013	<1.0	140	21.2				
7	08/28/2014	<1.0	153	19.8				
8	07/16/2015	<1.0	180	34				
9	08/09/2016	<1.0	160	29				
10	08/07/2017	<1.0	70	20				
11	08/30/2018	<1.0	61	25				
12	8/14/2019	<0.25	76	26				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			1.23	0.40				
Mann-Kendall Statistic (S):			-27	26				
Confidence Factor:			96.3%	95.7%				
Concentration Trend:			Decreasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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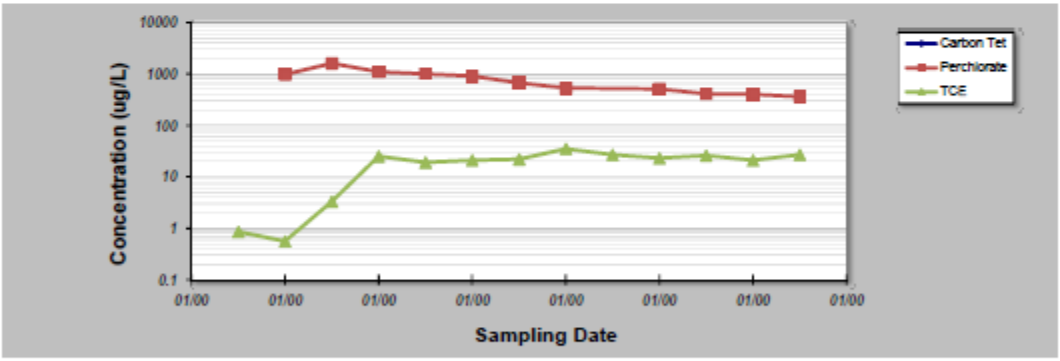
Figure C-15: Mann-Kendall Statistical Analysis for Well PW-5D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-5D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	<1.0	0.86				
2	3/18/2009		970	0.55				
3	4/19/2010		1600	3.3				
4	7/6/2011	<0.5	1100	25				
5	4/6/2012	<0.5	1000	19				
6	05/21/2013	<1.0	908	21				
7	08/28/2014	<1.0	666	21.9				
8	07/16/2015	<1.0	530	35				
9	8/17/2015	<0.50	--	27				
10	8/9/2016	<1.0	510	23				
11	8/7/2017	<1.0	410	26				
12	8/30/2018	<1.0	400	21				
13	8/14/2019	<0.25	360	27				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.50	0.56				
Mann-Kendall Statistic (S):			-49	42				
Confidence Factor:			>99.9%	99.5%				
Concentration Trend:			Decreasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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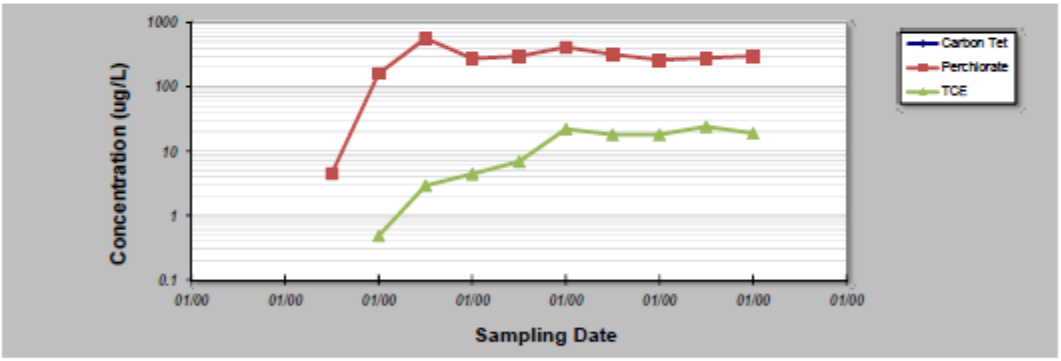
Figure C-16: Mann-Kendall Statistical Analysis for Well PW-5E

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-5E
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/21/2008	<0.5	<1.0	<0.5				
2	3/18/2009		<1.0	<0.5				
3	4/19/2010		4.5	<0.5				
4	7/6/2011	<0.5	160	0.48				
5	4/6/2012	<0.5	560	2.9				
6	05/21/2013	<1.0	274	4.4				
7	08/28/2014	<1.0	299	6.9				
8	07/16/2015	<1.0	410	22				
9	8/9/2016	<1.0	320	18				
10	8/7/2017	<1.0	260	18				
11	8/30/2018	<1.0	280	24				
12	8/14/2019	<0.25	300	19				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.50	0.71				
Mann-Kendall Statistic (S):			11	27				
Confidence Factor:			81.0%	99.8%				
Concentration Trend:			No Trend	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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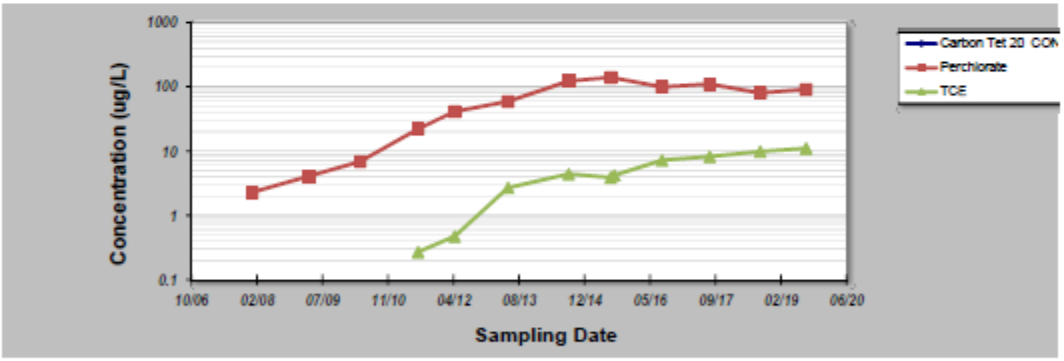
Figure C-17: Mann-Kendall Statistical Analysis for Well PW-6B

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-6B
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/16/2008	<0.5	2.3	<0.5				
2	3/25/2009		4.1	<0.5				
3	4/19/2010		6.9	<0.5				
4	7/5/2011	<0.5	22	0.27				
5	4/9/2012	<0.5	41	0.47				
6	5/21/2013	<1.0	59.2	2.7				
7	8/27/2014	<1.0	123	4.4				
8	7/15/2015	<1.0	140	3.9				
9	8/11/2015	<0.50	–	4.2				
10	8/9/2016	<1.0	99	7.2				
11	8/8/2017	<1.0	110	8.2				
12	8/29/2018	<1.0	80	9.9				
13	8/14/2019	<0.25	91	11				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.76	0.71				
Mann-Kendall Statistic (S):			42	41				
Confidence Factor:			99.8%	>99.9%				
Concentration Trend:			Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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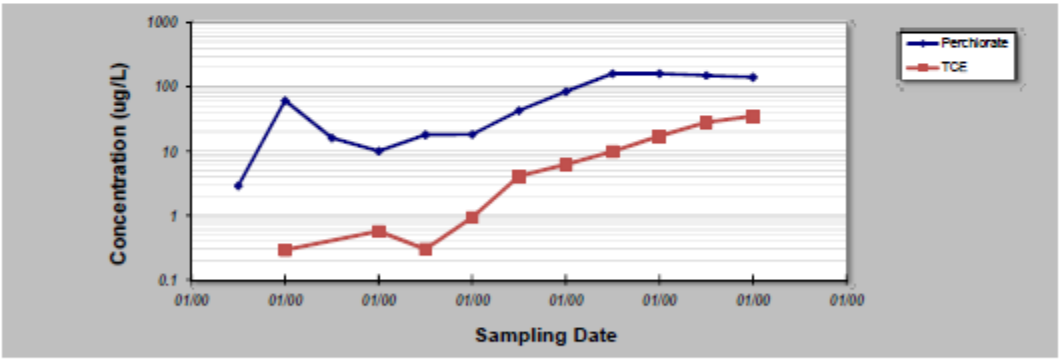
Figure C-18: Mann-Kendall Statistical Analysis for Well PW-6C

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-6C
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/16/2008	<0.5	2.9	<0.5				
2	3/25/2009		61	0.29				
3	4/19/2010		16	<0.5				
4	7/5/2011	<0.5	10	0.57				
5	4/9/2012	<0.5	18	0.3				
6	5/21/2013	<1.0	18.1	0.93				
7	8/27/2014	<1.0	42.5	4.1				
8	7/15/2015	<1.0	84	6.2				
9	8/9/2016	<1.0	160	9.9				
10	8/8/2017	<1.0	160	17				
11	8/29/2018	<1.0	150	28				
12	8/14/2019	<0.25	140	35				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.89	1.22				
Mann-Kendall Statistic (S):			43	43				
Confidence Factor:			99.9%	>99.9%				
Concentration Trend:			Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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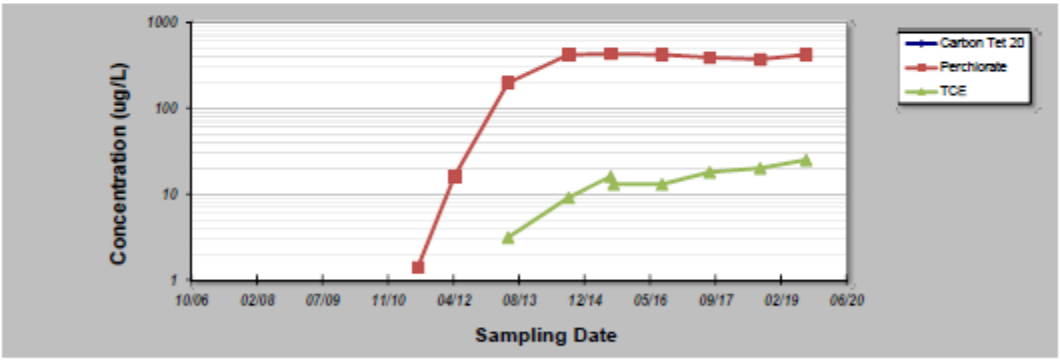
Figure C-19: Mann-Kendall Statistical Analysis for Well PW-6D

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna
Job ID: PW-6D
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/16/2008	<0.5	<1.0	<0.5				
2	3/25/2009		<1.0	<0.5				
3	4/19/2010		<1.0	<0.5				
4	7/5/2011	<0.5	1.4	<0.5				
5	4/9/2012	<0.5	16	<0.5				
6	5/21/2013	<1.0	197	3.1				
7	8/27/2014	<1.0	420	9.1				
8	7/15/2015	<1.0	430	16				
9	8/6/2015	<0.50	--	13				
10	8/9/2016	<1.0	420	13				
11	8/8/2017	<1.0	390	18				
12	8/29/2018	<1.0	370	20				
13	8/14/2019	<0.25	420	25				
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:			0.60	0.46				
Mann-Kendall Statistic (S):			15	23				
Confidence Factor:			92.5%	99.9%				
Concentration Trend:			Prob. Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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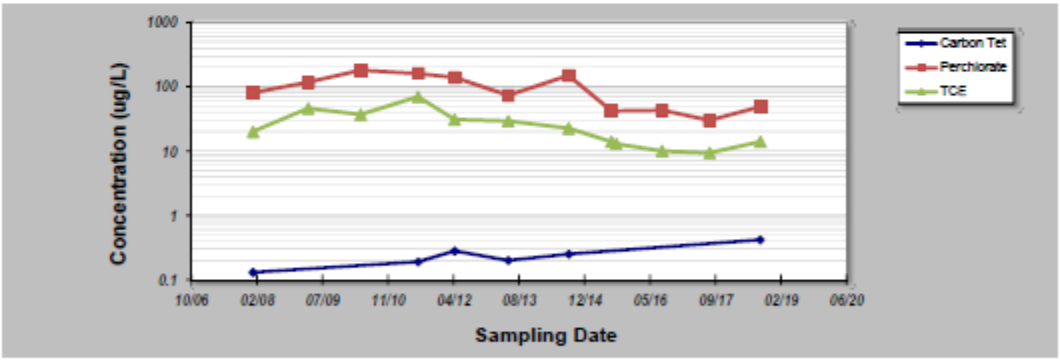
Figure C-20: Mann-Kendall Statistical Analysis for Well PW-8A

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Mar-20
Facility Name: Rockets, Fireworks & Flares
Conducted By: Ben McKenna

Job ID: PW-8A
Constituent:
Concentration Units: ug/L

Sampling Point ID:	Carbon Tet	Perchlorate	TCE				
Sampling Event	Sampling Date	CONCENTRATION (ug/L)						
1	1/22/2008	0.13	81	20				
2	3/20/2009		118	46				
3	4/23/2010		180	37				
4	7/6/2011	0.19	160	70				
5	4/9/2012	0.28	140	31				
6	5/23/2013	0.2	73.2	29.3				
7	8/28/2014	0.25	150	22.6				
8	7/20/2015	<1.0	42	14				
9	8/26/2015	<0.50	--	13				
10	8/10/2016	<1.0	43	10				
11	8/7/2017	<1.0	30	9.4				
12	8/30/2018	0.42	49	14				
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.41	0.56	0.68				
Mann-Kendall Statistic (S):		11	-25	-43				
Confidence Factor:		97.2%	97.0%	99.9%				
Concentration Trend:		Increasing	Decreasing	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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Appendix D: Applicable or Relevant and Appropriate Requirements Assessment

Section 121(d)(1)(A) of CERCLA requires that remedial actions at CERCLA sites attain (or justify the waiver of) any federal or state environmental standards, requirements, criteria, or limitations that are determined to be legally applicable or relevant and appropriate requirements (ARARs). Federal ARARs may include requirements promulgated under any federal environmental laws. State ARARs may only include promulgated, enforceable environmental or facility-siting laws of general application that are more stringent or broader in scope than federal requirements and that are identified by the state in a timely manner. ARARs are identified on a site-specific basis from information about the chemicals at the site, the remedial actions contemplated, the physical characteristics of the site, and other appropriate factors. ARARs include only substantive, not administrative, requirements and pertain only to onsite activities. There are three general categories of ARARs: chemical-specific, location-specific, and action-specific.

Because this remedy is an interim action that does not include restoration of the aquifer as an objective, EPA is not, at this time, establishing chemical-specific ARARs as *in situ* cleanup goals for contaminated groundwater at the Site. In situ cleanup goals will be addressed in a subsequent decision document. While chemical specific ARARs are not cleanup goals for groundwater, they are applicable to the extracted and treated water which will be utilized as drinking water. Chemical-specific ARARs identified in the ROD for the extracted and treated groundwater are shown in Table A.1.

Table A.1. Summary of Extracted and Treated Groundwater ARAR Changes

Contaminants of Concern	2010 ROD cleanup goals (µg/L)	State MCL (µg/L)	Federal MCL (µg/L)	Is the cleanup goal above the current MCL?
Carbon tetrachloride	0.5 (State)	0.5	5	No
Chloroform (Trichloromethane)	80[1] (Federal)	80[1]	80[1]	No
Methylene Chloride (Dichloromethane)	5 (Federal)	5	5	No
Perchlorate	6 (State)	6	none	No
Trichloroethene (TCE)	5 (Federal)	5	5	No

Notes: [1]There is no MCL for chloroform. The values listed for chloroform are for the combined concentration of four trihalomethanes: chloroform, dibromochloromethane, bromodichloromethane, and bromoform.

No Site contaminants of concern have cleanup levels above their respective current maximum contaminant level (MCL) and there have been no changes to State or Federal MCLs since the 2010 Interim ROD. The California Office of Environmental Health Hazard Assessment (OEHHA) published an updated public health goal (PHG) of 1 part per billion (ppb) for perchlorate in drinking water in February 2015. This updates the previous California PHG of 6 ppb perchlorate, which was set in 2004. The updated PHG is lower because it incorporates new research about the effects of perchlorate on infants.

Federal and State laws and regulations other than the chemical-specific ARARs that have been promulgated or changed over the past five years are described in A-2. There have been no revisions to laws or regulations that are pertinent to the Site which affect the protectiveness of the remedy. The table does not include those ARARs identified in the ROD that are no longer pertinent, now that the remedial design is complete. The table also does not include those ARARs identified in the ROD that have not changed since finalization of the 2010 ROD; and therefore, do not affect protectiveness.

Non-pertinent ARARs are listed below:

- National Historic Preservation Act
- Historic Site Act
- Archaeological and Historic Preservation Act
- Archaeological Resources Protection Act
- Endangered Species Act
- California Endangered Species Act
- Native Plants Protection Act
- Migratory Bird Treaty Act
- California Fish and Game Code
- Native American Graves Protection and Repatriation Act
- Executive Order Protection and Enhancement of the Cultural Environment
- Executive Order on Floodplain Management
- Executive Order Protection of Wetlands
- Executive Order Indian Sacred Sites

ARARs that have not changed since the finalization of the 2010 Interim ROD:

- Clean Air Act, South Coast Air Quality Management District (SCAQMD) Regulation XIII, Rules 1301-1304, 1305-1313, 1401 and 401-403
- RCRA Subtitle C Hazardous Waste Identification and Generator Requirements; California Hazardous Waste Regulations, Generator Requirements 22 CCR, Division 4.5, Chapter 11, Articles 2-5 and Article 1 sections 66261.1-66261.3 and sections 66261.6-66261.9.5.
- Federal SDWA Underground Injection Control (UIC) Regulations, 42 U.S.C. §300f et seq.
  - 40 CFR 144.12-144.13
- Resource Conservation and Recovery Act §3020
  - 42 U.S.C. §6939b

- California Porter- Cologne Water Quality Act, California Water Code 13240
  - Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin, Chapters 2(Plans and Policies), 3(Beneficial Uses), and 4 (Water Quality Objectives)
- Federal Water Pollution Control Act 33 USC 1311, 1314(b)
- Federal Water Pollution Control Act 33 USC 1342,1344
  - 33 CFR 323.1 et seq.
- California Toxics Rule
  - 40 CFR 131.36(d)(10)(ii)
- California Land Disposal Restrictions, Requirements for Generators
  - 22 CCR 66268.1 et seq. Also 22 CCR 66268.3, 22 CCR 66268.7, 22 CCR 66268.9, 66268.40 and 22 CCR 66268.50
- California Hazardous Waste Regulations, Generator Requirements
  - 22 CCR 66262.34(a)(1)(A)
- California Hazardous Waste Regulations, Storage of Hazardous Waste
- 22 CCR 66265.170 et seq. (Article 9) 22 CCR 66265.190 et seq. (Article 10)

Table A-2. Applicable or Relevant and Appropriate Requirements Evaluation

Original ARAR	**Document and Citation**	Original ARAR requirement	Revised requirement	**Revision Date (between Sept. 2010-present)**	**Effect on Protectiveness**
Clean Air Act, South Coast Air Quality Management District (SCAQMD)	2010 Interim ROD SCAQMD Regulation XIII, comprising Rules 1301 through 1313 SCAQMD Rule 1401 SCAQMD Rule 1401.1	Rules 1301 through 1313 establish new source review requirements. Rule 1303 requires that all new sources of air pollution in the district use best available control technology (BACT) and meet appropriate offset requirements. Emissions offsets are required for all new sources that emit in excess of 1 pound per day of volatile organic compounds. SCAQMD Rule 1401.1 applies to discharges that are within 500 feet of a school and requires that the discharges from a facility do not create a cancer risk in excess of 1 in 1 million (1 × 10-6) at the school.	Rule 1304.1 requires paying fees for up to the full amount of offsets provided by SCAQMD. Rule 1401.1 requires additional direction for staff to provide a report to the stationary source committee regarding the use of historical data in health risk assessments in certain circumstances and receiving and filing the SCAQMD risk assessment procedures for preparing risk assessments for the air toxics 'hot spots' information and assessment act	Rule 1304.1 adopted September 6, 2013 Rule 1401.1 revision date June 5, 2015	None. Also, the revised requirement is not substantive to the remedy.

Original ARAR	**Document and Citation**	Original ARAR requirement	Revised requirement	**Revision Date (between Sept. 2010-present)**	**Effect on Protectiveness**
RCRA Subtitle C Hazardous Waste Identification and Generator Requirements; California Hazardous Waste Regulations, Generator Requirements	2010 Interim ROD 22 CCR, Division 4.5, Chapter 11 Identification and Listing of Hazardous Waste	A solid waste is a RCRA hazardous waste if it exhibits any of the characteristics of ignitability, corrosivity, reactivity, or toxicity identified in 22 CCR 66261.21, 66261.22(a)(1), 66261.22(a)(2), 66261.23, 66261.24(a)(1), 22 CCR 66262.11, and 22 CCR 66260.200, or if it is listed as a hazardous waste in Article 4 of Chapter 11. Under the California RCRA program, wastes can be classified as non-RCRA, state-only hazardous wastes if they exceed the soluble threshold limit concentration (STLC) or the total threshold limit concentration (TTLC) values listed in 22 CCR 66261.24(a)(2).	Chapter 11, Article 1, § 66261.4. Exclusions amends subsection (h) stating the CRT panel glass that meets the criteria in section 66273.81 of chapter 23 of this division and destined for disposal is not a hazardous waste for purposes of disposal and is exempt from the generator and hazardous waste disposal fees. Subsection (i) states the CRT panel glass that is managed in accordance with section 25143.2.5 of the Health and Safety Code is not subject to regulation by DTSC pursuant to Health and Safety code and 40 CFR Section 261.4.	Revision date October 22, 2018	None

Appendix E: Public Notice

Proof of Publication

STATE OF CALIFORNIA.
SS
County of San Bernardino
I declare under penalty of perjury that:

I am a citizen of the United States and a resident of the County aforesaid: I am over the age of eighteen years, and not a party to nor interested in the above entitled matter. I am the principal clerk of the printer of the Rialto Record, a newspaper published in the City of Rialto, County of San Bernardino, State of California, and which newspaper is published for the dissemination of local news and intelligence of a general character, and which newspaper at all the times herein mentioned had and still has a bona fide subscription list of paying subscribers, and which newspaper has been established, printed and published at regular intervals in the City of Rialto, County of San Bernardino, State of California, for a period exceeding one year next preceding the date of publication of the notice hereinafter referred to; and which newspaper is not devoted to nor published for the interests, entertainment or instruction of a particular class, profession trade, calling, race, or denomination, or any number of the same, that the notice, or which the annexed is a printed copy has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

March 19, 2020

I certify under penalty of perjury that the foregoing is true and correct.

Dated: March 19, 2020

Signature _____

EPA SEEKS PUBLIC INPUT ON CLEANUP WORK AT ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

The U.S. Environmental Protection Agency (EPA) is reviewing its work to clean up the Rockets, Fireworks and Flares Superfund site in and near Rialto, California. This review—called a "Five-Year Review" —will see if the cleanup plan for the site is still working as it was designed and that it still protects human health and the environment. According to the Superfund law, EPA is required to review its cleanup plan, or "remedy," every five years if either the cleanup takes more than five years to complete, or, if hazardous waste remains on site.

The Rockets, Fireworks, and Flares site includes a 160-acre industrial area in Rialto, California where the U.S. Army, defense contractors, fireworks manufacturers, and other businesses have operated since the 1940s. These companies handled perchlorate salts and/or other hazardous chemicals and disposed of chemical wastes on site, contaminating the soil and groundwater.

This is the first Five-Year Review for the site.

What Is Included in a Five-Year Review?
Five-Year Reviews include:
- an inspection of the site and cleanup technologies;
- *if available, review of monitoring data, operating data, and maintenance records;* and
- a determination if any new relevant regulatory requirements have been established since EPA's original cleanup decision was finalized.

EPA Wants to Hear from You!
EPA invites the community to learn more about the site and welcomes your input about how the site cleanup is going in an interview. If you would like to be interviewed, please contact Wayne Praskins, Remedial Project Manager for the site, at (415) 972-3181 or at praskins.wayne@epa.gov before April 30, 2020.

For more site information, visit EPA's web page at: www.epa.gov/superfund/rf

CNS-3351737#

RIALTO RECORD
P.O. Box 110
Colton, CA 92324
Phone (909) 381-9898 • 384-0406 FAX

The Rialto Record was declared a newspaper of general circulation on April 22, 1966 in Judge Joseph T. Ciano's court. Decree Number 26583. Recorded in Book 193, Page 126 of Official Records of San Bernardino County, California.

A0000053891 20

Appendix F: San Bernardino County Response Letter

222 West Hospitality Lane 2nd Floor, San Bernardino, CA 92415-0017 | Phone: 909.386.8701 Fax: 909.386.8900
www.SBCounty.gov

SAN BERNARDINO COUNTY

Department of Public Works
- Flood Control
- Operations
- Solid Waste Management
- Surveyor
- Transportation

Brendon Biggs, M.S., P.E.
Interim Director

February 10, 2020

U.S. Army Corps of Engineers
USACE Seattle District
4735 East Marginal Way
Seattle, WA 98134

Attention: Ben McKenna, PG, Geologist

RE: County of San Bernardino's Response U.S. Army Corps of Engineers Review Questionnaire Rockets, Fireworks & Flares Superfund Site Rialto, California

Thank you for allowing the County of San Bernardino (County) to respond to the U.S. Army Corps of Engineers' interview questionnaire regarding the remedy planned by Emhart Industries Inc. (Emhart) for Source Area Operable Unit 1 (SAOU-1) for the Rockets, Fireworks and Flares Superfund Site in Rialto, California (the Remedy). The Remedy is designed to remediate contamination in the northern portion of what is known as the Eastern Perchlorate Plume in the Rialto Colton Basin. Emhart is implementing the Remedy pursuant to a 2012 Consent Decree. The County appreciates this opportunity to provide input to help ensure that the Remedy is effective and does not adversely impact the County's remedy for another, nearby plume, the Western Perchlorate Plume.

Background

Since 2005, the County has been operating a separate remedy to address the Western Perchlorate Plume under the oversight of the California Regional Water Quality Control Board. Initially, the County's system extracted water only from City of Rialto Well No. 3 (CR-3). As anticipated, data indicates that the Western Perchlorate Plume has been shifting west for a number of years, and for the last several years, the County has been gradually shifting the focus of its containment program to the west.

In 2013, Emhart completed modeling for its Remedial Design for the Eastern Perchlorate Plume. Emhart's modeling relies on two wells, EW-1 (constructed by Emhart) and CR-3 (constructed by Rialto) to capture the Eastern Perchlorate Plume target area. Emhart's Remedial Design indicates that Emhart will construct a second well (EW-2) if pumping from EW-1 and CR-3 cannot adequately contain the Eastern Perchlorate Plume as part of SAOU-1.

BOARD OF SUPERVISORS
Robert A. Lovingood, First District | Janice Rutherford, Second District | Dawn Rowe, Third District | Curt Hagman, Chairman, Fourth District | Josie Gonzales, Vice Chair, Fifth District
Gary McBride, Chief Executive Officer

The County entered into an agreement with Emhart in 2015 that allows Emhart to expand the County's existing perchlorate and VOC treatment plant at CR-3, which the County has used to address the Western Perchlorate Plume, to support the Remedy for the Eastern Perchlorate Plume. The agreement between the County and Emhart also allows Emhart to utilize CR-3 to help contain the perchlorate and VOC plume associated with the SAOU-1 even if the County shifts its remedy extraction to other wells. The County and Emhart also entered into an agreement in 2015 with the City of Colton and the City of Rialto in connection with the combined treatment system for these response actions.

Issues of Concern

The County has the following comments regarding the ongoing implementation of the SAOU-1. The County raises these issues to facilitate the implementation of the Remedy, now that it is about to become operational.

(1) **Definition of Source Area.** The Record of Decision (ROD) for the SAOU-1 provides for the refinement of the target area for the remedy during remedial design. *See* USEPA, Interim Action Record of Decision (Sept. 30, 2010) at Section 2.4.8, p. 2-15. ("It is expected that additional monitoring wells will be installed during the remedial design phase of the remedy to refine the upgradient and downgradient boundaries of the targeted area."). Emhart's 2013 Modeling Report, too, concludes that installation of additional monitoring wells is necessary to address the uncertainty regarding the northern boundary of the Target Area. *See* ERM Final Groundwater Flow Modeling Report (July 26, 2013), section 6.0, p. 36.

In June 2014 comments on the Remedial Design, USEPA requested that Emhart re-evaluate the boundaries of the Target Area "after installation and sampling of the new groundwater monitoring wells in early 2014." USEPA Response to Comments on Remedial Design, Comment #4. In response, Emhart stated that it would "re-evaluate the boundaries of the Target Area as appropriate based on monitoring data and remedy performance." Though USEPA approved Emhart's Remedial Design, it did not agree with Emhart's plan to re-evaluate the Target Area "as appropriate," and stated that Emhart needed a firm timetable for the re-evaluation. USEPA stated: "[a] re-evaluation is appropriate after sampling data are available in 2014 from the installation of the new groundwater monitoring wells. Data should be available well before the remedy becomes operational." USEPA, Approval of Preliminary Design Report (Nov. 18. 2013), Comment #2. As far as the County is aware, a re-evaluation of the boundaries of the Target Area has not yet been completed, as required by USEPA. An analysis of the Target Area will be important for evaluating the adequacy of the response action to achieve its objectives and how that response action can be optimized over time.

(2) **Measuring Containment.** It is anticipated that the Remedy will begin operating this year. It could be helpful to identify the analytical measures and well locations where containment of the Eastern Perchlorate Plume will be measured. Similarly, it could be useful to identify the metrics for determining adequate containment efficiency and a time-frame for its determination.

(3) **Pumping Rate of CR-3.** Emhart's Remedial Design considers past and potential pumping rates at CR-3, and relies on CR-3 in part for capturing the Eastern Plume. Emhart's 2013 Modeling Report relies upon CR-3 pumping at a rate of 1300 gpm if only CR-3 and EW-1 are used. *See*

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Gary McBride Chief Executive Officer

ERM Final Groundwater Flow Modeling Report (July 26, 2013), section 6.0, p. 36. *See also* Preliminary Design Report (2013), section 4.2.1. As the Emhart remedy is implemented, and as the County moves the focus of its remedial pumping away from CR-3 to optimize containment of the Western Plume under oversight of the Regional Board, it may be necessary for EPA to re-evaluate the optimal strategy for the Eastern Plume containment program.

(4) **Impact of Current Groundwater Elevations**. Given current groundwater elevations (which for this water year reflect a 39% reduction in key water rights due to lower water levels in the index wells) and other data, it may be prudent to re-evaluate ways to optimize the containment program for the Remedy, including whether an additional extraction well (such as EW-2) should be installed. Emhart originally proposed that the need for a second remedy well (EW-2) will be determined *after* evaluating the performance of the planned remedy well. USEPA has indicated that EW-2 will be necessary if any of the following three conditions occur: data indicating insufficient capture of the plume, monitoring well results indicating a more westerly groundwater flow, and data indicating that the Target Area is larger than assumed in the Final Design. *See* USEPA Comments on the Preliminary Design Report (Nov. 1, 2013), Comment #8. Further, in approving the remedial design, USEPA stated that the need for a second remedy well may become apparent even before Emhart's remedy well (EW-1) begins operation. *See* USEPA, Approval of Preliminary Design Report (Nov. 18. 2013), Comment #4 (stating "As we have commented before, new data may warrant installation of a second new extraction well before the remedy begins operation."). The County believes that these conditions have been met, and that EPA should further evaluate optimization of the remedy, including the potential need for an additional extraction well.

Thank you again for the opportunity to provide comments on the SAOU-1 remedy in the context of the 5-year review. Please contact Ralph Murphy at (909) 781-9021 if you have any questions or would like to schedule a time to discuss this matter.

Respectfully,

for **DARREN J. MEEKA, P.E.**
Interim Deputy Director

DM:MR:co

BOARD OF SUPERVISORS
ROBERT A. LOVINGOOD First District | JANICE RUTHERFORD Second District | DAWN ROWE Third District | CURT HAGMAN Chairman, Fourth District | JOSIE GONZALES Vice Chair, Fifth District | Gary McBride Chief Executive Officer

Appendix G: Site Inspection Report and Photos

Trip Report
Rockets, Fireworks & Flares Superfund Site, Rialto, California

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1. INTRODUCTION

a. Date of Visit: 14 January 22, 2020

b. Location: Rialto, California

c. Purpose: A site visit was conducted to visually inspect and document the conditions of the remedy, the site, and the surrounding area for inclusion into the Five-Year Review Report.

d. Participants: *List all attendees*

Benino McKenna	USACE Seattle District Geologist	(206) 764-3803
Wayne Praskins	USEPA Region 9 Remedial Project Manager (RPM)	(415) 972-3181
Kamran Javandel	Allen Matkins/Emhart Industries, Inc.	(415) 273-7473
Tom Crowley	Utilities Manager, City of Rialto	(909) 820-8056
David Towell	Sr. Project Manager, CH2MHILL/Jacobs	(213) 228-8285
David Terry	Veolia, Project Manager	(909) 222-7648
Andrew Coleman	Veolia, Field Supervisor	(909) 301-9837
Jerry Zimmerle	Project Manager, AECOM	(949) 939-4640
Tom Munoz	Construction Manager, AECOM	(714) 394-8147
Diana Chacon	Geologist, Geo-Logic	(949) 929-4279

2. SUMMARY

A site visit to the location of the groundwater treatment plant for the Rockets, Fireworks & Flares (RFF) was conducted on 14 January 2020. The participants toured the groundwater treatment plant, groundwater extraction well location and the location of the recently completed pilot study. The existing groundwater treatment plant is owned and operated by the City of Rialto but was expanded to accept water from the RFF extraction well system to be treated and discharged. The expansion portion of the treatment plant is not currently in operation but is planned to begin in 2020 pending permitting from the State of California.

3. DISCUSSION

On 13 January 2020 Benino McKenna traveled from Seattle, Washington to Ontario, California and met with the site visit participants on 14 January 2020 at the existing groundwater treatment plant owned by the City of Rialto, California. The weather was partly cloudy and cool with an approximate temperature of 56ºF. The site is accessed from North Linden Ave and is located approximately 6.5 miles west of the downtown San Bernardino.

Mr. McKenna arrived on site at 11:00am and met with the site participants. The participants were given a briefing on the purpose of the site visit by Mr. Wayne Praskins and a health and safety briefing from the plant operators from Veolia.

Mr. McKenna proceeded to inspect the existing groundwater treatment system operated by the City of Rialto. The system extracts from one well on site (Rialto 3) and receives additional influent water from offsite extraction wells.

Influent groundwater is filtered through a sand separating unit and 5-micron bag filtration before being treated by ultra-violet (UV) system. After the UV treatment groundwater is sent to a 125,000 gallon equalization tank which distributes groundwater to the existing groundwater treatment system as well as the new expansion of the system for the RFF groundwater. Both the existing treatment system and the new RFF expansion utilize ion exchange (IX) and granular activated carbon (GAC) vessels to treat groundwater before final chlorination before discharging to the municipal water system

The new expansion of the groundwater treatment system that was constructed to treat the groundwater from the RFF extraction wells was not operation at the time of inspection. The treatment vessels did not contain any GAC or IX but did have groundwater actively being cycled through them to prevent any interior corrosion or biofouling. The new expansion is anticipated to come on line in April of 2020.

A Site Inspection Checklist was completed for the existing treatment system even though the new expansion was not active to document the process that will eventually be utilized for the new expansion. All components of the treatment system were in excellent condition with clear signage and all influent, mid and effluent sample ports clearly marked and labeled.

After the groundwater treatment plant walkthrough, part of the team then drove east to an active drilling location where drill crews were installing a 70 foot deep dry well adjacent to the newly installed extraction well EW-1. The new extraction well will eventually be tied into the existing supply lines and supply groundwater to the new expansion of the treatment system. The drilling location was located adjacent to the site of the recent pilot study which was completed to facilitate the permitting of the new treatment plant expansion.

After viewing the drilling operations the majority of the team departed. AECOM Construction Manager Tom Munoz escorted Mr. McKenna into the drill site to document activities and then to existing supply wells Miro-2 and Miro-3.

The site visit concluded at approximately 1530.

4. ACTIONS

The USACE will incorporate information obtained from the site visit into the Five Year Review report.

Benino McKenna
Geologist
CENWS-ENT-G

Site Visit Photos

Combined Treatment Facility	Rialto 3 Supply Well
125,000 gallon EQ Tank and Booster Pumps	Rialto 3 Supply Well Control Panel

Trip Report
Rockets, Fireworks & Flares FYR 3

Rialto 3 Supply Well 5-Micron Bag Filters	IX Resin Vessel (front) and GAC Vessels (rear)
Expanded Section of Treatment Plant	Chlorination Treatment Building
Rialto 3 Influent Sampling Station & Signage	System Effluent Sampling Station & Signage

Trip Report
Rockets, Fireworks & Flares FYR 4

Drill Crews Installing 70-foot Dry Well at EW-1 Site	AECOM Drill Site Showing EW-1 & PZ-1D & PZ-1S
Former Pilot Test Area being Cleaned Up	Miro 3 Supply Well Pump House

Phase I Environmental Site Assessment
Olive Grove
31.61-Acre Parcel Located Near the Northwest Corner of the Intersection of Baseline Road and Cactus Avenue
Rialto, California

November 14, 2007
002-11162-00

Prepared For
Oakmont Industrial Group
18201 McDurmott Street West, Suite E
Irvine, California 92614

Prepared By
LFR Inc.
3150 Bristol Street, Suite 250
Costa Mesa, California 92626

LFR ENVIRONMENTAL MANAGEMENT & CONSULTING ENGINEERING

November 14, 2007 002-11162-00

Mr. Timothy J. Howard
Executive Vice President
Oakmont Industrial Group
18201 McDurmott Street West, Suite E
Irvine, California 92614

Subject: Phase I Environmental Site Assessment, Olive Grove, 31.61-Acre Parcel Located Near the Northwest Corner of the Intersection of Baseline Road and Cactus Avenue, Rialto, California

Dear Mr. Howard:

LFR Inc. (LFR) is pleased to present the attached Phase I environmental site assessment (ESA) report for the above-referenced property in Rialto, California. The conclusions presented in this report are based on the results of a reconnaissance-level Site visit conducted by LFR personnel, and a review of available and pertinent background information. The ESA was conducted in accordance with the Prudential Real Estate Investors' (PREI) current scope of work for ESAs. PREI is a potential partner in this transaction.

LFR appreciates this opportunity to provide consulting services to Oakmont Industrial Group. If you have any questions concerning this project, or would like to discuss other environmental concerns, please contact me at (714) 444-0111.

Sincerely,

Thomas S. Chandler
Principal Engineer

Attachment

cc: Harris Sanders, PREI

714.444.0111 m
714.444.0117 f
www.lfr.com
3150 Bristol Street, Suite 250
Costa Mesa, California 92626-7324
Offices Nationwide

EXECUTIVE SUMMARY

LFR Inc. (LFR) has prepared this Phase I environmental site assessment (ESA) report for the Olive Grove property, which consists of 31.61 acres of land located near the northwest corner of the intersection of Baseline Road and Cactus Avenue in Rialto, San Bernardino County, California ("the Site"). The Site is owned by Lewis Operating Corporation, and is currently undeveloped. This Phase I ESA was conducted on behalf of Oakmont Industrial Group (Oakmont) and Prudential Real Estate Investors (PREI) in accordance with PREI guidelines. The Site is proposed to be developed commercially.

The Oakmont Project Manager for this project is Mr. Timothy J. Howard (telephone number 949-253-8080). PREI's Project Manager for this project is Mr. Bill Anderson (telephone number 973-734-1397). LFR's project team includes Ms. Shauna Head, Ms. Dana Brodie, Ms. Janet Holtz, and Mr. Thomas Chandler (telephone number 714-444-0111 and fax number 714-444-0117). This report has been reviewed by Mr. Thomas Chandler, LFR's Deputy Prudential Coordinator for West Coast projects.

Background

Based on LFR's historical research, the Site was utilized for agriculture from as early as the mid-1930s until the mid-1960s. Since the mid-1960s, the Site has been vacant land covered in vegetation. No structures were located on the property. The surrounding area has also been used for agriculture from at least 1930 to as late as the mid-1990s. Residential and commercial uses were developed in the surrounding area by the mid-1960s. Cactus Dump, a solid waste disposal site, was located approximately 0.1 mile to the northeast of the Site until it closed in 1956. It was then excavated for use as a gravel pit. Gravel pits were also excavated on the adjacent properties to the north and east of the Site from the 1950s to as late as 1990. The historic gravel pits are currently utilized by the San Bernardino County Flood Control Department as a flood control area. This area and the Site are located within a 500-year floodplain. The presence of these former off-site features does not appear to present an environmental concern to the Site, based on agency research and current use.

Based on the past agricultural use of the Site, there is the potential for pesticides to have historically been used on the property. However, if these materials were applied in an approved manner in a homogeneous application across the Site, it is unlikely that their use would trigger regulatory intervention. The Site is proposed to be developed commercially and will be covered with paving and a building footprint(s); therefore, the exposure pathway for potential residual pesticides is significantly reduced. Furthermore, grading prior to development at the Site will rework the soil, also reducing the impact of these substances, if present. In addition, LFR did not identify any pesticide mixing or storage areas onsite. LFR does not believe the previous agricultural use represents an environmental concern to the Site.

Site Inspection

On the day of LFR's site inspection, the 31.61-acre Site consisted of undeveloped desert terrain that generally sloped downward to the southeast. The Site was fenced along the perimeter except at the northeast corner. Vegetation consisting of desert shrubs as tall as approximately 2 to 3 feet was observed throughout the property. Pathways approximately 25 to 30 feet across were plowed north-south and east-west in a grid pattern throughout the Site and along the perimeter of the property for firebreaks. Smaller dirt trails were observed around the northwest end of the Site.

Non-hazardous debris in the form of plastic, glass, tires, a couch, fabric, and paper were observed scattered throughout the Site. LFR also observed a pile of empty "Megaplex X Grease 2" 14-ounce containers near the northeast corner of the property. No surface staining was observed.

Mounds of soil approximately 5 to 6 feet high were observed along the east property boundary. According to the owner of the Site, Shea Homes was allowed to dispose on the Site excess soil generated during construction of Shea Homes' residential development located at the southeast corner of Baseline Road and Cactus Avenue, approximately 0.25 mile southeast of the Site. The Site owner provided a Phase I ESA report and a Limited Phase II report for the Shea Homes property, which stated that the prior use of that property was agricultural. Therefore, four soil samples were collected and analyzed for organochlorine pesticides. No pesticides were detected at concentrations above the U.S. Environmental Protection Agency (EPA) Preliminary Remediation Goal (PRG) for a residential scenario. Based on these analytical results, it does not appear that the onsite soil mounds represent an environmental concern for the Site.

No evidence of the disposal of hazardous materials or surface staining was observed.

During the inspection, no distressed vegetation (other than from water stress), monitoring wells or remediation systems were observed at the Site. There was no evidence of current aboveground storage tanks (ASTs), underground storage tanks (USTs), pits, ponds or sumps on the Site.

As the subject property is undeveloped land, asbestos-containing materials, lead-based paint, and microbial amplification are not considered a concern to the Site.

Regulatory Records

There were no records for the Site location at local agencies researched, as the property has not currently been assigned a street address.

An environmental database report prepared by Environmental Data Resources, Inc. (EDR) was reviewed for local, state, and federal listings for properties within the site vicinity. Regulatory databases were reviewed for cases pertaining to leaking USTs and

ASTs, hazardous waste sites, and abandoned sites within the specified radii of standards established by the American Society for Testing and Materials (ASTM) guidelines for ESAs. No off-site facilities with the potential to present an environmental concern for the Site were listed on any of the databases reviewed, other than those discussed below.

Off-Site Properties

The Site is bounded to the north by Jerry Eaves Park and a dry flood control area; to the east by a dry flood control area; to the south by Baseline Road, followed by a residential area; and on the west by vacant lots and commercial buildings. Aboveground power lines and underground telephone cables are located between the southern boundary of the Site and Baseline Road.

The Cactus Dump, a solid waste dump site, was located at a lower elevation approximately 0.1 mile northeast of the Site. After its closure in 1956, the property was excavated as gravel pits. Gravel pits were located on the north and east adjacent properties by at least 1954. According to the San Bernardino County Flood Control Department, the northeast adjacent property has been under their control since the 1940s, and is currently utilized as a flood control area. Based on the fact that the contents of the dump were excavated and then over-excavated for gravel pits, the prior existence of this dump does not represent an environmental concern to the Site.

According to the City of Rialto and the California Regional Water Quality Control Board, Santa Ana Region (RWQCB), groundwater in the City of Rialto including the groundwater beneath the Site has been impacted with perchlorate. The source of the perchlorate was an area known as the "160-acre site" and the Mid-Valley Sanitary Landfill, both located approximately 2 miles northwest of the Site. The 160-acre site has been used by different companies since the 1940s to produce various products such as fireworks. Many of these companies used perchlorate in the production of goods and/or disposed of chlorate onsite. The plume has moved under and beyond the Site; however, because the depth to groundwater is deep (approximately 333 feet below ground surface), the contaminated groundwater is not expected to impact the Site. Previous activities at the Site did not contribute to the perchlorate contamination of the groundwater. Currently, the State Water Board is conducting hearings to determine who is responsible for paying cleanup costs, and when and how the responsible parties should investigate and clean up the perchlorate contamination. San Bernardino County has installed monitoring wells and conducted soil and groundwater investigations to determine the extent of the contamination. The City of Rialto has installed wellhead treatment facilities on three of its wells in and around the Rialto-Colton Groundwater Basin. The city has increased the pumping from these wells, and treats the water pumped from these wells to remove the perchlorate. Wells that have not been fitted with wellhead treatment facilities are out of service. Therefore, LFR does not believe the perchlorate plume represents an environmental concern to the Site.

Conclusions

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E1527-05 for Phase I ESAs and PREI's Environmental Site Assessment Scope of Work dated July 3, 2001. LFR identified no evidence of environmental concerns at the Site, and no further investigation is recommended at this time.

ACRONYMS

ACM	asbestos-containing material
APN	Assessor's Parcel Number
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
AWP	annual work plan
BEP	Bond Expenditure Program
Bgs	below ground surface
CA WDS	California Waste Discharge System
CalPip	California Department of Agriculture Databases
CalSites	CalSites Database
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
CHMIRS	California Hazardous Material Incident Report System
CIWMB	California Integrated Waste Management Board
CLEANERS	California DTSC Drycleaners List
COAL GAS	Former Manufactured Gas (Coal Gas)
CONSENT	EPA Regional Offices Superfund Consent Decrees
CORRACTS	Corrective Action Report
DEED	List of Deed Restrictions
DEH	Department of Environmental Health
DELISTED	EPA Delisted NPL
DHS	California Department of Health Services
DOGGR	California Division of Oil, Gas, and Geothermal Resources
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
EDR	Environmental Data Resources, Inc.
EHD	Environmental Health Division
EPA	U.S. Environmental Protection Agency

ERNS	Emergency Response Notification System
ESA	environmental site assessment
FID	Facility Inventory Database
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
FTTS	Federal Insecticide, Fungicide, & Rodenticide Act
HAZNET	Hazardous Waste Information System
LBP	lead-based paint
LFR	LFR Inc.
LQG	large quantity generator
LUST	leaking underground storage tank
MINES	Mines Master Index Files
MLTS	Material Licensing Tracking System
MSL	mean sea level
NPL	National Priority List
NPL Liens	Superfund Liens
NTIS	National Technical Information Service
OES	California Office of Emergency Services
PADS	PCB Activity Database
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
pC/l	picoCuries per liter of air
PID	photoionization detector
PLM	Polarized Light Microscopy
PMP	Property Mitigation Plan
PREI	Prudential Real Estate Investors
RAATS	RCRA Administrative Action Tracking System
RCRIS	Resource Conservation and Recovery Information System
ROD	Record of Decision
RWQCB	Regional Water Quality Control Board
SCS	Soil Conservation Service
SLIC	Spills, Leaks, Investigations and Cleanups
SQG	small quantity generator

SSTS	Section 7 Tracking Systems
SWAT	Solid Waste Assessment Test
SWF/LF (SWIS)	Solid Waste Information System
SWRCB	State Water Resources Control Board
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substance Control Act
TSD	Treatment, Storage and Disposal
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	underground storage tank
VAP	Voluntary Assistance Program
VCP	Voluntary Cleanup Program
VOCs	volatile organic compounds
WMUDS	Waste Management Unit Database

CONTENTS

EXECUTIVE SUMMARY i

ACRONYMS v

1.0 INTRODUCTION 1
- 1.1 Objective 1
- 1.2 Detailed Scope of Services 1
- 1.3 Significant Assumptions 2
- 1.4 Limitations and Exceptions 2
- 1.5 Special Terms and Conditions 3

2.0 SITE OVERVIEW 3
- 2.1 Site Location and Description 3
- 2.2 Site and Vicinity General Characteristics 3
- 2.3 Site Improvements 4
- 2.4 Topography 4
- 2.5 Geological Characterization 4
  - 2.5.1 Surface Features 4
  - 2.5.2 Subsurface Features 4
- 2.6 Hydrogeologic Characterization 4
  - 2.6.1 Surface Water 4
  - 2.6.2 Groundwater 4

3.0 USER-PROVIDED INFORMATION 5
- 3.1 Title Records 5
- 3.2 Owner, Property Manager, and Occupant Information 6
- 3.3 Reason for Performing Phase I 6
- 3.4 Other 6

4.0 SITE HISTORY 6
- 4.1 History of Property Use 6

4.2 Historical Records Review 7
4.2.1 Historical Aerial Photographs 7
4.2.2 Historical Topographic Maps 9
4.2.3 Historical City Directory Review 9
4.2.4 Historical Sanborn Maps 9
4.3 Agency File Review 10
4.3.1 San Bernardino County Fire Department, Hazardous Materials Division (HMD) 10
4.3.2 Santa Ana Regional Water Quality Control Board (RWQCB) 10
4.3.3 San Bernardino County Flood Control Department 10
4.3.4 City of Rialto 10
4.3.5 California Integrated Waste Management Board 11
4.4 Summary of Historical Information 11

5.0 SITE RECONNAISSANCE 11
5.1 Site Reconnaissance 11
5.1.1 Interviews with Persons Knowledgeable about the Site 12
5.1.2 Property Inspection 12
5.1.3 Hazardous Substances and Petroleum Products in Connection with Identified Uses 13
5.1.4 Storage Tanks 13
5.1.5 Odors 13
5.1.6 Pools of Liquid 13
5.1.7 Drums 13
5.1.8 Hazardous Substances and Petroleum Product Containers (Not Necessarily in Connection with Identified Uses) 13
5.1.9 Unidentified Substance Containers 13
5.1.10 PCBs 14
5.1.11 Pits, Ponds or Lagoons 14
5.1.12 Stained Soil or Pavement 14
5.1.13 Stressed Vegetation 14
5.1.14 Solid Waste 14
5.1.15 Wastewater 14
5.1.16 Wells 15

5.1.17 Septic Systems 15
5.1.18 Heating/Cooling 15
5.1.19 Stains or Corrosion 15
5.1.20 Drains and Sumps 15
5.1.21 Water Intrusion 15
5.1.22 Asbestos-Containing Materials (ACMs) 15
5.1.23 Lead–Based Paint (LBP) 15
5.1.24 Current Uses of Adjoining Properties 16

6.0 REGULATORY AGENCY RESEARCH 16
6.1 Published Government List Review 16
6.1.1 Federal Environmental Record Sources 16
6.1.2 California Environmental Record Sources 18
6.1.3 Non-ASTM Databases 20

7.0 FINDINGS 22
7.1 Known or Suspect Environmental Concerns 22
7.2 Historical Environmental Concerns 22
7.3 De Minimis Conditions 22

8.0 OPINION 22

9.0 CONCLUSIONS 22

10.0 DEVIATIONS/DATA GAPS 23

11.0 ADDITIONAL SERVICES 23

12.0 REFERENCES 23

13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS 25

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS 26

FIGURES

1 Site Vicinity Map
2 Site Plan

APPENDICES

A Site Photographs
B Historical Research Documentation
C Regulatory Records Documentation
D Supporting Documentation

1.0 INTRODUCTION

LFR Inc. (LFR) has prepared this Phase I environmental site assessment (ESA) report for the Olive Grove property, which consists of 31.61 acres of undeveloped land located near the northwest corner of the intersection of Baseline Road and Cactus Avenue in Rialto, San Bernardino County, California ("the Site"). The Site is proposed to be developed for commercial use.

This Phase I ESA was conducted on behalf of the Oakmont Industrial Group (Oakmont) in accordance with Prudential Real Estate Investors' (PREI) guidelines. PREI is a potential partner in this transaction. This report has been reviewed by Mr. Thomas S. Chandler, LFR's Deputy Prudential Coordinator for West Coast projects.

1.1 Objective

Oakmont requested that LFR conduct a Phase I ESA of the Site. The objective of the ESA was to identify recognized environmental conditions in connection with the property, to the extent feasible pursuant to the processes prescribed in American Society for Testing and Materials (ASTM) E-1527-05 and PREI's 2001 Environmental Site Assessment Scope of Work. The term *recognized environmental conditions* as defined by ASTM is the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or the material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater or surface water of the property. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Site and surrounding properties; and a Site visit conducted by LFR representatives. The report is intended to meet the requirements of ASTM and PREI's Environmental Site Assessment Scope of Work dated July 3, 2001.

1.2 Detailed Scope of Services

The Phase I ESA conducted by LFR included, but was not limited to, the following services:

- a reconnaissance-level Site visit to look for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for on-site releases of hazardous materials and petroleum products

- drive-by observations of adjacent properties and the site vicinity
- interviews with people familiar with the Site
- review of regulatory agency files
- review of historical documents
- preparation of a report presenting our findings including summary of conclusions

1.3 Significant Assumptions

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability. LFR also assumes that the information provided by the Client, regulatory database provider, and regulatory agencies is true and reliable.

1.4 Limitations and Exceptions

This document was prepared for the sole use of Oakmont, PREI, and their successors and assignees, and may be relied upon by such parties. No other party should rely on the information contained herein without the prior written consent of LFR, Oakmont, and PREI.

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR and the original party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days, in accordance with ASTM's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation E 1527-00, dated May 10, 2000); ASTM's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation E 1527-05, dated November 1, 2005); and/or the Code of Federal Regulations (CFR) Standards and Practices for All Appropriate Inquiries: Final Rule (40 CFR Part 312, dated November 1, 2005). After 180 days, and prior to using the information contained herein, the report should be updated in accordance with ASTM standards and federal regulations.

The findings presented in this report apply solely to site conditions existing at the time when LFR's assessment was performed. It must be recognized, however, that an ESA is intended for the purpose of evaluating the potential for contamination through limited

research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in ESA conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications or warranties (express or implied) that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations or standards.

1.5 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of polychlorinated biphenyls (PCBs) or the assessment of natural hazards such as naturally occurring asbestos, radon gas or methane gas, assessment of the potential presence of radionuclides, or assessment of non-chemical hazards such as the potential for damage from earthquakes or floods. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the Site or of the businesses operating at the Site, or a health-based risk assessment.

2.0 SITE OVERVIEW

2.1 Site Location and Description

The Site consists of one 31.61-acre parcel in the City of Rialto. The San Bernardino County Assessor's Office designates the Site with Assessor's Parcel Number (APN) 0264-211-18-0000.

2.2 Site and Vicinity General Characteristics

The Site Vicinity Map and Site Map with adjacent properties are presented as Figures 1 and 2, respectively. The Site is located near the northwest corner of the intersection of Baseline Road and Cactus Avenue. The surrounding area is residential and commercial. A former solid waste disposal site was located northeast of the Site. The properties to the northeast and east, including the former solid waste disposal site, were excavated as gravel pits. The gravel pits are now utilized as a flood control area by the San Bernardino County Flood Control Department. The Rialto Municipal airport is located approximately 0.4 mile distant from the northwest portion of the Site at its closest point.

2.3 Site Improvements

The Site is undeveloped land, and there are no Site improvements.

2.4 Topography

According to the United States Geological Survey (USGS) 7.5-Minute Series Topographic Map of the Fontana, California quadrangle (1967, photorevised 1980), the Site is located at an elevation approximately 1,360 to 1,375 feet above mean sea level (msl). The overall Site vicinity is sloped towards the southeast.

2.5 Geological Characterization

2.5.1 Surface Features

The Site is made up of undeveloped land that has a soil surface texture of gravelly-loamy sand and desert vegetation.

2.5.2 Subsurface Features

According to the database report compiled by Environmental Data Resources, Inc, (EDR), the geology of the Site is identified as part of the Quaternary Series of the Quaternary System and Cenozoic Era. According to the United States Department of Agriculture, Soil Conservation Service, the property is underlain by soils of the Hanford and Tujunga components. Hanford soils have moderate infiltration rates, and are moderately well and well-drained soils with moderately coarse textures. Tujunga soils have high infiltration rates, and are well drained to excessively drained sands and gravels.

It should be noted that LFR has not drilled soil borings at the Site, and the local and regional geologic conditions described herein are based solely on available literature regarding the area.

2.6 Hydrogeologic Characterization

2.6.1 Surface Water

There is no natural surface water onsite. According to the EDR report, the Site is located within a 500-year floodplain.

2.6.2 Groundwater

The City of Rialto maintains a water monitoring well at the southwest corner of the intersection of Baseline Road and Cactus Avenue (identified as Rialto-04), or within

0.1 mile of the Site. According to Mr. Peter Fox, Superintendent with the City of Rialto Water District, the depth to groundwater in this well is 333 feet below ground surface (bgs) when last measured in 2007. According to the City of Rialto, contaminants of concern in the groundwater in the area include perchlorate. However, the City of Rialto drinking water wells have been fitted with a wellhead treatment system, which was approved by the California Department of Health Services. The wellhead treatment system uses ion exchange technology to remove perchlorate from the water. The groundwater gradient is to the southeast.

According to the City of Rialto and the California Regional Water Quality Control Board, Santa Ana Region (RWQCB), the source of the perchlorate was an area known as the "160-acre site" and the Mid-Valley Sanitary Landfill, both located approximately 2 miles northwest of the Site. The 160-acre site has been used by different companies since the 1940s to produce various products such as fireworks. Many of these companies used perchlorate in the production of goods and/or disposed of chlorate onsite. The plume has moved under and beneath the Site; however, because the depth to groundwater is deep (333 feet bgs), the contaminated groundwater is not expected to impact the subject property. Previous activities at the Site did not contribute to the perchlorate contamination of the groundwater. Currently, the State Water Board is conducting hearings to determine who is responsible for paying cleanup costs, and when and how the responsible parties should investigate and clean up the perchlorate contamination. San Bernardino County has installed monitoring wells and conducted soil and groundwater investigations to determine the extent of the contamination. The City of Rialto has installed wellhead treatment facilities on three of its wells in and around the Rialto-Colton Groundwater Basin. The city has increased the pumping from those wells and treats the water from those wells until the level of perchlorate is below detection levels. Wells that have not been fitted with wellhead treatment facilities are out of service. Therefore, LFR does not believe the perchlorate plume represents an environmental concern to the Site. See Appendix D for copies of information from the City of Rialto and the RWQCB addressing this issue, including a map defining the boundaries of the plume.

3.0 USER-PROVIDED INFORMATION

Information pertaining to the Site provided by the User of this report is provided in this section. LFR provided Oakmont an ASTM User Questionnaire regarding the Site; however, the completed questionnaire had not been returned to LFR as of the publication date of this report.

3.1 Title Records

It is LFR's understanding that a title report will be reviewed by PREI as part of its due diligence activities; therefore, LFR did not acquire an environmental lien report as part of this Phase I ESA. However, LFR did not review any information with regard to the

Site during the course of our investigation that would indicate the property is encumbered by an environmental lien or an activity and use limitation.

3.2 Owner, Property Manager, and Occupant Information

The Site is owned by Lewis Operating Corporation, a residential and commercial developer, and currently consists of undeveloped land.

3.3 Reason for Performing Phase I

The reason for performing this Phase I ESA was to evaluate the Site for the presence of environmental concerns in preparation for a property transfer.

3.4 Other

LFR was not provided with any other information regarding the Site.

4.0 SITE HISTORY

4.1 History of Property Use

LFR reviewed the historical usage of the Site and adjacent properties to assess whether prior owners of the Site or adjacent properties may have conducted activities that could pose environmental concerns to the Site. LFR's research included reviewing historical aerial photographs, historical topographic maps, historical Sanborn Fire Insurance Maps (Sanborn maps), and local agency records associated with the Site, and conducting personal interviews with people familiar with the Site. LFR's sources of information included the following:

- Black-and-white aerial photographs dated 1930, 1938, 1953, 1966, 1977, 1990, 1994, and 2002 were provided by EDR. Copies of these aerial photographs are included in Appendix B.

- Historical U.S. Geological Survey (USGS) topographic maps including the 1901 San Bernardino quadrangle, 15-minute series; 1901 Southern California Sheet 1 quadrangle, 60-minute series; 1954 San Bernardino quadrangle, 15-minute series; 1966 (with 1980 photorevision) Devore quadrangles, 7.5-minute series; 1967 (with 1973 and 1980 photorevisions) Fontana quadrangles, 7.5-minute series; and 1996 Devore quadrangle, 7.5-minute series were provided by EDR. The 1966 (with 1980 photorevision) and 1996 Devore quadrangle maps show the region just north of the Site. Copies of the topographic maps are provided in Appendix B.

- A City Directory Abstract covering the years intermittently from 1986 to 2006 was reviewed. A copy of the City Directory Abstract is included in Appendix B.

- Sanborn maps were not available for the Site and vicinity.

4.2 Historical Records Review

The following sections present the results of LFR's historical record's review including aerial photographs, topographic maps, city directories, and agency information pertaining to the Site.

4.2.1 Historical Aerial Photographs

Historical aerial photographs were provided by EDR for the years 1930, 1938, 1953, 1966, 1977, 1990, 1994, and 2002. The photographs were reviewed to identify former land use on and in the vicinity of the Site. The photographs consisted of low-altitude, black-and-white photographs. Brief descriptions of the Site and vicinity, as observed in the aerial photographs, are presented below.

1930

In this photograph, the Site is depicted as vacant land. Baseline Road is visible south of the Site, followed by vacant land. Vacant land is also present to the north, east, and west of the Site. An unnamed drainage wash is visible northeast of the Site.

1938

The 1938 photograph depicts the Site as agricultural land. The vacant land previously depicted to the west and north of the Site is developed for agricultural use, while land to the east and south of the Site continues to be vacant. No structures are present on the Site or adjacent properties. The drainage wash is still visible northeast of the Site.

1953

In the 1953 photograph, the Site is depicted as agricultural or vacant land. A dirt road is visible along the north Site boundary, and the drainage wash previously depicted north of the Site appears overgrown. The vacant property to the east of the Site appears to have been excavated, while the vacant land previously depicted to the south of the Site has been divided into sections for agricultural use. Properties to the west of the Site continue to be agricultural or vacant land.

1966

The 1966 photograph depicts the Site as vacant land with scattered vegetation. Vacant land is present north of the Site, and vacant or agricultural land is shown west of the Site. Agricultural land is depicted south of the Site. The excavation area remains visible east of the Site; however, it appears either less active than previously depicted or no longer active. The drainage wash previously depicted north of the Site no longer

appears to receive runoff since it is overgrown and the streambeds are not as visible. Houses and other buildings are depicted further to the northeast and southeast of the Site.

1977

In the 1977 photograph, the Site appears to be vacant and overgrown with vegetation. An unidentified dirt road runs through the property. Land to the north of the Site is depicted as vacant and covered in vegetation. The excavation area continues to be visible east of the Site, but has not grown in size. More houses are depicted further to the east of the Site. Properties south of the Site remain agricultural, as previously depicted. Buildings are visible on the southeast adjacent property. Ayala Drive is visible west of the Site. The property located west of the Site remains either agricultural or vacant land. The Rialto Municipal Airport (Miro Field) is depicted approximately 0.4 mile northwest of the Site at its closest point.

1990, 1994, and 2002

In the 1990, 1994, and 2002 photographs, the Site appears to be vacant land. Gridlines have been plowed into the Site, and unidentified trails and dirt roads are depicted throughout the property. The east adjacent property appears to have been excavated and is used for water runoff. The residential area depicted further east of the Site has been expanded. Large circular water tanks are visible approximately 0.2 mile southeast of the Site in the 1994 and 2002 photographs. These water tanks are associated with the San Bernardino County Water District. Properties located south of the Site are depicted as residential areas. Buildings and Fitzgerald Avenue are depicted west of the Site. The Rialto Municipal Airport, located northwest of the Site, appears to have been enlarged.

Summary

The Site appears to have been used for agricultural purposes from at least 1938 until the 1960s. No structures are depicted on the Site. The surrounding area appears to have been mostly agricultural or vacant up until 1966, when evidence of residential and commercial areas is first visible to the northeast, east, and southeast of the Site. Excavation of the east adjacent property occurred approximately from the 1950s until as late as 1990. An unnamed drainage wash is depicted northeast of the Site until the 1950s. It appears to return to its original state in the 1990s. As late as the 1970s, the majority of the surrounding area was either in agricultural production or vacant land.

The prior agricultural use of the Site and surrounding areas indicates the potential presence of residual pesticides and herbicides in Site soils. However, if these materials were applied in an approved manner in a homogeneous application across the property, it is unlikely that their use would trigger regulatory intervention. Grading during future development would also rework the soil at the Site, reducing the impact of these substances, if present. In addition, no evidence of pesticide mixing or storage areas

was evident onsite. Therefore, LFR does not believe the previous usage of the property for agricultural purposes represents an environmental concern to the Site.

4.2.2 Historical Topographic Maps

Historical topographic maps reviewed included the 1901 San Bernardino quadrangle, 15-minute series; 1901 Southern California Sheet 1 quadrangle, 60-minute series; 1954 San Bernardino quadrangle, 15-minute series; 1966 (with 1980 photorevisions) Devore quadrangles, 7.5-minute series; 1967 (with 1973 and 1980 photorevision) Fontana quadrangle, 7.5-minute series; and 1996 Devore quadrangle, 7.5-minute series and were provided by EDR. The 1966 (with 1980 photorevisions) and 1996 Devore quadrangle maps show the region just north of the Site.

The 1901 map depicts the Site as undeveloped land. The 1954 map depicts the Site and the land to the south and west used for agricultural purposes. Gravel pits are depicted bordering the Site to the northeast. Miro-Fontana Airport is depicted approximately 0.5 mile northwest of the Site at its closest point. The Lytle Creek Wash is depicted approximately 1.5 miles northeast of the Site at its closest point. On the 1967, 1973, and 1980 photorevision maps, the Site is depicted as undeveloped land. Gravel pits are depicted bordering the Site to the northeast and east. A well is depicted approximately 0.25 mile southeast of the Site. Using both the Fontana and Devore quadrangle maps for the 1980 photorevisions, the Rialto Municipal Airport (Miro Field) is depicted approximately 0.5 mile northwest of the Site, and a well is depicted approximately 0.75 mile north of the Site.

No features of environmental concern to the Site were depicted on the topographic maps reviewed.

4.2.3 Historical City Directory Review

LFR requested a City Directory Abstract from EDR. The City Directories cover the years from 1986 through 2006 in 5-year intervals. As the Site does not have a street address, there were no listings for the Site. A target search was made on an adjacent property to the west of the Site. The only listings were for the properties to the west of the Site on Fitzgerald Avenue during the covered period, when the addresses 1240, 1245, 1260, 1265, 1280, 1285, and 1320 Fitzgerald Avenue were listed as office buildings and commercial properties. No other off-site properties were identified.

4.2.4 Historical Sanborn Maps

LFR requested that EDR perform a search of available Sanborn Fire Insurance Maps for the site vicinity. Sanborn maps were originally generated in the late 1800s to mid-1900s to document possible fire hazards related to the types of building structures and their general use. No Sanborn maps were found for the Site and vicinity.

4.3 Agency File Review

4.3.1 San Bernardino County Fire Department, Hazardous Materials Division (HMD)

The Site location was not identified in HMD records based on a review of local agency records provided in the EDR database report. As the Site has not been assigned a street address, a written request was not submitted to the HMD.

4.3.2 Santa Ana Regional Water Quality Control Board (RWQCB)

As the Site has not been assigned a street address, a written request was not submitted to the RWQCB.

4.3.3 San Bernardino County Flood Control Department

LFR contacted the San Bernardino County Flood Control Department in order to obtain information regarding the flood control area located on the adjacent property to the east of the Site. This flood control area is located in the Cactus Basin. According to the San Bernardino County Flood Control Department, the property has been in their possession since the 1940s.

4.3.4 City of Rialto

According to the City of Rialto and the RWQCB, groundwater in the City of Rialto has been impacted with perchlorate. The source of the perchlorate was a 160-acre site and the Mid-Valley Sanitary Landfill, both located approximately 2 miles northwest of the Site. The 160-acre site has been used by different companies since the 1940s to produce various products such as fireworks. Many of these companies used perchlorate in the production of goods and/or disposed of chlorate onsite. The plume has moved under and beyond the Site; however, because the depth to groundwater is deep (333 feet bgs), the contaminated groundwater is not expected to impact the Site. Previous activities at the Site did not contribute to the perchlorate contamination of the groundwater. Currently, water board hearings are being conducted by the State Water Board to determine who is responsible for paying cleanup costs, and when and how the responsible parties should investigate and clean up the perchlorate contamination. San Bernardino County has installed monitoring wells and conducted soil and groundwater investigations to determine the extent of the contamination. The City of Rialto has installed wellhead treatment facilities on three of its wells in and around the Rialto-Colton Groundwater Basin. The city has increased the pumping from those wells and treats the water from those wells until perchlorate is non-detect. Wells that have not been fitted with wellhead treatment facilities are out of service. Therefore, LFR does not believe the perchlorate plume represents an environmental concern to the Site. See Appendix D for a copy of a map outlining the boundaries of the plume.

4.3.5 California Integrated Waste Management Board

The former Cactus Dump was located approximately 0.10 mile northeast of the Site. The dump accepted solid waste and was closed in 1956. According to topographic maps, discussions with City of Rialto personnel, and visual observations, the dump was excavated and then overexcavated for gravel pits sometime after 1956. According to the California Integrated Waste Management Board (CIWMB), Cactus Dump (SWIS number 36-CR-0006) was a solid waste disposal site. It does not list any inspection records or enforcement action records. The CIWMB lists the operation status of Cactus Dump as closed. Therefore, based on the fact that the contents of the dump were excavated and that the area continued to be mined for gravel, this former dump does not appear to represent an environmental concern to the Site.

4.4 Summary of Historical Information

Based on LFR's historical research, the Site was in agricultural use as early as 1938. The Site has been vacant from the 1960s until present. No structures were identified on the Site. The surrounding area was mostly agricultural from at least 1930 to the 1990s. Residential and commercial development began in the surrounding area in the1960s. Cactus Dump, a solid waste disposal site, was located approximately 0.1 mile northeast of the Site. Cactus Dump closed in 1956. Gravel pits were excavated on the properties to the north and east of the Site, including where the former Cactus Dump was located, in the 1950s. After excavation, the gravel pit area was utilized as a flood control area by the San Bernardino County Flood Control Department for surface water runoff. The presence of these former features does not appear to present an environmental concern to the Site, based on agency research and current uses.

5.0 SITE RECONNAISSANCE

5.1 Site Reconnaissance

On November 6, 2007, Ms. Shauna Head and Ms. Dana Brodie, representatives of LFR, performed a reconnaissance-level assessment of the Site to observe general site conditions and indications of the possible release(s) of chemicals to the subsurface. A walkover site inspection was conducted to identify visible evidence of recognized environmental conditions. Ms. Head and Ms. Brodie were unaccompanied during the site walk. Photographs taken during LFR's site inspection are included in Appendix A. All photographs were taken on November 6, 2007 rather than January 25, 2005, as shown on the photographs.

5.1.1 Interviews with Persons Knowledgeable about the Site

LFR was able to obtain information regarding the Site from Mr. Erren O'Leary, Vice President with Lewis Operating Corporation, the Site owner. Information obtained from the interview is included in relevant sections of this report.

5.1.2 Property Inspection

On the day of LFR's site inspection, the 31.61-acre Site consisted of undeveloped desert terrain that generally sloped downward to the southeast. The Site was fenced along the perimeter except at the northeast corner. Vegetation consisting of desert scrub up to approximately 2 to 3 feet high was observed throughout the property. Non-hazardous debris in the form of plastic, glass, tires, a couch, fabric, and paper were observed scattered throughout the Site. LFR also observed a pile of empty "Megaplex X Grease 2" 14-ounce containers near the northeast corner of the Site. No surface staining was observed.

Pathways approximately 25 to 30 feet across were plowed in a grid pattern north-south and east-west throughout the Site and along the perimeter of the Site for use as a firebreak. Smaller dirt trails were observed around the northwest end of the Site. Mounds of soil (some including concrete rubble) approximately 5 to 6 feet in height were observed along the east boundary of the Site. According to the owner of the Site, Shea Homes was allowed to dispose on the Site excess soil generated during construction of Shea Homes' residential development at the southeast corner of Baseline Road and Cactus Avenue, approximately 0.25 mile southeast of the Site. The Site owner provided a Phase I ESA and Limited Phase II report for the Shea Homes property that stated the prior use of that property was agricultural. Therefore, four soil samples were collected and analyzed for organochlorine pesticides (see Appendix D for a sample location figure). No pesticides were detected at concentrations above the EPA Preliminary Remediation Goal (PRG) for a residential scenario. Based on these analytical results, it does not appear that the soil mounds on site represent an environmental concern for the Site.

No evidence of the disposal of hazardous materials or surface staining was observed.

During the inspection, no distressed vegetation (other than from water stress), monitoring wells or remediation systems were observed at the Site. There was no evidence of current ASTs, USTs, pits, ponds or sumps on the Site.

As the Site is undeveloped land, asbestos-containing materials, lead-based paint, and microbial amplification are not considered a concern to the Site.

5.1.3 Hazardous Substances and Petroleum Products in Connection with Identified Uses

LFR investigated the presence of hazardous substances or petroleum products in connection with the Site. LFR did not identify any hazardous substances or petroleum products onsite.

5.1.4 Storage Tanks

No current or historical petroleum or chemical USTs or ASTs are known to be associated with the Site. No evidence of USTs such as vent pipes, fill pipes or access ways was identified during this investigation.

5.1.5 Odors

No readily noticeable strong, pungent or noxious odors were identified during this investigation.

5.1.6 Pools of Liquid

No readily visible areas of standing surface water, pools or sumps containing liquids likely to be hazardous substances or petroleum products were identified during this investigation.

5.1.7 Drums

LFR did not observe any drums located onsite.

5.1.8 Hazardous Substances and Petroleum Product Containers (Not Necessarily in Connection with Identified Uses)

Empty 14-ounce containers labeled "Megaplex X Grease 2" were found discarded in a pile on the northeast end of the Site. LFR has no reason to believe that the product was used onsite, and no surface staining was observed beneath the containers; therefore, these containers are not considered an environmental concern to the Site.

No other containers of hazardous substances or petroleum products were identified during this investigation.

5.1.9 Unidentified Substance Containers

No opened or damaged containers with unidentified contents suspected of being hazardous substances or petroleum products were identified during this investigation.

5.1.10 PCBs

During the site visit, LFR looked for electrical or hydraulic equipment known to contain PCBs or likely to contain PCBs. No equipment likely to contain PCBs was observed during this investigation.

5.1.11 Pits, Ponds or Lagoons

During the site visit, LFR looked for pits, ponds or lagoons on the subject property. LFR also looked for pits, ponds, and lagoons on adjoining properties to the extent that such features were visually and/or physically observed from the Site or identified in the interviews or records review. LFR did not observe any ponds or lagoons on either the Site or adjoining properties. However, historic gravel pits, which are now utilized as flood control areas, are located adjacent to the northeast and east of the Site. The pit to the east of the Site is behind a fence. Neither area appears to be impacting the Site.

5.1.12 Stained Soil or Pavement

LFR did not observe stained soil or pavement during the site investigation.

5.1.13 Stressed Vegetation

During the site visit, LFR looked for areas of stressed vegetation (from other than insufficient water). No areas of stressed vegetation were observed during this investigation.

5.1.14 Solid Waste

During the site visit, LFR looked for areas that were apparently filled or graded by non-natural causes (or filled with material of unknown origin) suggesting trash construction debris, demolition debris or other solid waste disposal, or mounds or depressions suggesting trash or other solid waste disposal. These types of areas were not observed during LFR's site investigation.

5.1.15 Wastewater

During the site visit, LFR looked for wastewater or other liquids (including storm water) or any discharge into a drain, ditch, underground injection system or stream on or adjacent to the Site. Wastewater was not observed discharging into any drains or underground injection systems.

5.1.16 Wells

During the site visit, LFR looked for wells including dry wells, irrigation wells, injection wells, monitoring wells, abandoned wells or other wells. No wells were observed during this investigation.

5.1.17 Septic Systems

During the site visit, LFR looked for indications of on-site septic systems or cesspools. No on-site septic systems or cesspools were observed during this investigation.

5.1.18 Heating/Cooling

LFR did not observe any heating/cooling sources, as there are no buildings onsite.

5.1.19 Stains or Corrosion

No evidence of stains or corrosion was observed at the Site.

5.1.20 Drains and Sumps

No drains or sumps were observed onsite.

5.1.21 Water Intrusion

As there are no structures on the Site, no evidence of water intrusion or microbial amplification was observed during the site visit.

5.1.22 Asbestos-Containing Materials (ACMs)

LFR observed some broken concrete piping of unidentified origin in the soil mounds located on the east end of the Site. Concrete irrigation piping has the potential to contain Transite™. It is also possible that Transite™ piping is buried in the subsurface, if the Site was previously irrigated. LFR recommends that the disposal of this piping, if encountered during site development, be handled in accordance with regulatory guidelines.

5.1.23 Lead–Based Paint (LBP)

As the Site is undeveloped, no materials suspected of containing LBP were observed.

5.1.24 Current Uses of Adjoining Properties

LFR performed a drive-by reconnaissance of adjacent properties to observe businesses that may use, store, generate or dispose of hazardous materials. The adjacent properties are identified on Figure 2, and are described below:

- **North:** Jerry Eaves Park and dry flood control area
- **East:** Dry flood control area
- **South:** Baseline Road followed by residential area
- **West:** Vacant lots and commercial buildings

Based on their current uses, none of the adjacent properties are likely to represent an environmental concern to the Site. As a result, LFR recommends no further investigation.

6.0 REGULATORY AGENCY RESEARCH

6.1 Published Government List Review

Regulatory agency database information was obtained from the EDR Radius Map Report, which maps and lists properties in U.S. government and California state environmental databases with existing conditions or status that may have the potential to impact the Site. The EDR report is provided as Appendix C.

6.1.1 Federal Environmental Record Sources

ASTM E 1527-05 guidance requires review of the following federal databases:

National Priorities List (NPL; 1.0 mile)

The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. An NPL site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the U.S. Department of Health and Human Services and the U.S. EPA. *Source: U.S. EPA.*

No properties listed on the NPL database are located within 1.0 mile of the Site.

Proposed NPL (1.0 mile)

The Proposed NPL is a listing of sites being considered for NPL status. *Source: U.S. EPA.*

No Proposed NPL properties are listed within 1.0 mile of the Site.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS, 0.5 mile)

CERCLIS contains data on potentially hazardous waste sites that have been reported to the U.S. EPA by states, municipalities, private companies, and private persons pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The CERCLIS List includes sites that are either proposed for the National Priorities List (NPL) or in the screening and assessment phase for possible inclusion on the NPL. *Source: U.S. EPA/National Technical Information Service (NTIS).*

There are no CERCLIS properties listed within a 0.5-mile radius of the Site.

CERCLIS-No Further Remedial Action Planned (CERCLIS-NFRAP, 0.5 mile)

CERCLIS-NFRAP contains data on sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be place on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. *Source: U.S. EPA/ NTIS.*

There are no properties listed on the CERCLIS-NFRAP database within 0.5-mile of the Site.

Corrective Action Report (CORRACTS, 1.0 mile)

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. *Source: U.S. EPA.*

No facilities listed on the CORRACTS database are located within a 1.0-mile radius of the Site.

Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Facilities (0.5 mile)

RCRIS includes selected information on facilities that generate, transport, store, treat and/or dispose of hazardous waste, as defined by the Resource Conservation and Recovery Act (RCRA). *Source: U.S. EPA/NTIS.*

There are no properties listed on the RCRIS TSD database located within 0.5 mile of the Site.

RCRA Generators Lists (Site and adjoining)

RCRIS large quantity generators (LQG) are those facilities that generate at least 1,000 kilograms per month (kg/month) of non-acutely hazardous waste or meet other applicable RCRA requirements. RCRIS small quantity generators (SQG) generate between 100 and 1,000 kg/month of hazardous waste.

There are no properties listed on the RCRA-LQG database within a 0.25-mile radius of the Site. There are no properties listed on the RCRA-LQG or -SQG databases adjoining the Site.

Emergency Response Notification System (ERNS, target property)

ERNS is a national database that records and stores information on reported releases of oil and hazardous substances. The database contains information on spill reports made to federal authorities including the U.S. EPA, U.S. Coast Guard, National Response Center, and Department of Transportation.

There are no listed properties on the Site.

6.1.2 California Environmental Record Sources

ASTM E 1527-05 requires review of the following state databases.

EnviroStor (EnviroStor, 1.0 mile)

EnviroStor is maintained by the Department of Toxic Substance Control and includes similar information that was provided in the AWP and Cal-Sites databases. *Source: Department of Toxic Substance Control (DTSC).*

There are no properties listed on the EnviroStor database within 1.0 mile of the Site.

California Hazardous Material Incident Report System (CHMIRS, Target Property)

CHMIRS contains information on reported hazardous material incidents (accidental releases or spills). No update of this list is planned. *Source: California Office of Emergency Services (OES).*

The Site is not listed on the CHMIRS database.

Cortese List (0.5 mile)

This database contains summary information pertaining to contaminated sites in California. The sites for the list are designated by the State Water Resources Control Board (leaking underground storage tanks [LUSTs]), the California Integrated Waste

Management Board (SWF/LF [see below]), and the DTSC (Cal-Sites). *Source: Cal/EPA/Office of Emergency Information.*

There are no properties listed on the Cortese database within a 0.5-mile radius of the Site.

Leaking Underground Storage Tank Information System (LUST, 0.5 mile)

The LUST database is a list of reported leaking UST incidents compiled by the State Water Resources Control Board (SWRCB). *Source: State Water Resources Control Board.*

There are no properties on the LUST database that are listed within 0.5 mile of the Site.

SWF/LF, Solid Waste Information System (SWIS, 0.5 mile)

This database is an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites. *Source: California Integrated Waste Management Board.*

There is one facility on the SWF/LF database located within 0.5 mile of the Site:

- **Cactus Dump** was located approximately 0.1 mile northeast of and hydraulically cross/downgradient to the Site, and is listed on the SWF/LF database. The landfill was a solid waste disposal site that closed in 1956. Based on its distance from the Site, hydraulic location with respect to groundwater flow, and closed status, this listing is not anticipated to pose an environmental concern to the Site. In addition, this dump was excavated for gravel pits after it closed in 1956.

Toxic Pits Cleanup Act Sites (TOXIC PITS, 1.0 mile)

This list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. No update of this list is planned. *Source: SWRCB.*

There are no Toxic Pits properties listed within 1.0 mile of the Site.

Hazardous Substance Storage Container Database (UST and Hist UST) and Facility Inventory Database (CA FID UST) (Site and adjoining)

These databases are historical listings of UST sites and active and inactive underground storage tank locations. Local and county sources have current UST information. *Sources: SWRCB for UST/Hist UST, Cal/EPA for FID.*

There is one facility listed on the UST and Hist UST databases:

- The historic UST was owned by **West San Bernardino County Water District** and was located at 855 West Baseline Road (approximately 0.15 mile southeast of the Site at its closest point). The UST was installed in 1975 and contained unleaded gasoline. The currently listed UST is also owned by San Bernardino County Water District, and is located at the same address as the historic UST. No leaks were reported from these USTs. It is possible that they are either the same UST or that the historic UST was replaced by the currently listed UST. The USTs are downgradient from the Site. Based on the distance and hydraulic location with respect to groundwater flow, these listings are not anticipated to pose an environmental concern to the Site.

No facilities are listed on the CA FID database.

Waste Management Unit Database System (WMUDS/SWAT, 0.5 mile)

This system is used by the SWRCB for tracking and inventory of waste management units. WMUDS comprises the following databases: facility information, scheduled inspections information, waste management unit information, Solid Waste Assessment Test (SWAT) program information, SWAT report summary information, SWAT report summary data, Chapter 15 information and monitoring parameters, TPCA program information, RCRA program information, closure information, and interested parties information. *Source: SWRCB.*

There are no listed properties within 0.5 mile of the Site.

6.1.3 Non-ASTM Databases

The following non-ASTM databases were also checked by EDR:

- CONSENT [EPA Regional Offices Superfund Consent Decrees (1 mile)]
- ROD [Records of Decision (1 mile)]
- DELISTED [NPL EPA Delisted NPL (1 mile)]
- FINDS [Facility Index System (target property)]
- HMIRS [Hazardous Materials Information Reporting Systems (target property)]
- MLTS [Material Licensing Tracking System (target property)]
- MINES [Mines Master Index Files (0.25-mile)]
- NPL LIENS [Superfund Liens (target property)]
- PADS [PCB Activity Database System (target property)]
- DOD [Department of Defense Site (1 mile)]
- RAATS [RCRA Administrative Action Tracking System (target property)]
- TRIS [Toxic Chemical Release Inventory System (target property)]

- TSCA [Toxic Substances Control Act (target property)]
- SSTS [Section 7 Tracking Systems (target property)]
- FTTS [FIFRA/TSCA Tracking System (target property)]
- AST [Aboveground Petroleum Storage Tank Facilities (target property)]
- CLEANERS [California DTSC Drycleaners (0.25-mile)]
- CA WDS [Waste Discharge System (target property)]
- DEED [List of Deed Restrictions (target property)]
- SCH [School Property Evaluation Program (0.25-mile)]
- EMI [Emissions Inventory Data (target property)]
- CA SLIC [Spills, Leaks, Investigation & Cleanup Cost Recovery Listing (0.25-mile)]
- HAZNET [Hazardous Materials Database (0.25-mile)]
- Manufactured Gas Plants (Coal Gas) (1.0-mile)]
- US BROWNFIELDS [A Listing of Brownfield Sites (0.5-mile)]
- WIP [Well Investigation Program (0.25-mile)]
- VCP [Voluntary Cleanup Program Properties (0.25-mile)]
- San Bernardino County Permit (0.25-mile)

One site is listed on the HAZNET database within 0.25 mile of the Site. **Sudhakar Company** is located at 1450 N. Fitzgerald Avenue, approximately 0.1 mile northwest of the Site. The facility is listed as disposing of "other organic solids."

Four sites located within 0.25-mile of the Site are listed on the San Bernardino County Fire Department Hazardous Materials Division database. **Affordable Cabinet Refacing** is located at 1240 N. Fitzgerald Avenue, approximately 0.05 mile west of the Site. The facility has a San Bernardino County permit as a limited quantity generator. The facility is listed as active, and no violations were reported. The **Sudhakar Company** is located at 1450 N. Fitzgerald Avenue, approximately 0.1 mile northwest of the Site. The facility has San Bernardino County permits for generator (26 to 50 employees) and hazmat handler (26 to 50 employees). The facility is listed as active, and no violations were reported. **Klaers Aviation** is located at 1462 N. Fitzgerald Avenue, approximately 0.15 mile northwest of the Site. The facility has San Bernardino County permits for special handler and special generator. The facility is listed as active, and no violations were reported. **7-Eleven #33442** is located at 1276 W. Baseline Road, approximately 0.2 mile west of the Site. The facility has San Bernardino County permits for hazmat handler (UST only) and a UST ownership/ operating permit. The facility is listed as active, and no violations were reported. Based on their non-adjacent locations, the fact that none of the facilities are listed as a site of known or suspected contamination, and the depth to area groundwater (333 feet bgs), LFR does not believe that these nearby facilities represent an environmental concern to the Site.

In conclusion, no properties within their respective search distances were listed on the above databases that would appear to present an environmental concern for the Site. In addition, no facilities were listed on the Orphan Summary that would appear to present an environmental concern for the Site.

7.0 FINDINGS

This section discusses known or suspect environmental concerns, historical environmental concerns, and *de minimis* conditions identified during the conduct of this ESA.

7.1 Known or Suspect Environmental Concerns

LFR did not identify any known or suspected environmental concerns in connection with the Site during the conduct of this Phase I ESA.

7.2 Historical Environmental Concerns

LFR identified no historical environmental concerns during this Phase I ESA.

7.3 De Minimis Conditions

LFR identified the following *de minimis* condition during this Phase I ESA.

- Care should be taken during development activities to look for subsurface features such as irrigation piping. LFR observed unidentified concrete piping onsite. Concrete irrigation pipes have the potential to contain Transite™ and there is a potential for it to be buried in the subsurface. If Transite™ piping is discovered, it should be properly handled and disposed of.

8.0 OPINION

The findings noted above do not indicate environmental concerns in connection with the Site.

9.0 CONCLUSIONS

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E 1527-05 for Phase I ESAs and the PREI's requirements for Phase I ESAs. This assessment has revealed no evidence of environmental concerns in connection with the Site, and no further investigation is recommended at this time.

10.0 DEVIATIONS/DATA GAPS

No deviations from the ASTM practice or significant data gaps were identified during the conduct of this Phase I ESA.

11.0 ADDITIONAL SERVICES

No additional services were provided as part of this Phase I ESA.

12.0 REFERENCES

California Division of Water Resources, Division of Planning and Local Assistance. 1992. *Groundwater Level Data, 01S05W02G001S*. Retrieved November 9, 2007 from California Division of Water Resources Web Site: http://wdl.water.ca.gov/gw/hyd/rpt_hydrograph_data_CF.cfm?wellNumber=01S05W02G001S

———. 2000. *Groundwater Level Data, 01S05W11F001S*. Retrieved November 9, 2007 from California Division of Water Resources Web Site: http://wdl.water.ca.gov/gw/hyd/rpt_hydrograph_data_CF.cfm?wellNumber=01S05W11F001S

California Regional Water Quality Control Board, Santa Ana Region (RWQCB). 2003. *Cleanup and Abatement Order No. R8-2003-0013, County of San Bernardino, Solid Waste Management Division, City of Rialto, San Bernardino County*. January 17.

California Water Boards. 2007. *Citizen's Guide to the Water Board Hearings on Perchlorate in Rialto*. Retrieved November 13, 2007 from California Water Boards Web Site: http://www.waterboards.ca.gov/wqpetitions/docs/a1824rialto/citizensguide_eng.pdf

City of Rialto. 2006a. *Maximum Perchlorate Concentrations (μg/L) in Groundwater between 2005 and 2006* (map). Retrieved November 8, 2007 from City of Rialto Web Site: http://www.ci.rialto.ca.us/plume-map.pdf

———. 2006b. *The 160 Acre Site*. Retrieved November 12, 2007 from City of Rialto Web Site: http://www.ci.rialto.ca.us/water_2612.php

Environmental Data Resources, Inc. (EDR). 2007a. EDR Historical Topographic Maps. November 6.

———. 2007b. EDR Radius Map #02070422.2r. November 6.

———. 2007c. EDR City Directory Abstract. November 7.

———. 2007d. EDR Historical Aerial Photographs #2070422.5. November 7.

LOR Geotechnical Group, Inc. 2004. *Phase I Environmental Site Assessment and Limited Site Characterization, Chen Property, Sec West Baseline Road and Cactus Avenue, Rialto, San Bernardino County, California.* September.

13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This document was prepared by the undersigned of LFR Inc.

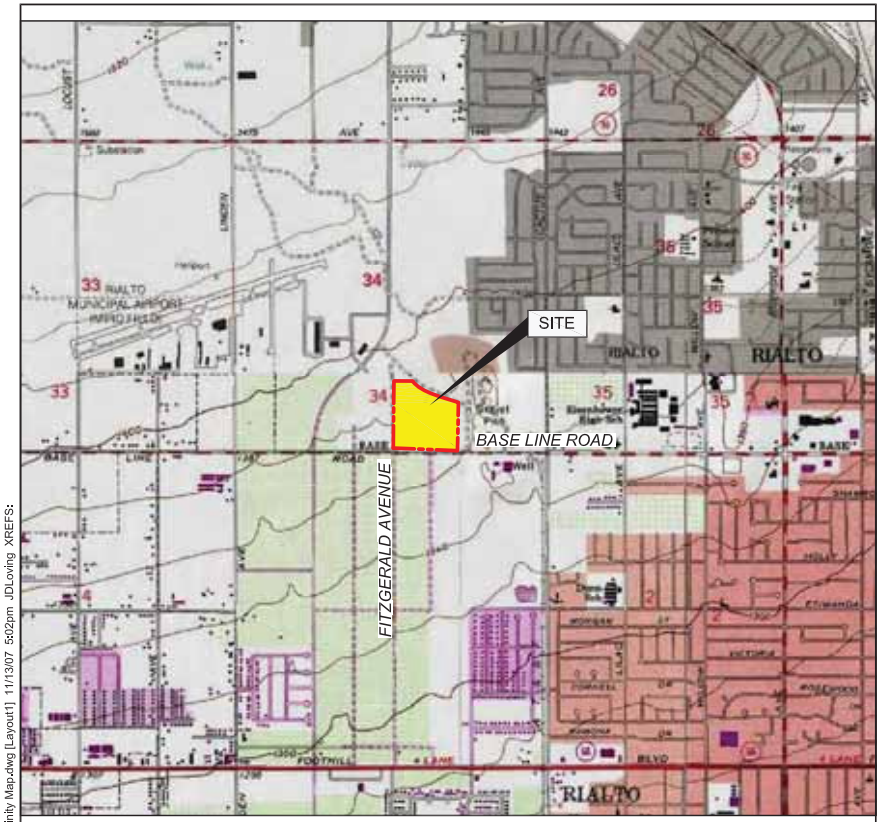
November 14, 2007
Dana Brodie — Date
Staff I Geologist

November 14, 2007
Janet Holtz, REA #04488 — Date
Senior Associate

November 14, 2007
Thomas S. Chandler — Date
Principal Engineer

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The resumes for LFR staff that contributed to this project are included on the following pages.



MAP SOURCE: National Geographic Holdings, TOPO! 2001, Guasti, CA, 1980.

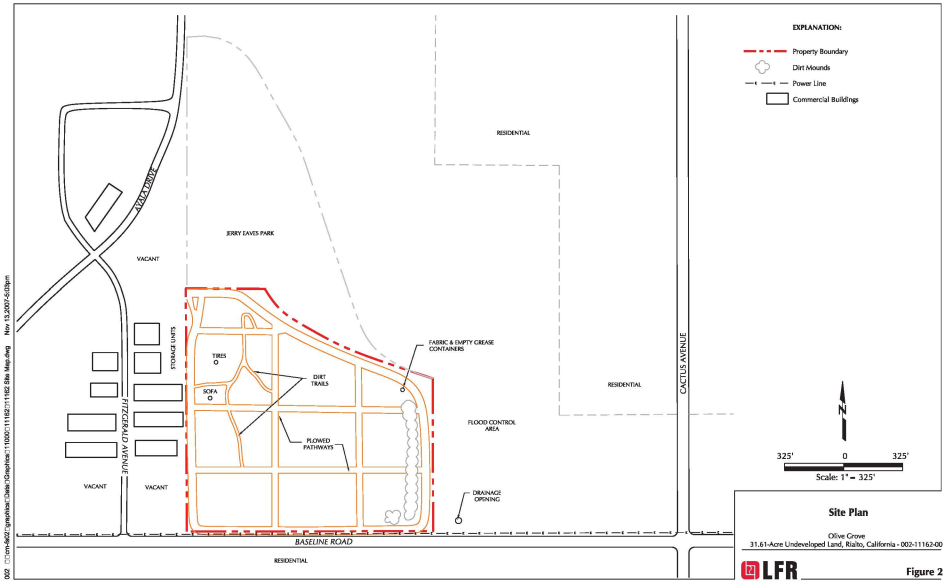
CM: □□cm-fs02□graphics□Data□Graphics□11000□11162□11162 Vicinity Map.dwg [Layout1] 11/13/07 5:02pm JDLoving XREFS:

Vicinity Map

Olive Grove
31.61-Acre Undeveloped Land Rialto, California - 002-11162-00

LFR

Figure 1



Site Plan

Olive Grove
31.61-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 2

002 □□cm-fs02\projects\act\Data\Graphics\11100\11162\11162 Site Map.dwg Nov 13,2007-5:09pm

APPENDIX A

Site Photographs

1. View of the Site looking north.

2. View of the Site looking northeast.

3. View of the Site looking east.

4. View of the Site looking southeast.

5. View of the Site looking south.

6. View of the Site looking southwest.

7. View of the Site looking west.

8. View of the Site looking northwest.

9. View of desert vegetation and miscellaneous non-hazardous debris on the northwest of the Site.

10. View of tires on the northwest of the Site.

11. View of flag on the northwest of the Site.

12. View of dirt path on the northwest of the Site.

13. View of dirt path on the northwest of the Site.

14. View of fabric and grease containers located on the northeast of the Site.

15. View of soil piles on the east of the Site.

16. View of broken concrete sidewalk and soil piles on the east of the Site.

17. View of soil piles on the east of the Site.

18. View of plowed area on the south of the Site.

19. View of the park located adjacent to the north of the Site.

20. View of the park and property located adjacent to the north of the Site.

21. View of the property located adjacent to the northeast of the Site.

22. View of the property located adjacent to the east of the Site.

23. View of the property located adjacent to the east of the Site.

24. View of the property located adjacent to the east of the Site.

25. View of Baseline Road and residential area located adjacent to the south of the Site.

26. View of vacant lot followed by commercial buildings located adjacent to the west of the Site.

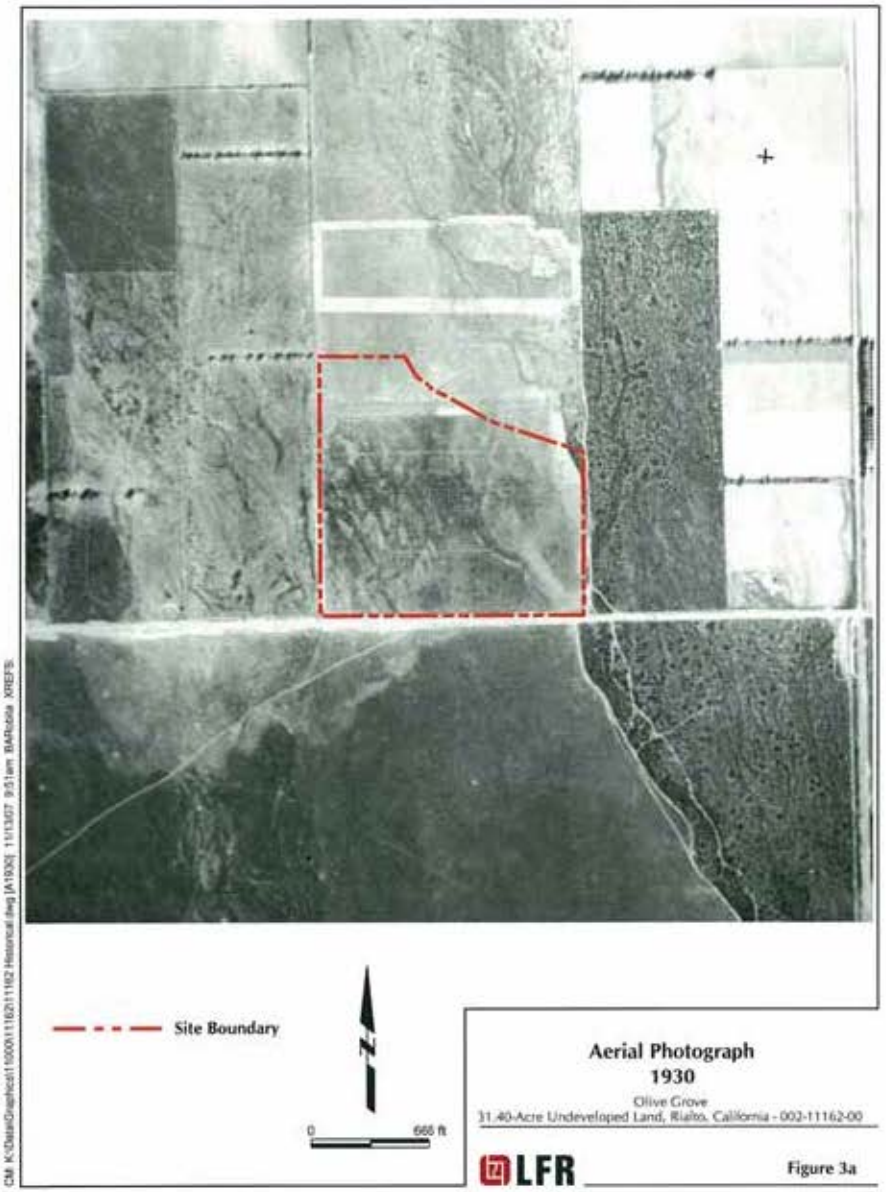
27. View of commerical buildings located adjacent to the west of the Site.

28. View of storage units and commercial buildings located adjacent to the west of the Site.

29. View of vacant lot located adjacent to the northwest of the Site.

APPENDIX B

Historical Research Documentation

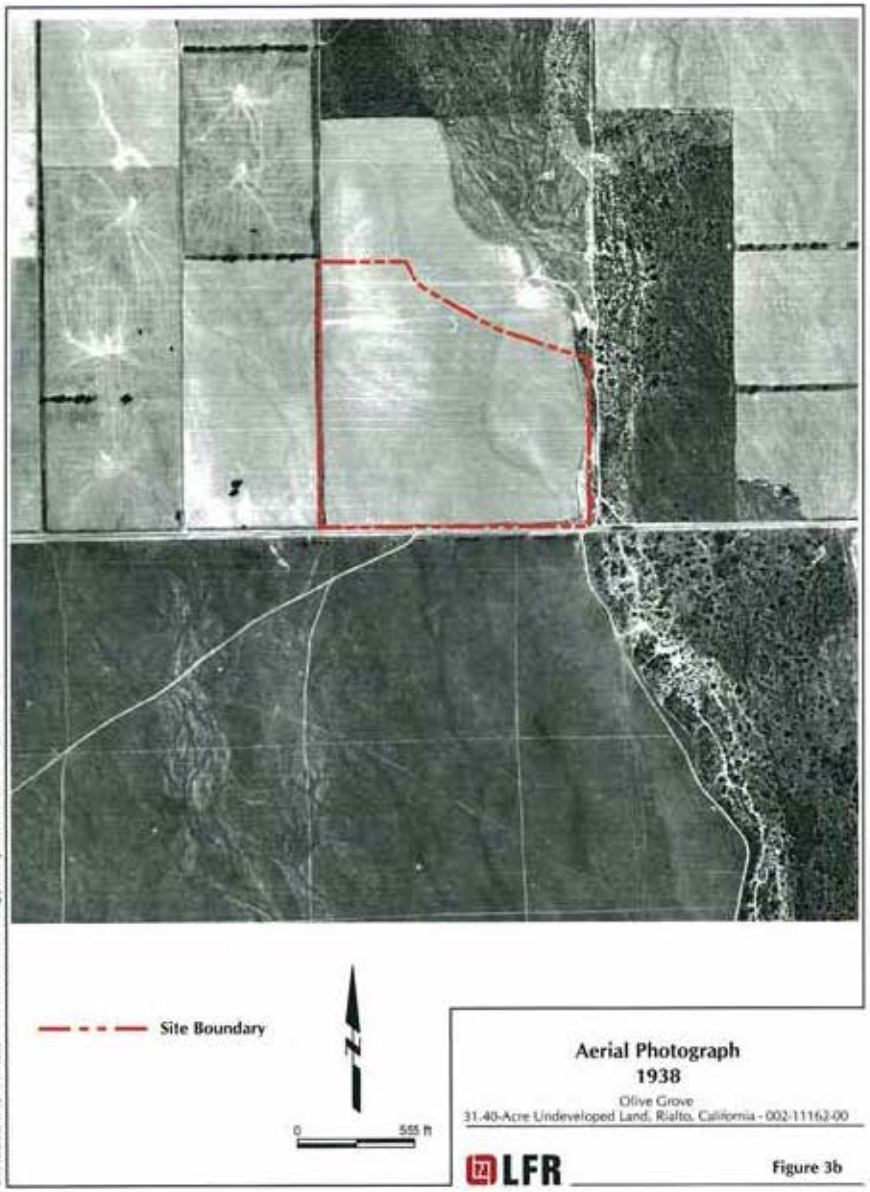


Aerial Photograph
1930

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3a

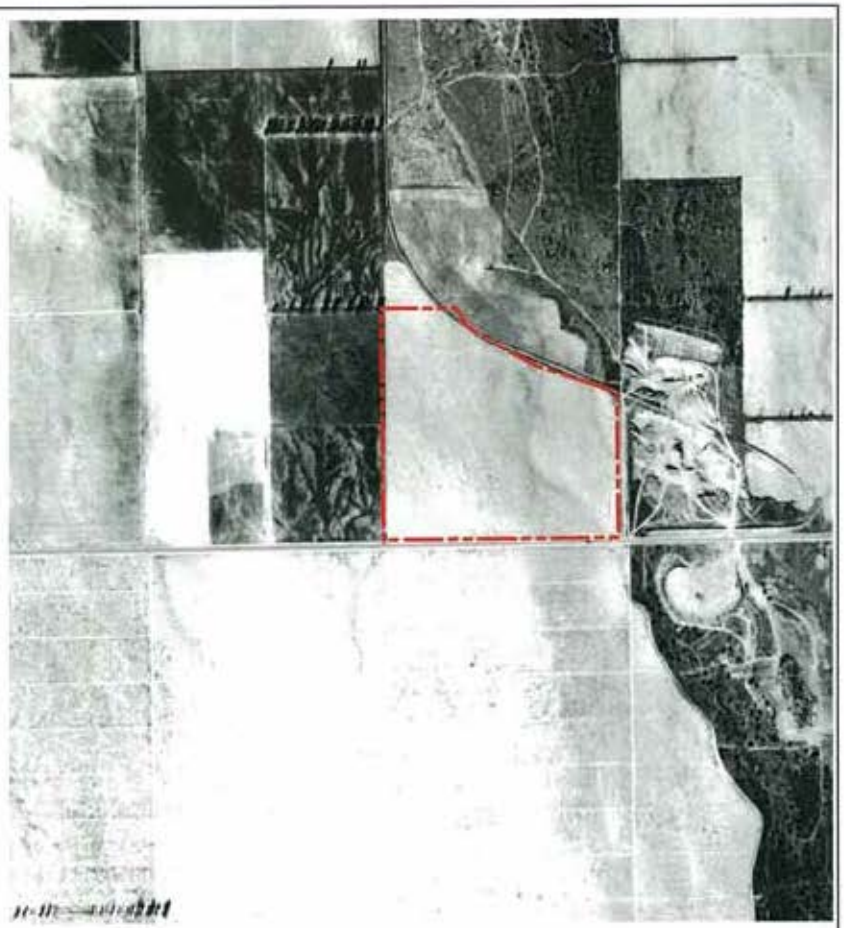


Aerial Photograph
1938

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3b



Site Boundary

N

0 505 ft

Aerial Photograph
1953
Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3c

Site Boundary

N

0 668 ft

Aerial Photograph
1966
Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3d

Site Boundary

N

0 666 ft

Aerial Photograph
1977

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3e

Site Boundary

N

0 666 ft

Aerial Photograph
1990

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3f

Site Boundary

N

0 666 ft

Aerial Photograph
1994

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3g

Site Boundary

N

0 666 ft

Aerial Photograph
2002

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 3h

Historical Topo
1901

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

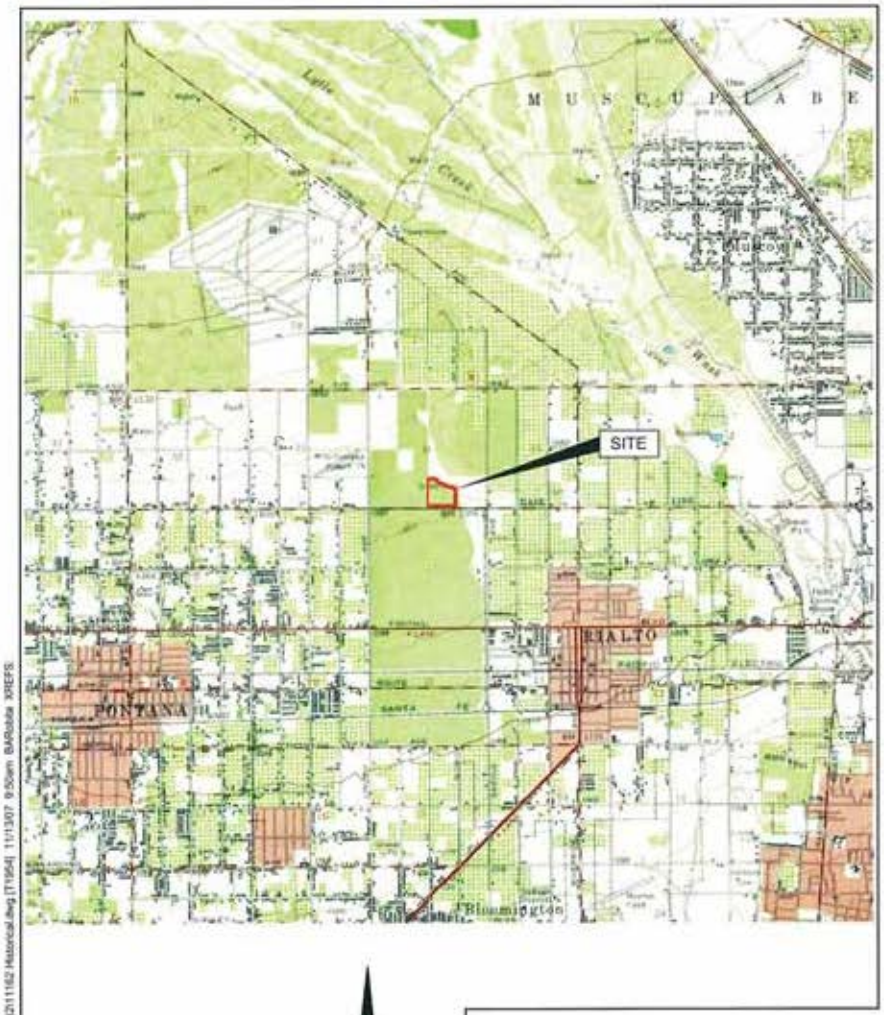
Figure 4a

Historical Topo
1901

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 4b



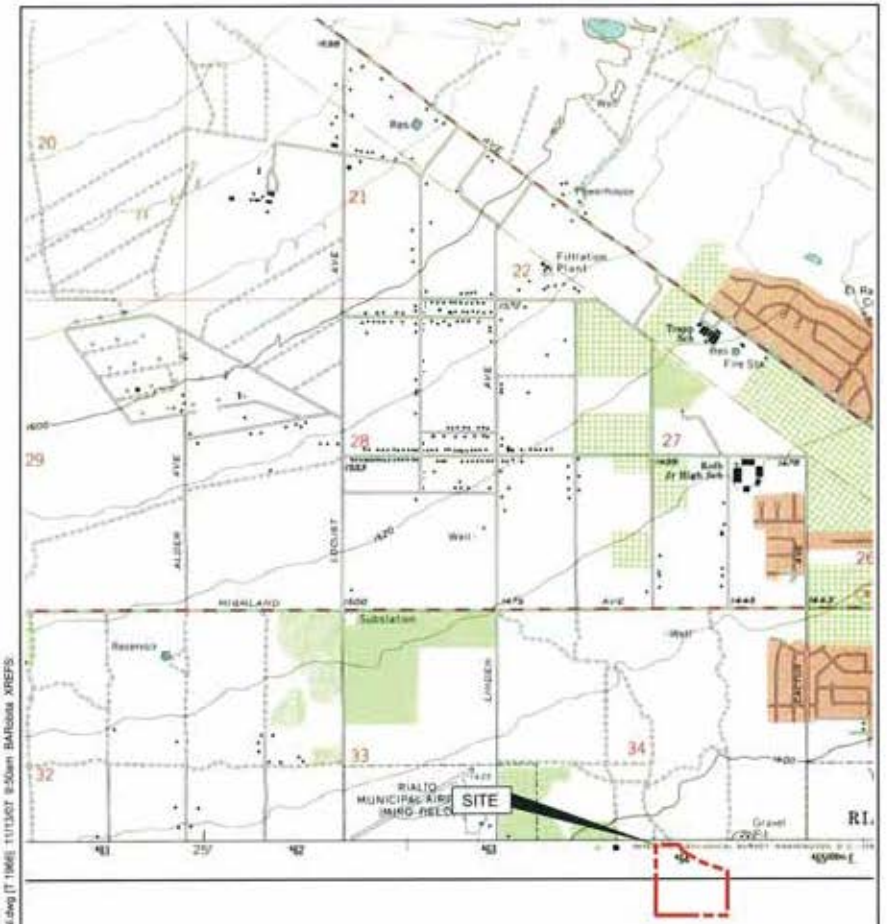
0 5208 ft.

Historical Topo
1954

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 4c



Site Boundary

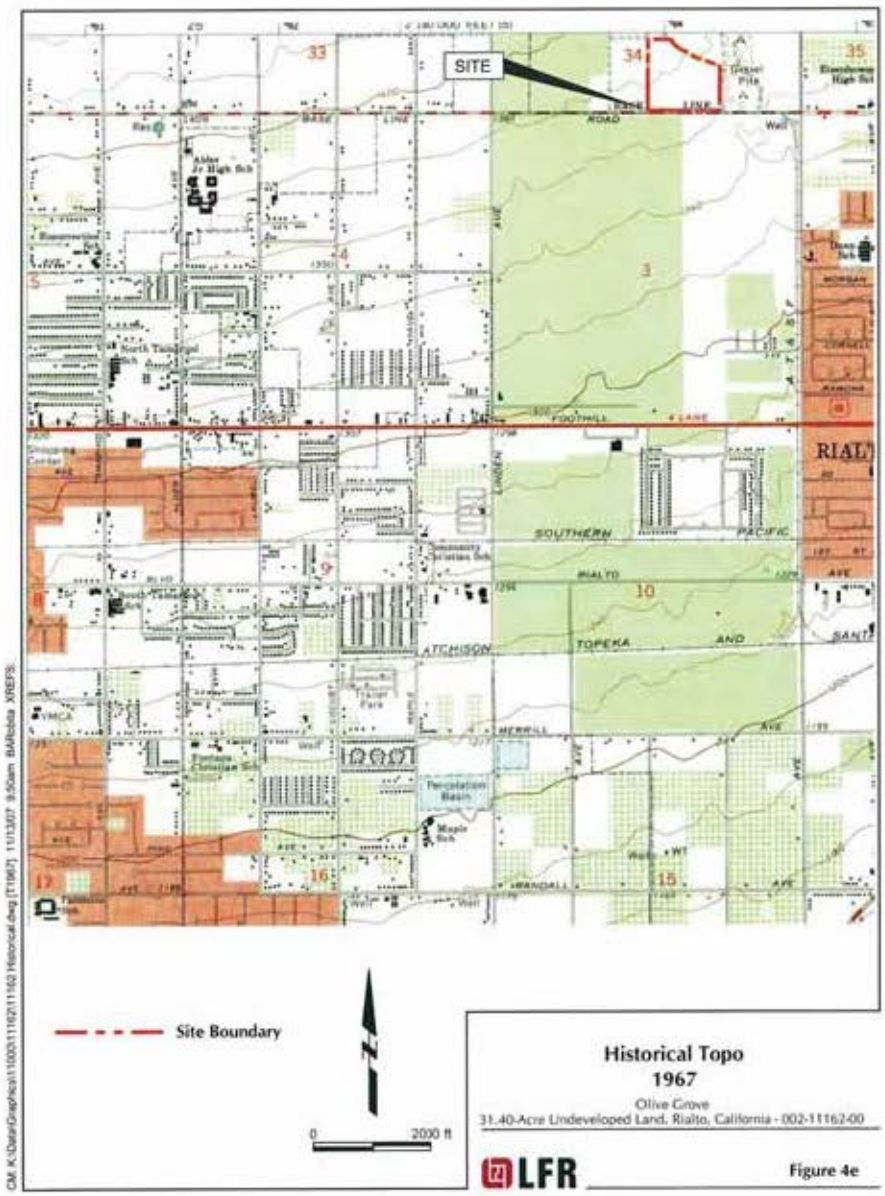
0 2000 ft

Historical Topo
1966

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

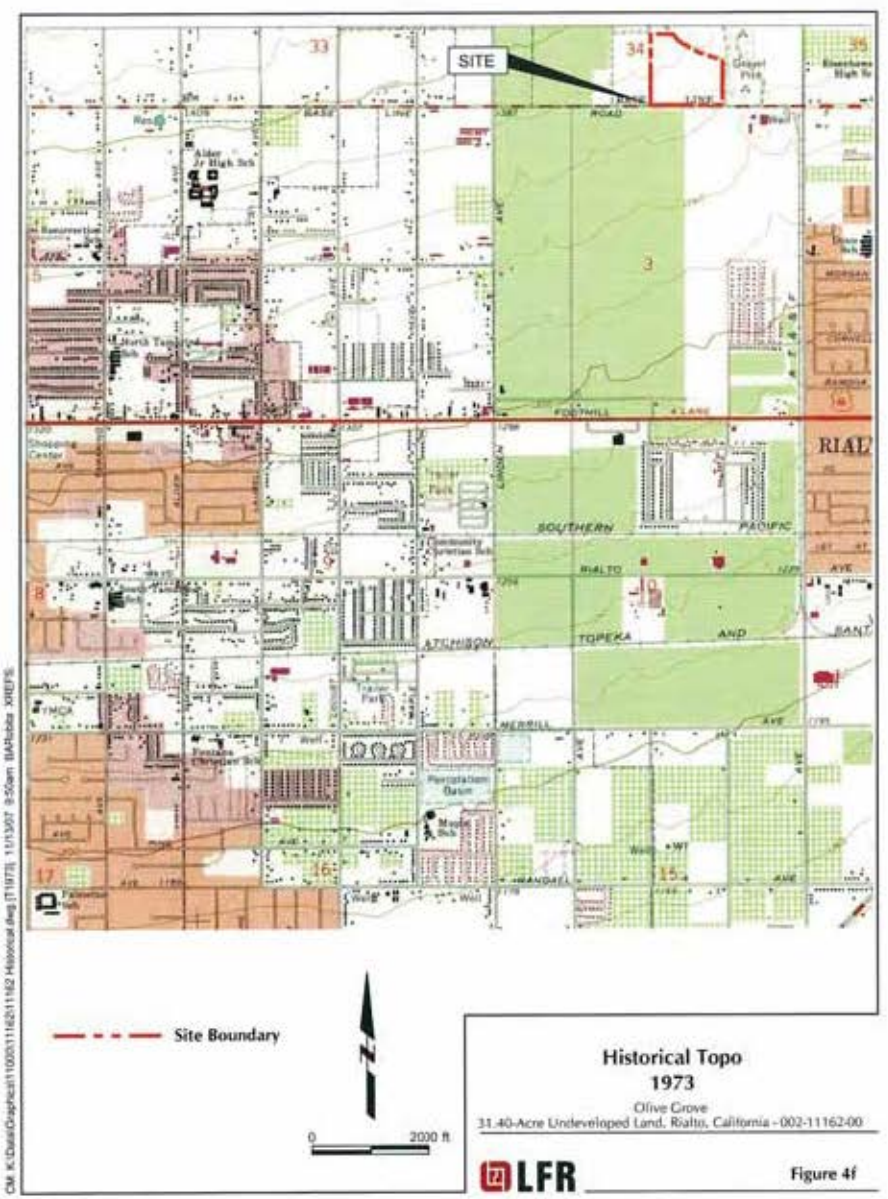
Figure 4d



Historical Topo
1967
Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

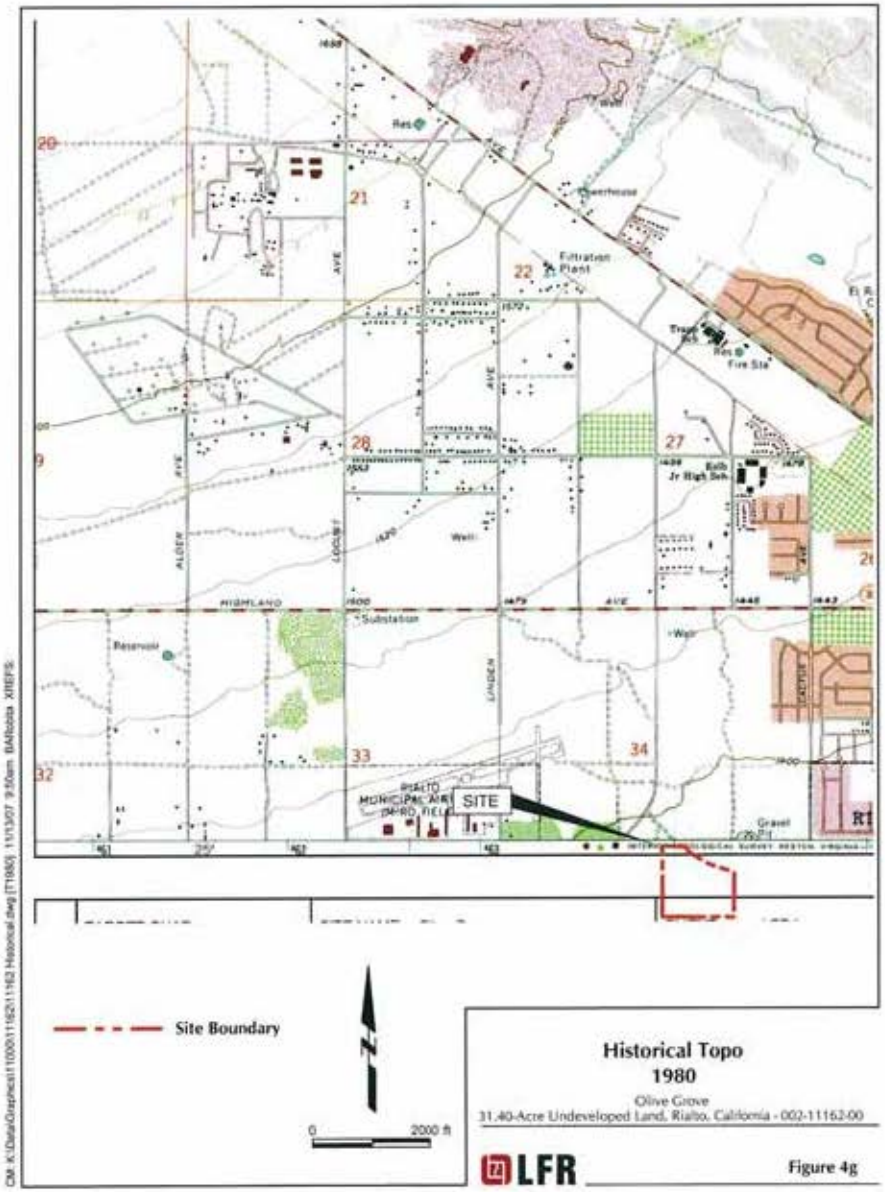
Figure 4e



Historical Topo
1973
Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 4f

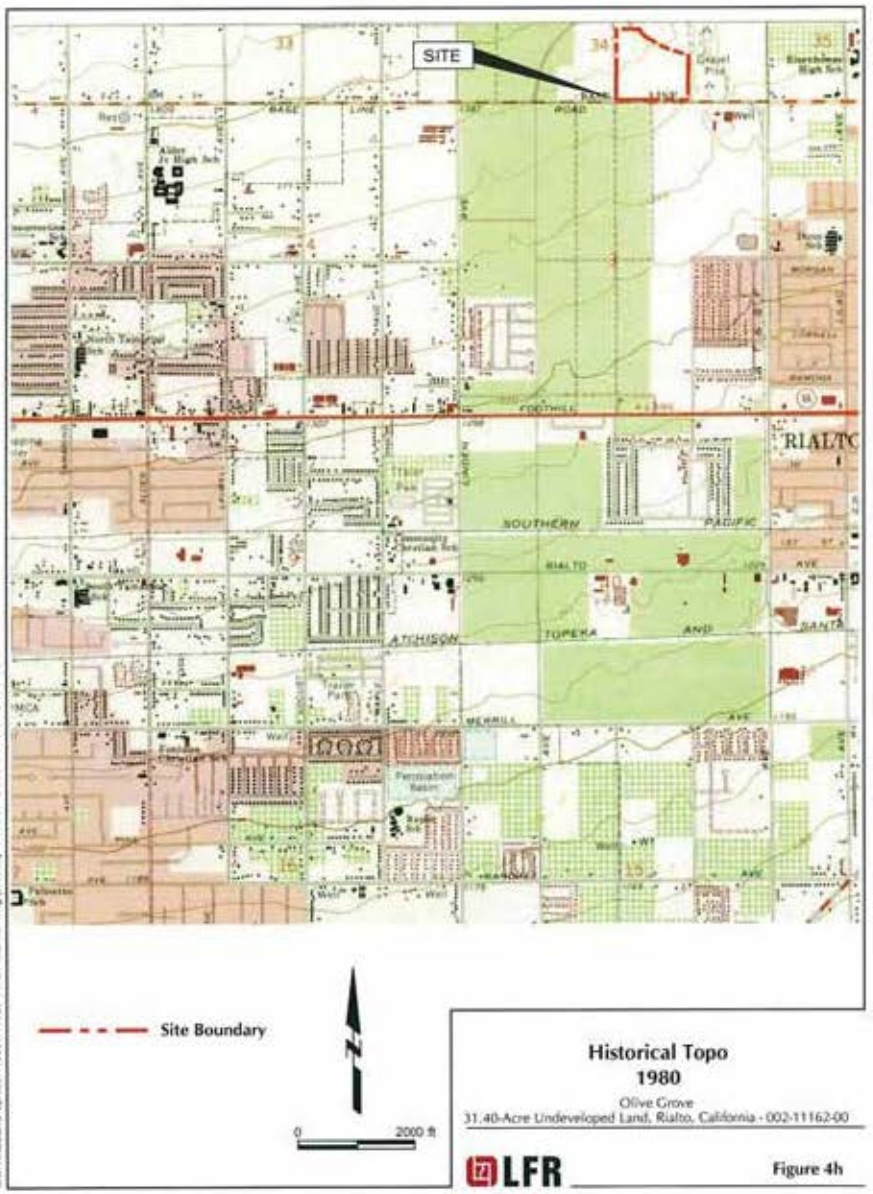


Historical Topo
1980

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 4g



Historical Topo
1980

Olive Grove
31.40-Acre Undeveloped Land, Rialto, California - 002-11162-00

LFR

Figure 4h

The EDR-City Directory
Abstract

Olive Grove
1265 N Fitzgerald Avenue
Rialto, CA 92376

Inquiry Number: 2070422.6

Wednesday, November 07, 2007

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1986 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

APPENDIX C

Regulatory Records Documentation

The EDR Radius Map
with GeoCheck®

Olive Grove
Fitzgerald Avenue/Base Line Road
Rialto, CA 92376

Inquiry Number: 02070422.2r

November 06, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	11
Government Records Searched/Data Currency Tracking	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	A-41

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

FITZGERALD AVENUE/BASE LINE ROAD
RIALTO, CA 92376

COORDINATES

Latitude (North):	34.122700 - 34° 7' 21.7"
Longitude (West):	117.390200 - 117° 23' 24.7"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	464016.8
UTM Y (Meters):	3775634.8
Elevation:	1377 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34117-B4 DEVORE, CA
Most Recent Revision:	1968
South Map:	34117-A4 FONTANA, CA
Most Recent Revision:	1988

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report

RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information
RCRA-SQG..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System
HMIRS..... Hazardous Materials Information Reporting System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
US BROWNFIELDS..... A Listing of Brownfields Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS..... Section 7 Tracking Systems
DOT OPS..... Incident and Accident Data
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ICIS..... Integrated Compliance Information System
LUCIS..... Land Use Control Information System
US CDL..... Clandestine Drug Labs
RADINFO..... Radiation Information Database
LIENS 2..... CERCLA Lien Information
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites..... Historical Calsites Database
CA BOND EXP. PLAN..... Bond Expenditure Plan
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CA WDS..... Waste Discharge System
WMUDS/SWAT..... Waste Management Unit Database
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
SWRCY..... Recycler Database
LUST..... Geotracker's Leaking Underground Fuel Tank Report
CA FID UST..... Facility Inventory Database
SLIC..... Statewide SLIC Cases
AST..... Aboveground Petroleum Storage Tank Facilities
LIENS..... Environmental Liens Listing
SWEEPS UST..... SWEEPS UST Listing
CHMIRS..... California Hazardous Material Incident Report System
Notify 65..... Proposition 65 Records
DEED..... Deed Restriction Listing
VCP..... Voluntary Cleanup Program Properties
CLEANERS..... Cleaner Facilities
WIP..... Well Investigation Program Case List

CDL..... Clandestine Drug Labs
RESPONSE..... State Response Sites
HAZNET..... Facility and Manifest Data
EMI..... Emissions Inventory Data
ENVIROSTOR..... EnviroStor Database
HAULERS..... Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the forgoing analysis.

STATE AND LOCAL RECORDS

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 09/10/2007 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
CACTUS DUMP (RIALTO)	E 1/2,NE 1/4 OF S3, T1S	0 - 1/8 NE	2	6

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/10/2007 has revealed that there is 1 UST

site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
DI-WEST SAN BDNO CWD	855 W BASE LINE RD	1/8 - 1/4 E	A3	7

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
WEST SAN BERNARDINO CO. WATER	855 W BASE LINE RD	1/8 - 1/4 E	A4	8

DEHS Permit System: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 06/27/2007 has revealed that there are 4 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

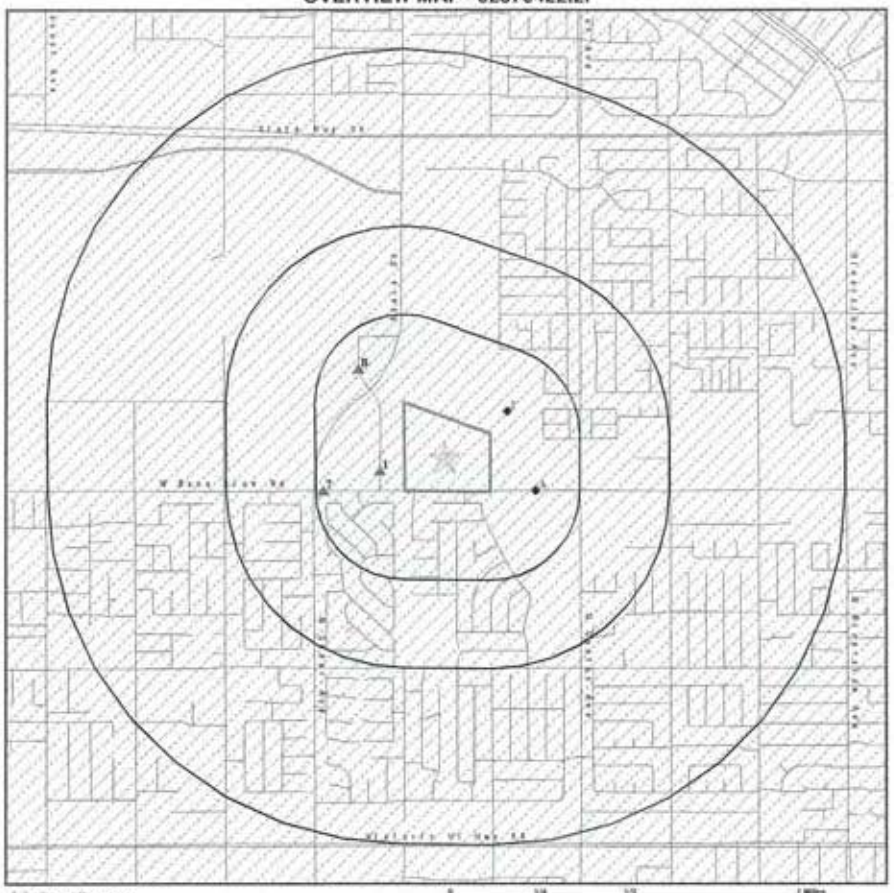
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
AFFORDABLE CABINET REFACING	1240 N FITZGERALD AVE #	0 - 1/8 W	1	6
SUDHAKAR COMPANY	***1450 N FITZGERALD AVE***	***1/8 - 1/4 NW***	***B5***	***8***
KLAERS AVIATION	1462 N FITZGERALD AVE	1/8 - 1/4 NW	B6	9
7-ELEVEN #33442	1276 W BASELINE RD	1/8 - 1/4 W	7	9

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
2359 SOUTH RIVERSIDE AVE	CHMIRS, SLIC
ENER TECH ENVIRONMENTAL CALIFORNIA LLC	SWF/LF
ROMERO'S MACHINE SHOP	San Bern. Co. Permit
DYNAMIC POWDER COATING	San Bern. Co. Permit

OVERVIEW MAP - 02070422.2r



This report includes interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Olive Grove	CLIENT: LFR Inc
ADDRESS: Fitzgerald Avenue/Base Line Road	CONTACT: Dana Brodie
Rialto CA 92376	INQUIRY #: 02070422.2r
LAT/LONG: 34.1227 / 117.3902	DATE: November 06, 2007 10:54 am

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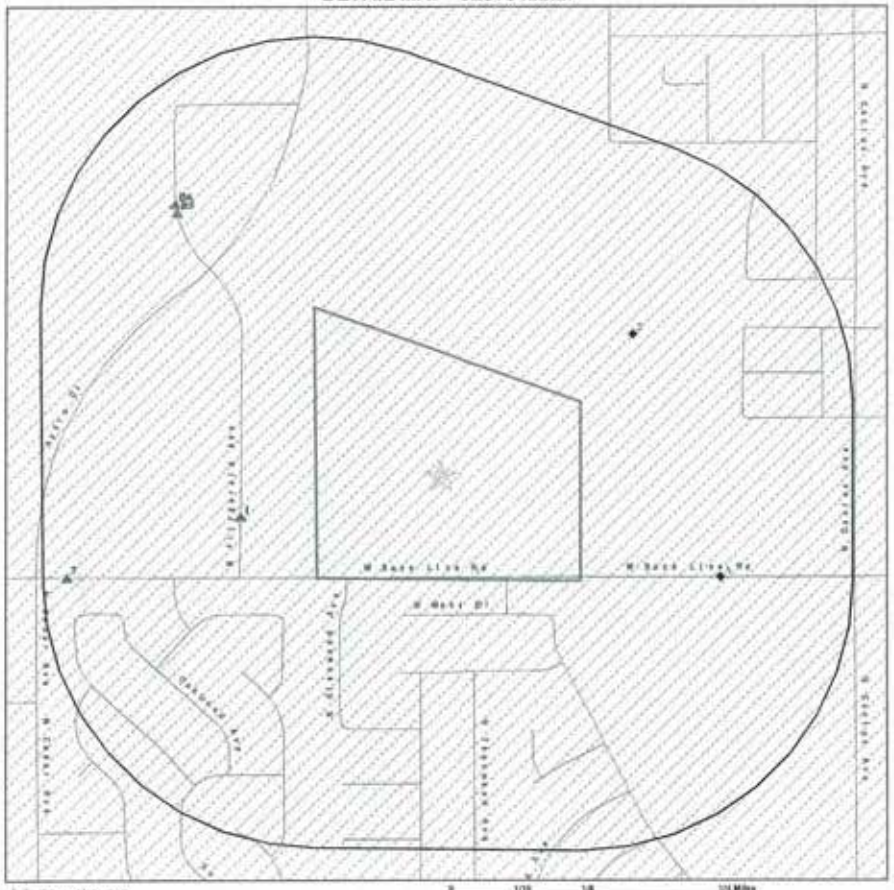
DETAIL MAP - 02070422.2r



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Olive Grove	CLIENT: LFR Inc
ADDRESS: Fitzgerald Avenue/Base Line Road Rialto CA 92376	CONTACT: Dana Brodie
LAT/LONG: 34.1227 / 117.3902	INQUIRY #: 02070422.2r DATE: November 06, 2007 10:54 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RAD/NFO		TP	NR	NR	NR	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
Hist Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	1	0	0	NR	NR	1
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Corlese		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	1	NR	NR	NR	1
HIST UST		0.250	0	1	NR	NR	NR	1
AST		0.250	0	0	NR	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
San Bern. Co. Permit		0.250	1	3	NR	NR	NR	4
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

1
West
< 1/8
364 ft.

AFFORDABLE CABINET REFACING — **San Bern. Co. Permit** — **S107030291** / **N/A**
1240 N FITZGERALD AVE #104
RIALTO, CA 92376

Relative: Higher

Actual: 1380 ft.

San Bern. Co. Permit:
Facility ID: FA0009980
Owner: VUELVAS, ALBERTO
Permit Number: PT0017070
Permit Category: LIMITED QUANTITY GENERATOR(B)
Facility Status: ACTIVE
Expiration Date: 9/30/2007 12:00:00AM

2
NE
< 1/8
418 ft.

CACTUS DUMP (RIALTO) — **SWF/LF** — **S105678208** / **N/A**
E 1/2,NE 1/4 OF S3, T1S, R5W, SBBM.
RIALTO, CA

Relative: Lower

Actual: 1344 ft.

LF:
Region: STATE
Facility ID: 36-CR-0006
Facility Telephone: Not reported
Facility Telephone 2: Not reported
Lat/Long: 34.1246 / -117.3871
Land Owner: Not reported
Owner Name: Not reported
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: Not reported
Owner City,St,Zip: Not reported
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Operator's Status: Closed
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: $0.00
Activity: Solid Waste Disposal Site
Regulation Status: Pre-regulations
Land Use: Not reported
Landuse Name: Not reported
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: None
Accepted Waste: Not reported
Year Opened: Not reported
Year Closed: Not reported
Closure Date: 7/1/1956
Closure Type: Not reported
Closure Approve: Not reported
Disposal Acreage: $0.00
Status: Not reported
Swisnumber: 36-CR-0006
Aka: Not reported
Type Of Waste: Not reported
Disposal Area: Not reported
SWFP Date: Not reported

CACTUS DUMP (RIALTO) (Continued) — S105678208

WDR Number:	Not reported
Dates Operation:	Not reported
Dt Of Field Units:	Not reported
Surface Condition:	Not reported
Landfill Gas:	Not reported
Leachate:	Not reported
Emrgncy Response:	Not reported
Lea Date:	Not reported
Restrictions:	Not reported
Fill Area:	Not reported
Type Of Refuse:	Not reported
Avg Depth Of Fill:	Not reported
Addtl Expansion Area:	Not reported
Site Size:	Not reported
Site Type:	Not reported
Site Description:	Not reported
Reassess Site:	Not reported
Location:	Not reported
Parcel Num:	Not reported
Issue & Observations:	Not reported
Other Observations:	Not reported
Date:	Not reported
Address:	Not reported
Prep By:	Not reported
DOHS Number:	Not reported
CUP Number:	Not reported
CIWMB:	Not reported
Program Type:	Not reported
Public Notice:	Not reported
PERMTIER:	Not reported
Recommendations:	Not reported
Othr Recommendation:	Not reported
Sig. Change Since Last Visit:	Not reported
Priority For Site Assessment:	Not reported
Permitted Throughput with Units:	0
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	0
Remaining Capacity:	0
Remaining Capacity with Units:	Not reported
Last Waste Tire Inspection Count:	Not reported
Last Waste Tire Inspection Date:	Not reported
Original Waste Tire Count:	Not reported
Original Waste Tire Count Date:	Not reported
Explanation:	Not reported
No Further Action:	Not reported
Issues & Observations:	Not reported

A3 — **East** — **1/8-1/4** — **676 ft.** — **Relative: Lower** — **Actual: 1360 ft.**

DI-WEST SAN BDNO CWD — UST — U003784641 — N/A
855 W BASE LINE RD
RIALTO, CA 92376

Site 1 of 2 in cluster A

UST:

Local Agency:	36000
Facility ID:	86008446

A4 — **East** — **1/8-1/4** — **676 ft.** — **Relative: Lower** — **Actual: 1360 ft.**

WEST SAN BERNARDINO CO. WATER — HIST UST — U001575571 — N/A
855 W BASE LINE RD
RIALTO, CA 92376

Site 2 of 2 in cluster A

HIST UST:

Region:	STATE
Facility ID:	00000042476
Tank Num:	001
Container Num:	1
Year Installed:	1975
Tank Capacity:	00001000
Facility Type:	Other
Other Type:	WATER DISTRICT
Total Tanks:	0001
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Contact Name:	ANTHONY W. ARAIZA
Telephone:	7148759056
Owner Name:	WEST SAN BERNARDINO COUNTY WAT
Owner Address:	855 WEST BASELINE
Owner City,St,Zip:	RIALTO, CA 92376

B5 — **NW** — **1/8-1/4** — **811 ft.** — **Relative: Higher** — **Actual: 1405 ft.**

SUDHAKAR COMPANY — HAZNET — S104779738
1450 N FITZGERALD AVE — San Bern. Co. Permit — N/A
RIALTO, CA 92376

Site 1 of 2 in cluster B

HAZNET:

Gepaid:	CAL000172240
Contact:	BEN PAGDILAO/WHEREHOUSE MGR
Telephone:	9098792933
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1450 N FITZGERALD AVE
Mailing City,St,Zip:	RIALTO, CA 923760000
Gen County:	San Bernardino
TSD EPA ID:	CAT080033681
TSD County:	San Bernardino
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	0.3
Facility County:	San Bernardino

Gepaid:	CAL000172240
Contact:	JERRY TOWNSEND/SHOP MGR
Telephone:	9098792933
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1450 N FITZGERALD AVE
Mailing City,St,Zip:	RIALTO, CA 923760000
Gen County:	San Bernardino
TSD EPA ID:	AZC951206114
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill

SUDHAKAR COMPANY (Continued) **S104770738**

Tons: 5
Facility County: Not reported

San Bern. Co. Permit:
Facility ID: FA0006496
Owner: SUDHAKAR, ASH
Permit Number: PT0009392
Permit Category: GENERATOR - 26-50 EMPLOYEES
Facility Status: ACTIVE
Expiration Date: 7/31/2007 12:00:00AM

Facility ID: FA0006496
Owner: SUDHAKAR, ASH
Permit Number: PT0009391
Permit Category: HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)
Facility Status: ACTIVE
Expiration Date: 7/31/2007 12:00:00AM

B6 **KLAERS AVIATION** **San Bern. Co. Permit** **S102041427**
NW **1462 N FITZGERALD AVE** **N/A**
1/8-1/4 **RIALTO, CA 92376**
842 ft.

Site 2 of 2 in cluster B

Relative: Higher

Actual: 1406 ft.

San Bern. Co. Permit:
Facility ID: FA0004268
Owner: KLAERS AVIATION
Permit Number: PT0007876
Permit Category: SPECIAL HANDLER
Facility Status: ACTIVE
Expiration Date: 5/31/2008 12:00:00AM

Facility ID: FA0004268
Owner: KLAERS AVIATION
Permit Number: PT0007877
Permit Category: SPECIAL GENERATOR(B)
Facility Status: ACTIVE
Expiration Date: 5/31/2008 12:00:00AM

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7 **7-ELEVEN #33442** **San Bern. Co. Permit** **S106803284**
West **1276 W BASELINE RD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
1204 ft.

Relative: Higher

Actual: 1379 ft.

San Bern. Co. Permit:
Facility ID: FA0009051
Owner: 7 ELEVEN, INC
Permit Number: PT0016328
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 3/31/2008 12:00:00AM

Facility ID: FA0009051
Owner: 7 ELEVEN, INC
Permit Number: PT0016329
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)

7-ELEVEN #33442 (Continued) **S106803284**

Facility Status: ACTIVE
Expiration Date: 3/31/2008 12:00:00AM

Facility ID: FA0009051
Owner: 7 ELEVEN, INC
Permit Number: PT0016330
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 3/31/2008 12:00:00AM

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIALTO	S104789864	ROMERO'S MACHINE SHOP	1260 N FITZGERALD AVE 118	92376	San Bern. Co. Permit
RIALTO	S106112255	DYNAMIC POWDER COATING	1268 N FITZGERALD AVE A	92376	San Bern. Co. Permit
RIALTO	S105608987		2359 SOUTH RIVERSIDE AVE		CHMIRS, SLIC
RIALTO	S105329507	ENER TECH ENVIRONMENTAL CALIFORNIA LLC	501 EAST SANTA AVENUE		SWRTLF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/18/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/31/2007
Next Scheduled EDR Contact: 10/29/2007
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 08/09/2007
Date Data Arrived at EDR: 09/05/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 36

Source: EPA
Telephone: N/A
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 10/29/2007
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 08/27/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: N/A
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 10/29/2007
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56
Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/23/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 70
Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/19/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 08/21/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 37
Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/26/2007
Date Data Arrived at EDR: 08/08/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 21
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56
Source: EPA
Telephone: (415) 495-8895
Last EDR Contact: 10/16/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 01/24/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 47
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/19/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/02/2007
Date Data Arrived at EDR: 07/18/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 62
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/16/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/16/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutionall controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/16/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62
Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 09/09/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/20/2007
Date Data Arrived at EDR: 07/09/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 51
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/13/2007
Date Data Arrived at EDR: 07/16/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 44
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/21/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/2007
Date Data Arrived at EDR: 07/03/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 57
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 82
Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 69
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/18/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/30/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/06/2007
Date Data Arrived at EDR: 07/20/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 60
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 07/06/2007
Date Data Arrived at EDR: 07/20/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 60
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 45
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Annually

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31
Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 08/14/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 43
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Varies

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2007
Date Data Arrived at EDR: 08/13/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 59
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Quarterly

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 07/25/2007
Date Data Arrived at EDR: 07/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 72
Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Varies

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/02/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/31/2007
Date Data Arrived at EDR: 08/01/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 28
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/31/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/06/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 32
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 04/12/2007
Date Data Arrived at EDR: 06/08/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 08/09/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subjec to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 07/24/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 56
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/09/2007
Date Data Arrived at EDR: 06/28/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/26/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/19/2007
Date Data Arrived at EDR: 07/25/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Biennially

USGS WATER WELLS: National Water Information System (NWIS)
This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005
Date Data Arrived at EDR: 03/25/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: USGS
Telephone: N/A
Last EDR Contact: 03/25/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

PWS: Public Water System Data
This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000
Date Data Arrived at EDR: 04/27/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA
Telephone: N/A
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: N/A

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: Sate Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/12/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 16

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/19/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 11/05/2007
Next Scheduled EDR Contact: 02/04/2008
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, ,os Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Maderi, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Suter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2007
Date Data Arrived at EDR: 08/01/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 8

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 10/24/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Centra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 10/09/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 07/10/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 08/03/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 6

Source: Sate Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 10/09/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 10/19/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 07/17/2007
Date Data Arrived at EDR: 07/18/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 22

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Annually

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/10/2007
Date Data Arrived at EDR: 10/11/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 21

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/25/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/27/2007
Date Data Arrived at EDR: 08/28/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/05/2007
Next Scheduled EDR Contact: 02/04/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 09/17/2007
Date Data Arrived at EDR: 09/18/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

SWEEPS UST: SWEEPS UST Listing
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records.
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or formerhazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 07/02/2007
Date Data Arrived at EDR: 07/03/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/03/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 07/31/2007
Date Data Arrived at EDR: 07/31/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 9

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 24

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 10/23/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/07/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

RESPONSE: State Response Sites
Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/20/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/04/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 23

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 10/18/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/17/2007
Date Data Arrived at EDR: 09/18/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database
The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 08/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/18/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 09/27/2007
Date Data Arrived at EDR: 09/07/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 34
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/05/2007
Date Data Arrived at EDR: 10/02/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 9
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 09/12/2007
Date Data Arrived at EDR: 09/14/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 27
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 09/14/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 27
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 08/31/2007
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 09/14/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 27
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 08/27/2007
Date Data Arrived at EDR: 09/07/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 34
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 09/05/2007
Date Data Arrived at EDR: 10/02/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 9
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 09/12/2007
Date Data Arrived at EDR: 09/14/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 27
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

FEDERAL RECORDS

COLLEGES: Integrated Postsecondary Education Data
The National Center for Education Statistics' primary database on integrated postsecondary education in the United States.

Date of Government Version: N/A
Date Data Arrived at EDR: 10/12/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: National Center for Education Statistics
Telephone: 202-502-7300
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

PUBLIC SCHOOLS: Public Schools
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/13/2004
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: National Center for Education statistics
Telephone: 202-502-7300
Last EDR Contact: 10/10/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: N/A

PRIVATE SCHOOLS: Private Schools of the United States
The National Center for Education Statistics' primary database on private school locations in the United States.

Date of Government Version: N/A
Date Data Arrived at EDR: 10/07/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: National Center for Education Statistics
Telephone: 202-502-7300
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NURSING HOMES: Directory of Nursing Homes
Information on Medicare and Medicaid certified nursing homes in the United States.

Date of Government Version: N/A
Date Data Arrived at EDR: 10/11/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: N/A
Telephone: 800-568-3282
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

MEDICAL CENTERS: Provider of Services Listing
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health & Human Services.

Date of Government Version: 06/01/1998
Date Data Arrived at EDR: 11/10/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
Last EDR Contact: 01/12/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

HOSPITALS: AHA Hospital Guide
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Date of Government Version: N/A
Date Data Arrived at EDR: 10/19/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: American Hospital Association
Telephone: 800-242-2626
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/03/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 50

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/22/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Semi-Annually

Underground Tanks
Underground storage tank sites located in Alameda county

Date of Government Version: 08/03/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 48

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 11/05/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 09/14/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 14

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/16/2007
Date Data Arrived at EDR: 07/17/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 23

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 11/05/2007
Next Scheduled EDR Contact: 02/04/2008
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2007
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 28

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/31/2007
Date Data Arrived at EDR: 08/27/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 30

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 08/17/2007
Date Data Arrived at EDR: 09/24/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 4

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 08/17/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complain.

Date of Government Version: 05/30/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 09/20/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 08/13/2007
Date Data Arrived at EDR: 09/24/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 38

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 08/23/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 09/24/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 38

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 3

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 10

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 10

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 17

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 50

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 48

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/07/2007
Date Data Arrived at EDR: 08/08/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 49

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List
Any business that has hazardous materials on site - hazarcous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/07/2007
Date Data Arrived at EDR: 08/08/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 49

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/27/2007
Date Data Arrived at EDR: 06/29/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status.HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 10/05/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 01/03/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 06/27/2007
Date Data Arrived at EDR: 07/20/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 20

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 10/03/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/07/2007
Date Data Arrived at EDR: 09/07/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 21

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/07/2007
Date Data Arrived at EDR: 09/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 17

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 08/21/2007
Date Data Arrived at EDR: 08/22/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 33

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/30/2007
Date Data Arrived at EDR: 07/30/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 10

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 10/09/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 07/10/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 30

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 10/09/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Varies

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 09/17/2007
Date Data Arrived at EDR: 09/17/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 11

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 6

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 10/23/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 9

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 07/09/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 10/22/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007
Date Data Arrived at EDR: 05/04/2007
Date Made Active in Reports: 05/24/2007
Number of Days to Update: 20

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/30/2007
Date Data Arrived at EDR: 06/22/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 7

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/21/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/05/2007
Date Data Arrived at EDR: 06/21/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 09/26/2007
Date Data Arrived at EDR: 10/11/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 21

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 07/30/2007
Date Data Arrived at EDR: 09/04/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 20

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 06/15/2007
Date Made Active in Reports: 06/20/2007
Number of Days to Update: 66

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 04/01/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 05/08/2007
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 11/02/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/27/2007
Date Data Arrived at EDR: 08/30/2007
Date Made Active in Reports: 09/21/2007
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/23/2007
Date Made Active in Reports: 09/27/2007
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest Information
Hazardous waste manifest information

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 10/16/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 10/09/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

OLIVE GROVE
FITZGERALD AVENUE/BASE LINE ROAD
RIALTO, CA 92376

TARGET PROPERTY COORDINATES

Latitude (North):	34.12270 - 34° 7' 21.7"
Longitude (West):	117.3902 - 117° 23' 24.7"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	464016.8
UTM Y (Meters):	3775634.8
Elevation:	1377 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34117-B4 DEVORE, CA
Most Recent Revision:	1988
South Map:	34117-A4 FONTANA, CA
Most Recent Revision:	1988

EDR's GeoCheck Physical Setting Source Addendum is provded to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

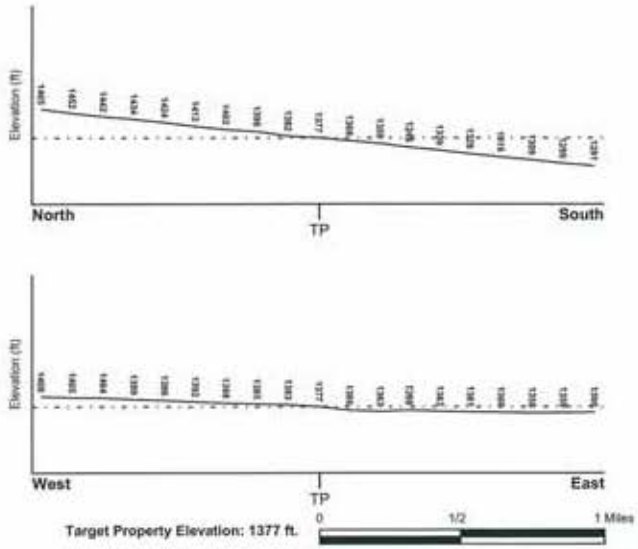
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN BERNARDINO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06071C8660F

Additional Panels in search area: 06071C7920F
06071C7940F
06071C8676F

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the data of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©2008 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

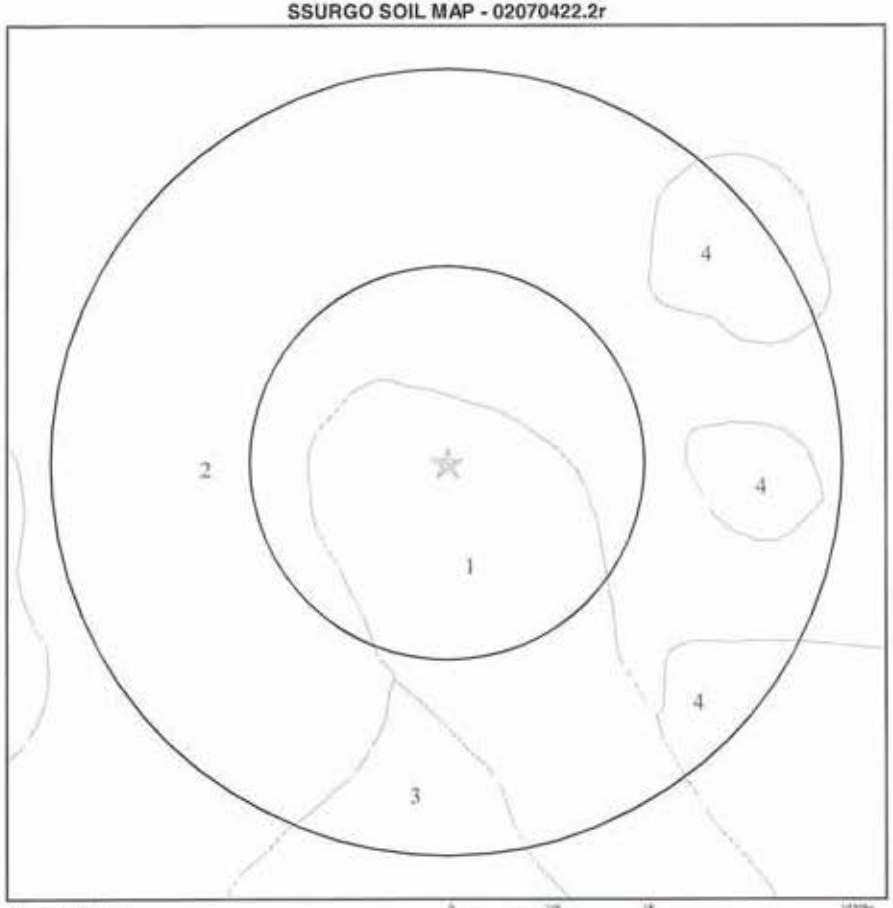
GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT		GEOLOGIC AGE IDENTIFICATION	
Era:	Cenozoic	Category:	Stratified Sequence
System:	Quaternary		
Series:	Quaternary		
Code:	Q *(decoded above as Era, System & Series)*		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 02070422.2r



SITE NAME: Olive Grove ADDRESS: Fitzgerald Avenue/Base Line Road Rialto CA 92376 LAT/LONG: 34.1227 / 117.3902	CLIENT: LFR Inc CONTACT: Dana Brodie INQUIRY #: 02070422.2r DATE: November 06, 2007 10:54 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HANFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 6.10
2	12 inches	60 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 5.60

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly - loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Soil does not meet the requirements for a hydrc soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Infomation

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	38 inches	gravelly - loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	38 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10

Soil Map ID: 3

Soil Component Name: TUJUNGA

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltraton rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Infomation

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	18 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	18 inches	60 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

Soil Map ID: 4

Soil Component Name: PITS

Soil Surface Texture: extremely gravelly - coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	extremely gravelly - coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 6.00	Max: 0.00 Min: 0.00
2	6 inches	60 inches	extremely gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 6.00	Max: 0.00 Min: 0.00

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS3134694	1/4 - 1/2 Mile SE
C9	USGS3134430	1/2 - 1 Mile North
10	USGS3290490	1/2 - 1 Mile SSE
B11	USGS3134722	1/2 - 1 Mile East
D13	USGS3134407	1/2 - 1 Mile NW
D14	USGS3134406	1/2 - 1 Mile NW
D15	USGS3134408	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D16	USGS3134405	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	979	1/2 - 1 Mile SE
A3	982	1/2 - 1 Mile SE
4	996	1/2 - 1 Mile SE
5	201	1/2 - 1 Mile NNE
B6	CADW10000006866	1/2 - 1 Mile East
B7	23574	1/2 - 1 Mile East
B8	23575	1/2 - 1 Mile East
C12	CADW10000007026	1/2 - 1 Mile North
D17	202	1/2 - 1 Mile NW
D18	CADW10000007002	1/2 - 1 Mile NW
D19	CADW10000007003	1/2 - 1 Mile NW
D20	CADW10000007000	1/2 - 1 Mile NW
D21	CADW10000007001	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 02070422.2r

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: Olive Grove	CLIENT: LFR Inc
ADDRESS: Fitzgerald Avenue/Base Line Road Rialto CA 92376	CONTACT: Dana Brodie INQUIRY #: 02070422.2r
LAT/LONG: 34.1227 / 117.3902	DATE: November 06, 2007 10:54 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 SE 1/4 - 1/2 Mile Lower	FED USGS	USGS3134694

Agency cd:	USGS	Site no:	340713117230601
Site name:	001S005W03A002S		
Latitude:	340713		
Longitude:	1172306	Dec lat:	34.12028843
Dec lon:	-117.38587973	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	FONTANA	Map scale:	24000
Altitude:	1360		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1660 sq mil		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19910225
Date inventoried:	19941201	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	970	Hole depth:	1023
Source of depth data:	other reported		
Project number:	470049400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1994-12-01
Water quality data end date:	1994-12-01	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A2 SE 1/2 - 1 Mile Lower	CA WELLS	979

Water System Information:

Prime Station Code:	01S/05W-02C01 S	User ID:	TAN
FRDS Number:	3610004007	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUNI/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340700.0 1172300.0	Precision:	Undefined
Source Name:	WELL 10		

System Number: 3610004
System Name: WEST SAN BERNARDINO CWD
Organization That Operates System:
PO BOX 920
RIALTO, CA 92376-0920
Pop Served: 41454 Connections: 15052
Area Served: RIALTO-BLOOMINGTON

A3
SE
1/2 - 1 Mile
Lower

CA WELLS **992**

Water System Information:
Prime Station Code: 01S/05W-03A01 S User ID: TAN
FRDS Number: 3610038009 County: San Beernardino
District Number: 13 Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type: Well/Groundwater Well Status: Active Raw
Source Lat/Long: 340700.0 1172300.0 Precision: Undefined
Source Name: DUNCAN WELL (RIALTO 04)
System Number: 3610038
System Name: RIALTO-CITY
Organization That Operates System:
150 S PALM AVE
RIALTO, CA 92376
Pop Served: 48418 Connections: 11089
Area Served: RIALTO

Sample Collected:	03/12/2002 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/2002 00:00:00	Findings:	1.03 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/18/2002 00:00:00	Findings:	1.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/18/2002 00:00:00	Findings:	5.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	08/14/2002 00:00:00	Findings:	.955 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/01/2002 00:00:00	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/07/2002 00:00:00	Findings:	5.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/12/2003 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/13/2004 00:00:00	Findings:	.39 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/24/2004 00:00:00	Findings:	1.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/24/2004 00:00:00	Findings:	4.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/24/2004 00:00:00	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/18/2004 00:00:00	Findings:	4.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/16/2004 00:00:00	Findings:	4.8 UG/L
Chemical:	PERCHLORATE		

Sample Collected:	07/27/2004 00:00:00	Findings:	5.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/24/2004 00:00:00	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/22/2004 00:00:00	Findings:	7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/13/2004 00:00:00	Findings:	7.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/22/2004 00:00:00	Findings:	7.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/14/2004 00:00:00	Findings:	8.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/25/2005 00:00:00	Findings:	8.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/22/2005 00:00:00	Findings:	5.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/22/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2005 00:00:00	Findings:	6.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2005 00:00:00	Findings:	6.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/31/2005 00:00:00	Findings:	8.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/29/2005 00:00:00	Findings:	8.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/12/2005 00:00:00	Findings:	25 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/12/2005 00:00:00	Findings:	310 U/S
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/12/2005 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/12/2005 00:00:00	Findings:	130 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	150 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/12/2005 00:00:00	Findings:	120 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	42 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	4.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	9.7 MG/L
Chemical:	SODIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	4 MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/12/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/12/2005 00:00:00	Findings:	200 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/12/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2005 00:00:00	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/20/2005 00:00:00	Findings:	9.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/03/2005 00:00:00	Findings:	10 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/22/2005 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/19/2005 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/23/2005 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/02/2005 00:00:00	Findings:	15 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/19/2006 00:00:00	Findings:	10 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.27 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/21/2006 00:00:00	Findings:	3.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/21/2006 00:00:00	Findings:	9.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/21/2006 00:00:00	Findings:	11 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/21/2006 00:00:00	Findings:	9.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2006 00:00:00	Findings:	9.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/09/2006 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/09/2006 00:00:00	Findings:	.83 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/19/2006 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/20/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/20/2006 00:00:00	Findings:	3.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/20/2006 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/15/2006 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/15/2006 00:00:00	Findings:	.99 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/15/2006 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/15/2006 00:00:00	Findings:	.509 PCi/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	09/12/2006 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/12/2006 00:00:00	Findings:	14 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/30/2006 00:00:00	Findings:	18 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.2 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	19 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.2 PCi/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/16/2006 00:00:00	Findings:	.565 PCi/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	.5 PCi/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	12/12/2006 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12/12/2006 00:00:00	Findings:	21 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/03/2007 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/03/2007 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/03/2007 00:00:00	Findings:	22 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/15/2007 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/15/2007 00:00:00	Findings:	23 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/07/2007 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/07/2007 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/07/2007 00:00:00	Findings:	23 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/04/2007 00:00:00	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	04/04/2007 00:00:00	Findings:	20 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/01/2007 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/01/2007 00:00:00	Findings:	22 UG/L
Chemical:	PERCHLORATE		

Sample Collected:	06/12/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/12/2007 00:00:00	Findings:	24 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/17/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	27 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/31/2002 00:00:00	Findings:	.08 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/21/2002 00:00:00	Findings:	11 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/21/2002 00:00:00	Findings:	1.05 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/12/2002 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

4
SE **CA WELLS** **996**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	01S/05W-14B01 S	User ID:	TAN
FRDS Number:	3610038018	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	340653.5 1172245.2	Precision:	1,000 Feet (10 Seconds)
Source Name:	RIALTO WELL 05		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:			
	150 S PALM AVE		
	RIALTO, CA 92376		
Pop Served:	48418	Connections:	11088
Area Served:	RIALTO		
Sample Collected:	01/31/2002 00:00:00	Findings:	.26 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/21/2002 00:00:00	Findings:	10 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/12/2002 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/12/2002 00:00:00	Findings:	200 UG/L
Chemical:	IRON		
Sample Collected:	03/12/2002 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/2002 00:00:00	Findings:	1.06 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/18/2002 00:00:00	Findings:	1.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/18/2002 00:00:00	Findings:	6.7 UG/L
Chemical:	VANADIUM		

Sample Collected:	08/14/2002 00:00:00	Findings:	3.37 PCi/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/14/2002 00:00:00	Findings:	.864 PCi/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/28/2002 00:00:00	Findings:	1.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/05/2003 00:00:00	Findings:	10 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/21/2004 00:00:00	Findings:	.34 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/26/2004 00:00:00	Findings:	1.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/26/2004 00:00:00	Findings:	4.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/24/2005 00:00:00	Findings:	1.6 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/24/2005 00:00:00	Findings:	5.2 UG/L
Chemical:	VANADIUM		
Sample Collected:	03/22/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/22/2005 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2005 00:00:00	Findings:	25 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/12/2005 00:00:00	Findings:	360 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/12/2005 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/12/2005 00:00:00	Findings:	150 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	180 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/12/2005 00:00:00	Findings:	150 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	50 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	6.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	12 MG/L
Chemical:	SODIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	1.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	5.1 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/12/2005 00:00:00	Findings:	.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/12/2005 00:00:00	Findings:	280 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/12/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	07/12/2005 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.03 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/21/2006 00:00:00	Findings:	5.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	03/22/2006 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/11/2006 00:00:00	Findings:	- .23 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05/09/2006 00:00:00	Findings:	3.48 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/09/2006 00:00:00	Findings:	1.13 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2006 00:00:00	Findings:	1.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/20/2006 00:00:00	Findings:	6 UG/L
Chemical:	VANADIUM		
Sample Collected:	08/21/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2006 00:00:00	Findings:	5.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/21/2006 00:00:00	Findings:	1.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/21/2006 00:00:00	Findings:	.572 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	09/12/2006 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10/23/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/16/2006 00:00:00	Findings:	.535 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	.5 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	12/12/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/03/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/03/2007 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/15/2007 00:00:00	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/07/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	03/07/2007 00:00:00	Findings:	13 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/04/2007 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/02/2007 00:00:00	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/12/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		

5
NNE **CA WELLS 201**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	01N/05W-34B01 S	User ID:	TAN
FRDS Number:	3610038014	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUNI/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1172300.0	Precision:	Undefined
Source Name:	HIGHLAND WELL		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:	150 S PALM AVE RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		
Sample Collected:	06/27/2002 00:00:00	Findings:	51 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/18/2002 00:00:00	Findings:	53 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/15/2002 00:00:00	Findings:	52 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/11/2002 00:00:00	Findings:	54 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/01/2002 00:00:00	Findings:	50 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/13/2002 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/09/2002 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/15/2003 00:00:00	Findings:	5.9 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/15/2003 00:00:00	Findings:	43 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/24/2003 00:00:00	Findings:	49 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/12/2003 00:00:00	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/12/2003 00:00:00	Findings:	51 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	43 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	47 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	44 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	440 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/18/2003 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	04/18/2003 00:00:00	Findings:	170 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	04/18/2003 00:00:00	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/18/2003 00:00:00	Findings:	190 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	04/18/2003 00:00:00	Findings:	61 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	8.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	11 MG/L
Chemical:	SODIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	1.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	13 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/18/2003 00:00:00	Findings:	63 UG/L
Chemical:	COPPER		
Sample Collected:	04/18/2003 00:00:00	Findings:	260 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/2003 00:00:00	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/18/2003 00:00:00	Findings:	.46 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/18/2003 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	45 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/21/2003 00:00:00	Findings:	44 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/23/2003 00:00:00	Findings:	43 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/14/2003 00:00:00	Findings:	460 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/14/2003 00:00:00	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	08/14/2003 00:00:00	Findings:	170 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/14/2003 00:00:00	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/14/2003 00:00:00	Findings:	180 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/14/2003 00:00:00	Findings:	58 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	8.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	11 MG/L
Chemical:	SODIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	2.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	13 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/14/2003 00:00:00	Findings:	260 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/14/2003 00:00:00	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/14/2003 00:00:00	Findings:	.27 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/14/2003 00:00:00	Findings:	45 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/10/2003 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/15/2003 00:00:00	Findings:	40 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/04/2003 00:00:00	Findings:	44 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/04/2003 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/26/2004 00:00:00	Findings:	40 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/16/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2004 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/17/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/26/2004 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/22/2004 00:00:00	Findings:	39 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/13/2004 00:00:00	Findings:	34 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/14/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/25/2005 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/24/2005 00:00:00	Findings:	1.7 UG/L
Chemical:	CHROMIUM, HEXAVALENT		

Sample Collected:	02/24/2005 00:00:00	Findings:	3.8 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/24/2005 00:00:00	Findings:	3.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/24/2005 00:00:00	Findings:	35 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/22/2005 00:00:00	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2005 00:00:00	Findings:	36 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2005 00:00:00	Findings:	35 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/02/2005 00:00:00	Findings:	47 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/15/2005 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/25/2006 00:00:00	Findings:	42 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/05/2006 00:00:00	Findings:	5.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	06/05/2006 00:00:00	Findings:	46 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/12/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/12/2007 00:00:00	Findings:	56 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/17/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	51 UG/L
Chemical:	PERCHLORATE		

B6
East
1/2 - 1 Mile
Lower

CA WELLS **CADW10000006866**

Longn:	-117.3751
Latn:	34.1211
Stwellno:	01S05W02C001S
Districtco:	3
Welluseccd:	P
Countycode:	36
Gwcode:	800204
Site id:	CADW10000006866

Map ID
Direction
Distance
Elevation — Database — EDR ID Number

B7
East
1/2 - 1 Mile
Lower

CA WELLS **23574**

Water System Information:

Prime Station Code:	M36/038-FILPLAR	User ID:	TAN
FRDS Number:	3610038011	County:	San Beernardino
District Number:	13	Station Type:	STREAM/AMBNT
Water Type:	Surface Water	Well Status:	Active Raw
Source Lat/Long:	340715.0 1172230.0	Precision:	100 Feet (one Second)
Source Name:	FILTER PLANT - RAW		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:	150 S PALM AVE RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		

B8
East
1/2 - 1 Mile
Lower

CA WELLS **23575**

Water System Information:

Prime Station Code:	M36/038-FILPLAT	User ID:	TAN
FRDS Number:	3610038012	County:	San Beernardino
District Number:	13	Station Type:	STREAM/AMBNT
Water Type:	Surface Water	Well Status:	Active Treated
Source Lat/Long:	340715.0 1172230.0	Precision:	100 Feet (one Second)
Source Name:	FILTER PLANT - TREATED		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:	150 S PALM AVE RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		

C9
North
1/2 - 1 Mile
Higher

FED USGS **USGS3134430**

Agency cd:	USGS	Site no:	340807117232601
Site name:	001N005W34B001S		
Latitude:	340807		
Longitude:	1172326	Dec lat:	34.13528791
Dec lon:	-117.39143559	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	DEVORE	Map scale:	24000

Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Santa Ana. California. Area = 1680 sc.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	1022	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-03-04
Water quality data end date:	1994-10-11	Water quality data count:	2
Ground water data begin date:	1992-03-04	Ground water data end date:	1992-03-04
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-03-04	408.63	

10
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS3290490**

Agency cd:	USGS	Site no:	340638117230601
Site name:	001S005W03J001S		
Latitude:	340638		
Longitude:	1172306	Dec lat:	34.11056653
Dec lon:	-117.38567967	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	10		
Altitude datum:	Not Reported		
Hydrologic:	Santa Ana. California. Area = 1680 sc.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Data construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	0479333800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B11
East
1/2 - 1 Mile
Lower

FED USGS **USGS3134722**

Agency cd:	USGS	Site no:	340716117222701
Site name:	001S005W02C001S		
Latitude:	340716		
Longitude:	1172227	Dec lat:	34.12112179
Dec lon:	-117.37504603	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Santa Ana. California. Area = 1680 sc.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Data construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	900	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-01-08	Ground water data end date:	1992-01-08
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-01-08	324.35	

C12
North
1/2 - 1 Mile
Higher

CA WELLS **CADW10000007026**

Longn:	-117.3914
Latn:	34.1353
Stwellno:	01N05W34B001S
Districtcc:	3
Welluse cod:	P
Countycode:	36
Gwcode:	800204
Site id:	CADW10000007026

D13
NW
1/2 - 1 Mile
Higher

FED USGS **USGS3134497**

Agency cd:	USGS	Site no:	340800117235903
Site name:	001N005W34D003S		
Latitude:	340800		
Longitude:	1172359	Dec lat:	34.13334349
Dec lon:	-117.40060256	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	DEVORE	Map scale:	24000
Altitude:	1460		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1680 sq mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19920429
Date inventoried:	19920805	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	610	Hole depth:	1000
Source of depth data:	geologist		
Project number:	470649400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-08-27
Water quality data end date:	1994-10-27	Water quality data count:	5
Ground water data begin date:	1992-07-14	Ground water data end date:	2004-12-22
Ground water data count:	134		

Ground-water levels, Number of Measurements: 134

Date	Feet below Surface	Feet to Sealevel
2004-12-22	460.90	
2004-11-05	460.20	
2004-08-24	457.50	
2004-06-29	455.70	
2004-05-19	454.49	
2004-03-23	452.08	
2003-12-16	451.72	
2003-11-20	452.08	
2003-10-22	452.85	
2003-08-21	451.93	
2003-06-23	448.78	
2003-04-17	446.56	
2003-02-21	445.62	
2002-12-19	444.18	
2002-10-09	442.00	
2002-08-16	439.30	
2002-06-18	435.03	
2002-04-19	431.39	
2002-02-21	428.05	
2001-12-19	426.50	
2001-10-15	427.13	
2001-08-22	424.92	
2001-06-13	420.50	
2001-04-10	415.23	
2001-02-22	418.09	
2000-12-18	417.10	
2000-10-04	417.80	
2000-08-15	418.51	
2000-06-12	416.28	
2000-04-19	413.66	
2000-02-17	415.36	
1999-12-16	417.92	
1999-10-05	418.40	
1999-08-18	417.70	
1999-06-21	416.08	
1999-04-19	414.69	
1999-02-16	417.07	
1998-12-15	419.55	
1998-10-06	421.70	
1998-08-14	421.16	
1998-06-18	420.84	
1998-04-03	421.55	
1998-02-10	423.57	
1997-12-03	424.37	
1997-10-03	425.11	
1997-08-08	424.42	
1997-06-19	422.62	
1997-04-10	421.44	
1997-02-13	423.58	
1996-12-17	426.25	
1996-10-03	426.82	
1996-08-14	426.99	
1996-06-18	426.12	
1996-04-01	424.48	
1996-02-15	425.72	
1995-12-11	428.34	
1995-10-11	428.22	
1995-08-09	425.81	
1995-06-26	423.18	
1995-05-22	423.51	
1995-05-18	423.34	
1995-03-02	425.44	
1994-12-29	427.13	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
2003-09-18	452.28	
2003-07-23	450.58	
2003-05-20	447.38	
2003-03-20	445.82	
2003-01-22	445.00	
2002-11-19	443.00	
2002-09-19	441.10	
2002-07-16	437.29	
2002-05-22	433.20	
2002-03-21	429.63	
2002-01-17	427.15	
2001-11-30	427.10	
2001-09-18	426.04	
2001-07-09	422.63	
2001-05-24	419.40	
2001-03-16	415.85	
2001-01-23	417.00	
2000-11-27	416.84	
2000-09-14	418.22	
2000-07-17	417.55	
2000-05-17	415.07	
2000-03-13	413.48	
2000-01-19	416.90	
1999-11-04	418.64	
1999-09-14	418.01	
1999-07-20	416.97	
1999-05-25	414.99	
1999-03-11	415.96	
1999-01-11	418.32	
1998-11-05	420.73	
1998-09-16	421.70	
1998-07-16	421.13	
1998-05-05	420.68	
1998-03-04	422.49	
1998-01-06	423.19	
1997-11-05	425.21	
1997-09-04	425.41	
1997-07-07	423.00	
1997-05-07	421.22	
1997-03-12	422.60	
1997-01-16	425.35	
1996-11-05	426.61	
1996-09-11	427.19	
1996-07-16	426.23	
1996-05-03	426.35	
1996-03-06	425.18	
1996-01-04	427.60	
1995-11-07	429.16	
1995-09-20	427.93	
1995-07-05	423.78	
1995-06-15	423.32	
1995-05-18	423.54	
1995-04-06	424.63	
1995-02-07	426.59	
1994-10-26	430.73	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-06-21	428.83		1994-03-14	426.32	
1994-01-07	430.32		1993-09-13	434.12	
1993-07-02	433.57		1993-06-10	432.65	
1993-03-04	429.90		1993-01-27	430.33	
1992-08-27	430.73		1992-07-14	427.81	

D14
NW
1/2 - 1 Mile
Higher

FED USGS **USGS3134406**

Agency cd:	USGS	Site no:	340800117235902
Site name:	001N005W34D002S		
Latitude:	340800		
Longitude:	1172359	Dec lat:	34.13334349
Dec lon:	-117.40060256	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	DEVORE	Map scale:	24000
Altitude:	1460		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Data construction:	19920429
Date inventoried:	19920805	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	780	Hole depth:	1000
Source of depth data:	geologist		
Project number:	470649400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-08-27
Water quality data end date:	1994-10-27	Water quality data count:	5
Ground water data begin date:	1992-08-27	Ground water data end date:	2004-12-22
Ground water data count:	134		

Ground-water levels, Number of Measurements: 134

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-22	460.64		2004-11-23	460.20	
2004-11-05	459.97		2004-09-22	458.08	
2004-08-24	457.45		2004-07-21	456.24	
2004-06-29	455.63		2004-06-23	455.28	
2004-05-19	454.46		2004-04-26	453.36	
2004-03-23	453.13		2004-01-21	451.13	
2003-12-16	451.72		2003-11-20	452.08	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-10-22	452.85		2003-09-18	452.28	
2003-08-21	452.00		2003-07-23	450.58	
2003-06-23	448.81		2003-05-20	447.34	
2003-04-17	446.55		2003-03-20	445.80	
2003-02-21	445.46		2003-01-22	445.00	
2002-12-19	444.18		2002-11-19	443.00	
2002-10-09	442.00		2002-09-19	441.08	
2002-08-18	439.30		2002-07-16	437.29	
2002-06-18	435.03		2002-05-22	433.21	
2002-04-19	431.40		2002-03-21	429.63	
2002-02-21	428.05		2002-01-17	427.20	
2001-12-19	426.54		2001-11-30	427.10	
2001-10-15	427.16		2001-09-18	426.11	
2001-08-22	424.94		2001-07-09	422.65	
2001-06-13	420.54		2001-05-24	419.43	
2001-04-10	415.22		2001-03-16	415.83	
2001-02-22	418.09		2001-01-23	417.05	
2000-12-18	417.11		2000-11-27	416.89	
2000-10-04	417.81		2000-09-14	418.27	
2000-08-15	418.56		2000-07-17	417.60	
2000-06-12	416.30		2000-05-17	415.11	
2000-04-19	413.68		2000-03-13	413.49	
2000-02-17	415.38		2000-01-19	416.91	
1999-12-16	417.91		1999-11-04	418.62	
1999-10-05	418.30		1999-09-14	417.92	
1999-08-18	417.60		1999-07-20	416.90	
1999-06-21	415.99		1999-05-25	414.90	
1999-04-19	414.62		1999-03-11	415.90	
1999-02-16	417.01		1999-01-11	418.27	
1998-12-15	419.50		1998-11-05	420.66	
1998-10-06	421.64		1998-09-16	421.63	
1998-08-14	421.12		1998-07-16	421.07	
1998-06-18	420.75		1998-05-05	420.61	
1998-04-03	421.49		1998-03-04	422.47	
1998-02-10	423.48		1998-01-06	423.12	
1997-12-03	424.32		1997-11-05	425.13	
1997-10-03	425.05		1997-09-04	425.34	
1997-08-08	424.34		1997-07-07	422.94	
1997-06-19	422.50		1997-05-07	421.10	
1997-04-10	421.42		1997-03-12	422.52	
1997-02-13	423.50		1997-01-16	425.27	
1996-12-17	426.17		1996-11-05	426.55	
1996-10-03	426.76		1996-09-11	427.06	
1996-08-14	426.87		1996-07-16	426.14	
1996-06-18	426.04		1996-05-03	426.23	
1996-04-01	424.38		1996-03-06	425.10	
1996-02-15	425.65		1996-01-04	427.51	
1995-12-11	428.28		1995-11-07	429.08	
1995-10-11	428.14		1995-09-20	427.82	
1995-08-14	421.12		1995-08-09	425.70	
1995-07-05	423.72		1995-06-26	423.10	
1995-06-15	423.28		1995-05-22	423.48	
1995-05-18	423.54		1995-05-16	423.33	
1995-04-06	424.67		1995-03-02	425.41	
1995-02-07	425.94		1994-12-29	427.11	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-10-26	430.70		1994-06-21	429.04	
1994-03-14	428.39		1994-01-07	430.29	
1993-09-13	434.09		1993-07-02	433.57	
1993-06-10	432.61		1993-03-05	430.35	
1993-01-27	430.22		1992-08-27	430.80	

D15
NW
1/2 - 1 Mile
Higher

FED USGS **USGS3134408**

Agency cd:	USGS	Site no:	340800117235904
Site name:	001N005W34D004S		
Latitude:	340800		
Longitude:	1172359	Dec lat:	34.13334349
Dec lon:	-117.40060256	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	DEVORE	Map scale:	24000
Altitude:	1460		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mil		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Data construction:	19920429
Date inventoried:	19920805	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	492	Hole depth:	1000
Source of depth data:	geologist		
Project number:	470649400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-08-28
Water quality data end date:	1994-10-26	Water quality data count:	5
Ground water data begin date:	1992-07-14	Ground water data end date:	2004-12-22
Ground water data count:	134		

Ground-water levels, Number of Measurements: 134

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-22	460.45		2004-11-23	460.30	
2004-11-05	460.00		2004-09-22	458.96	
2004-08-24	456.68		2004-07-21	455.71	
2004-06-29	455.08		2004-06-23	454.93	
2004-05-19	453.97		2004-04-26	453.28	
2004-03-23	450.24		2004-01-21	451.11	
2003-12-16	451.65		2003-11-20	452.00	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-10-22	452.70		2003-09-18	452.10	
2003-08-21	451.62		2003-07-23	450.28	
2003-06-23	448.56		2003-05-20	447.03	
2003-04-17	446.40		2003-03-20	445.58	
2003-02-21	445.38		2003-01-22	444.72	
2002-12-19	443.93		2002-11-19	442.78	
2002-10-09	441.74		2002-09-19	440.80	
2002-08-16	439.03		2002-07-16	437.05	
2002-06-18	434.88		2002-05-22	432.97	
2002-04-19	431.13		2002-03-21	429.40	
2002-02-21	427.80		2002-01-17	426.98	
2001-12-19	426.30		2001-11-30	427.00	
2001-10-15	426.93		2001-09-18	425.80	
2001-08-22	424.73		2001-07-09	422.42	
2001-06-13	420.30		2001-05-24	419.19	
2001-04-10	415.12		2001-03-16	415.75	
2001-02-22	417.97		2001-01-23	416.84	
2000-12-18	416.95		2000-11-27	416.71	
2000-10-04	417.69		2000-09-14	418.01	
2000-08-15	418.30		2000-07-17	417.36	
2000-06-12	416.14		2000-05-17	414.86	
2000-04-19	413.56		2000-03-13	413.36	
2000-02-17	415.26		2000-01-19	416.80	
1999-12-16	417.81		1999-11-04	418.51	
1999-10-05	418.22		1999-09-14	417.85	
1999-08-18	417.51		1999-07-20	416.85	
1999-06-21	415.90		1999-05-25	414.84	
1999-04-19	414.54		1999-03-11	415.84	
1999-02-16	416.97		1999-01-11	418.24	
1998-12-15	419.45		1998-11-05	420.66	
1998-10-06	421.55		1998-09-16	421.57	
1998-08-14	421.06		1998-07-16	420.90	
1998-06-18	420.66		1998-05-05	420.58	
1998-04-03	421.45		1998-03-04	422.40	
1998-02-10	423.36		1998-01-06	423.07	
1997-12-03	424.20		1997-11-05	425.04	
1997-10-03	425.04		1997-09-04	425.22	
1997-08-08	424.16		1997-07-07	422.92	
1997-06-19	422.50		1997-05-07	421.10	
1997-04-10	421.44		1997-03-12	422.54	
1997-02-13	423.48		1997-01-16	425.27	
1996-12-17	426.16		1996-11-05	426.55	
1996-10-03	426.75		1996-09-11	426.99	
1996-08-14	426.75		1996-07-16	426.07	
1996-06-18	426.05		1996-05-03	426.16	
1996-04-01	424.36		1996-03-06	425.08	
1996-02-15	425.64		1996-01-04	427.51	
1995-12-11	428.27		1995-11-07	429.06	
1995-10-11	428.11		1995-09-20	427.78	
1995-08-09	425.65		1995-07-05	423.69	
1995-06-26	423.08		1995-06-15	423.24	
1995-05-22	423.47		1995-05-18	423.48	
1995-05-16	423.31		1995-04-06	424.77	
1995-03-02	425.34		1995-02-07	426.93	
1994-12-29	427.09		1994-10-26	430.69	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-06-21	428.62		1994-03-14	428.20	
1994-01-07	430.29		1993-09-13	434.07	
1993-07-02	433.48		1993-06-10	432.59	
1993-03-04	429.92		1993-01-27	430.25	
1992-08-28	430.88		1992-07-14	428.42	

D16
NW
1/2 - 1 Mile
Higher

FED USGS **USGS3134405**

Agency cd:	USGS	Site no:	340800117235901
Site name:	001N005W34D001S		
Latitude:	340800		
Longitude:	1172359	Dec lat:	34.13334349
Dec lon:	-117.40060256	Coor meth:	M
Coor acc:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	DEVORE	Map scale:	24000
Altitude:	1460		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19920429
Date inventoried:	19920805	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	990	Hole depth:	1000
Source of depth data:	geologist		
Project number:	470649400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-08-28
Water quality data end date:	1994-10-28	Water quality data count:	5
Ground water data begin date:	1992-07-14	Ground water data end date:	2004-12-22
Ground water data count:	134		

Ground-water levels, Number of Measurements: 134

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-22	461.62		2004-11-23	461.30	
2004-11-05	461.12		2004-09-22	458.92	
2004-08-24	458.31		2004-07-21	457.13	
2004-06-29	456.68		2004-05-23	456.10	
2004-05-19	455.60		2004-04-26	454.38	
2004-03-23	453.13		2004-01-21	451.80	
2003-12-16	452.15		2003-11-20	452.45	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-10-22	453.52		2003-09-18	452.97	
2003-08-21	453.10		2003-07-23	451.73	
2003-06-23	449.85		2003-05-20	448.50	
2003-04-17	447.19		2003-03-20	446.88	
2003-02-21	446.66		2003-01-22	445.87	
2002-12-19	445.18		2002-11-19	444.93	
2002-10-09	443.20		2002-09-19	442.43	
2002-08-16	440.54		2002-07-16	438.40	
2002-06-18	436.15		2002-05-22	434.09	
2002-04-19	432.26		2002-03-21	430.40	
2002-02-21	428.90		2002-01-17	427.80	
2001-12-19	427.36		2001-11-30	427.58	
2001-10-15	427.88		2001-09-18	427.09	
2001-08-21	425.64		2001-07-09	423.41	
2001-06-13	421.32		2001-05-24	420.20	
2001-04-10	415.51		2001-03-16	416.11	
2001-02-22	418.50		2001-01-23	417.72	
2000-12-18	417.56		2000-11-27	417.32	
2000-10-04	418.20		2000-09-14	418.98	
2000-08-15	419.20		2000-07-17	418.12	
2000-06-12	416.66		2000-05-17	415.80	
2000-04-18	414.02		2000-03-13	413.84	
2000-02-17	415.72		2000-01-19	417.30	
1999-12-16	418.35		1999-11-04	419.10	
1999-10-05	419.05		1999-09-14	418.70	
1999-08-18	418.32		1999-07-20	417.29	
1999-06-21	416.71		1999-05-25	415.53	
1999-04-19	415.13		1999-03-11	416.40	
1999-02-16	417.36		1999-01-11	418.61	
1998-12-15	419.96		1998-11-05	420.93	
1998-10-06	422.27		1998-09-16	422.13	
1998-08-14	421.50		1998-07-16	421.63	
1998-06-18	421.38		1998-05-05	421.05	
1998-04-03	421.88		1998-03-04	422.76	
1998-02-10	424.22		1998-01-06	423.60	
1997-12-03	424.81		1997-11-05	425.79	
1997-10-03	425.32		1997-09-04	425.87	
1997-08-08	425.41		1997-07-07	423.20	
1997-06-19	422.96		1997-05-07	421.42	
1997-04-10	421.64		1997-03-12	422.88	
1997-02-13	423.90		1997-01-16	425.47	
1996-12-17	426.48		1996-11-05	426.80	
1996-10-03	427.00		1996-09-11	427.87	
1996-08-14	427.72		1996-07-16	427.00	
1996-06-18	426.38		1996-05-03	427.10	
1996-04-01	424.88		1996-03-06	425.47	
1996-02-15	426.00		1996-01-04	427.82	
1995-12-11	428.51		1995-11-07	429.49	
1995-10-11	428.58		1995-09-20	428.47	
1995-08-09	426.19		1995-07-05	424.16	
1995-06-26	423.58		1995-06-15	423.70	
1995-05-22	423.49		1995-05-18	423.71	
1995-05-16	423.41		1995-04-06	424.93	
1995-03-02	425.53		1995-02-07	426.15	
1994-12-29	427.28		1994-10-26	430.72	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1994-06-21	429.83	
1994-01-07	430.44	
1993-07-02	433.76	
1993-03-04	430.15	
1992-08-28	431.60	
1994-03-14	428.80	
1993-09-13	434.20	
1993-06-10	432.77	
1993-01-27	430.55	
1992-07-14	428.21	

D17
NW
1/2 - 1 Mile
Higher

CA WELLS **202**

Water System Information:

Prime Station Code:	01N/05W-34M01 S	User ID:	TAN
FRDS Number:	3610038001	County:	San Bernardino
District Number:	13	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1172400.0	Precision:	1 Mile (One Minute)
Source Name:	AIRPORT WELL (RIALTO 03)		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:	150 S PALM AVE RIALTO, CA 92376		
Pop Served:	48418	Connections:	11080
Area Served:	RIALTO		

Sample Collected:	01/31/2002 00:00:00	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/20/2002 00:00:00	Findings:	9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/20/2002 00:00:00	Findings:	.635 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/12/2002 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/12/2002 00:00:00	Findings:	9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/18/2002 00:00:00	Findings:	6.2 UG/L
Chemical:	VANADIUM		
Sample Collected:	08/14/2002 00:00:00	Findings:	.808 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/05/2002 00:00:00	Findings:	.805 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/12/2003 00:00:00	Findings:	8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/24/2004 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/24/2004 00:00:00	Findings:	4.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/24/2004 00:00:00	Findings:	2 UG/L
Chemical:	BROMODICHLOROMETHANE (THM)		
Sample Collected:	02/24/2004 00:00:00	Findings:	2 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		

Sample Collected:	02/24/2004 00:00:00	Findings:	1.3 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/24/2004 00:00:00	Findings:	5.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/25/2005 00:00:00	Findings:	6.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/24/2005 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/24/2005 00:00:00	Findings:	4 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/24/2005 00:00:00	Findings:	7.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/22/2005 00:00:00	Findings:	160 UG/L
Chemical:	ALUMINUM		
Sample Collected:	03/22/2005 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2005 00:00:00	Findings:	7.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/29/2005 00:00:00	Findings:	6.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/29/2005 00:00:00	Findings:	7.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/13/2005 00:00:00	Findings:	25 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/13/2005 00:00:00	Findings:	380 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/13/2005 00:00:00	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	06/13/2005 00:00:00	Findings:	160 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/13/2005 00:00:00	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/13/2005 00:00:00	Findings:	170 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/13/2005 00:00:00	Findings:	58 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/13/2005 00:00:00	Findings:	6.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/13/2005 00:00:00	Findings:	11 MG/L
Chemical:	SODIUM		
Sample Collected:	06/13/2005 00:00:00	Findings:	2.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/13/2005 00:00:00	Findings:	6.5 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/13/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/13/2005 00:00:00	Findings:	260 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/13/2005 00:00:00	Findings:	.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP		
Sample Collected:	06/13/2005 00:00:00	Findings:	16 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/13/2005 00:00:00	Findings:	.31 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/13/2005 00:00:00	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/13/2005 00:00:00	Findings:	9.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/17/2006 00:00:00	Findings:	9.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/23/2006 00:00:00	Findings:	190 UG/L
Chemical:	BORON		
Sample Collected:	02/23/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/23/2006 00:00:00	Findings:	4.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/23/2006 00:00:00	Findings:	14 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/21/2006 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/21/2006 00:00:00	Findings:	10 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2006 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/08/2006 00:00:00	Findings:	15 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/08/2006 00:00:00	Findings:	.94 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/19/2006 00:00:00	Findings:	8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/28/2006 00:00:00	Findings:	7.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/06/2006 00:00:00	Findings:	7.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/13/2006 00:00:00	Findings:	7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/20/2006 00:00:00	Findings:	1.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/20/2006 00:00:00	Findings:	5.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/20/2006 00:00:00	Findings:	7.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/03/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/03/2006 00:00:00	Findings:	6.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/09/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/12/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/12/2006 00:00:00	Findings:	1.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/12/2006 00:00:00	Findings:	10 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/12/2006 00:00:00	Findings:	.567 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	09/12/2006 00:00:00	Findings:	.5 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	10/03/2006 00:00:00	Findings:	8.2 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/16/2006 00:00:00	Findings:	.91 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	7.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/16/2006 00:00:00	Findings:	.8 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/16/2006 00:00:00	Findings:	.466 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	.48 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	01/03/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/03/2007 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/03/2007 00:00:00	Findings:	8.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/15/2007 00:00:00	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/15/2007 00:00:00	Findings:	16 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/07/2007 00:00:00	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/07/2007 00:00:00	Findings:	15 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/07/2007 00:00:00	Findings:	20 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/04/2007 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	04/04/2007 00:00:00	Findings:	27 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/02/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/02/2007 00:00:00	Findings:	30 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/12/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/12/2007 00:00:00	Findings:	31 UG/L
Chemical:	PERCHLORATE		

Sample Collected:	07/17/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	14 UG/L
Chemical:	PERCHLORATE		

D18
NW
1/2 - 1 Mile
Higher

CA WELLS **CADW10000007002**

Longn:	-117.4006
Latn:	34.1333
Stwellno:	01N05W34D003S
Districtco:	3
Welluseccd:	Z
Countycode:	36
Gwcode:	800204
Site id:	CADW10000007002

D19
NW
1/2 - 1 Mile
Higher

CA WELLS **CADW10000007003**

Longn:	-117.4006
Latn:	34.1333
Stwellno:	01N05W34D004S
Districtco:	3
Welluseccd:	Z
Countycode:	36
Gwcode:	800204
Site id:	CADW10000007003

D20
NW
1/2 - 1 Mile
Higher

CA WELLS **CADW10000007000**

Longn:	-117.4006
Latn:	34.1333
Stwellno:	01N05W34D001S
Districtco:	3
Welluseccd:	Z
Countycode:	36
Gwcode:	800204
Site id:	CADW10000007000

D21
NW
1/2 - 1 Mile
Higher

CA WELLS **CADW10000007001**

Longn:	-117.4006
Latn:	34.1333
Stwellno:	01N05W34D002S
Districtco:	3
Welluseccd:	Z
Countycode:	36
Gwcode:	800204
Site id:	CADW10000007001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
92376	11	0	0.00

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map,USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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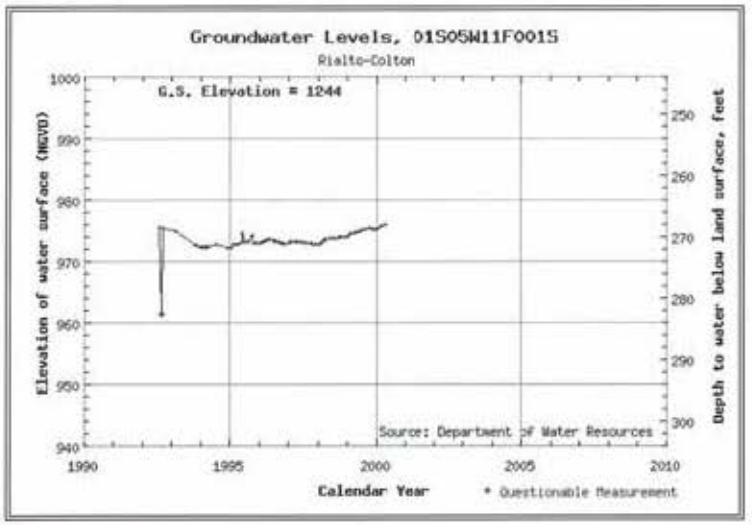
APPENDIX D

Supporting Documentation

Groundwater Level Data, 01S05W11F001S

Your selection returned a total of **83** records. Wells in the Department of Water Resources monitoring network are identified by a State Well Number, which is based on the Public Land Grid System. The table headings and records contain several codes and abbreviations. Press the ***New Search*** or ***Nearby Search*** buttons or at the bottom of the page to begin a new data retrieval. Data for this well can also be downloaded in MS Excel or text delimited format.



Groundwater Level Readings								
Meas. Date	R.P. Elev.	G.S. Elev.	RPWS	WSE	GSWS	QM Code	NM Code	Agency
07-14-1992	1244.0	1244.0	268.4	975.6	268.4			5000
08-06-1992	1244.0	1244.0	282.7	961.3	282.7	4		5000
08-25-1992	1244.0	1244.0	268.7	975.3	268.7			5000
01-30-1993	1244.0	1244.0	269.2	974.8	269.2			5000
10-19-1993	1244.0	1244.0	271.5	972.5	271.5			5000
12-13-1993	1244.0	1244.0	271.7	972.3	271.7			5000
01-07-1994	1244.0	1244.0	271.8	972.2	271.8			5000
01-28-1994	1244.0	1244.0	271.8	972.2	271.8			5000
02-08-1994	1244.0	1244.0	271.8	972.3	271.8			5000
02-16-1994	1244.0	1244.0	271.8	972.2	271.8			5000
02-24-1994	1244.0	1244.0	271.8	972.2	271.8			5000
03-30-1994	1244.0	1244.0	271.7	972.3	271.7			5000
06-21-1994	1244.0	1244.0	271.2	972.8	271.2			5000
11-17-1994	1244.0	1244.0	271.9	972.2	271.9			5000
12-30-1994	1244.0	1244.0	271.9	972.1	271.9			5000
02-07-1995	1244.0	1244.0	271.3	972.8	271.3			5000
03-03-1995	1244.0	1244.0	271.3	972.7	271.3			5000
04-06-1995	1244.0	1244.0	271.3	972.7	271.3			5000
05-16-1995	1244.0	1244.0	270.9	973.1	270.9			5000
05-18-1995	1244.0	1244.0	269.6	974.4	269.6			5000

06-15-1995	1244.0	1244.0	270.9	973.1	270.9			5000
06-26-1995	1244.0	1244.0	270.9	973.1	270.9			5000
07-05-1995	1244.0	1244.0	271.0	973.0	271.0			5000
08-09-1995	1244.0	1244.0	270.9	973.1	270.9			5000
09-20-1995	1244.0	1244.0	270.0	974.0	270.0			5000
10-11-1995	1244.0	1244.0	271.0	973.0	271.0			5000
11-07-1995	1244.0	1244.0	271.1	972.9	271.1			5000
12-11-1995	1244.0	1244.0	271.2	972.8	271.2			5000
01-03-1996	1244.0	1244.0	271.1	972.9	271.1			5000
01-29-1996	1244.0	1244.0	271.0	973.0	271.0			5000
02-15-1996	1244.0	1244.0	270.9	973.1	270.9			5000
03-07-1996	1244.0	1244.0	270.7	973.3	270.7			5000
04-02-1996	1244.0	1244.0	270.4	973.6	270.4			5000
05-02-1996	1244.0	1244.0	270.5	973.5	270.5			5000
06-05-1996	1244.0	1244.0	270.6	973.4	270.6			5000
06-13-1996	1244.0	1244.0	270.7	973.3	270.7			5000
06-20-1996	1244.0	1244.0	270.7	973.3	270.7			5000
07-03-1996	1244.0	1244.0	270.8	973.2	270.8			5000
07-15-1996	1244.0	1244.0	270.8	973.2	270.8			5000
08-13-1996	1244.0	1244.0	270.9	973.1	270.9			5000
09-12-1996	1244.0	1244.0	271.0	973.0	271.0			5000
10-04-1996	1244.0	1244.0	271.1	973.0	271.1			5000
11-05-1996	1244.0	1244.0	271.2	972.8	271.2			5000
12-17-1996	1244.0	1244.0	271.1	972.9	271.1			5000
01-15-1997	1244.0	1244.0	271.0	973.0	271.0			5000
02-13-1997	1244.0	1244.0	270.9	973.2	270.9			5000
03-12-1997	1244.0	1244.0	270.9	973.2	270.9			5000
04-10-1997	1244.0	1244.0	270.9	973.1	270.9			5000
05-02-1997	1244.0	1244.0	270.9	973.1	270.9			5000
06-06-1997	1244.0	1244.0	270.9	973.1	270.9			5000
07-09-1997	1244.0	1244.0	271.1	972.9	271.1			5000
08-27-1997	1244.0	1244.0	271.2	972.8	271.2			5000
09-24-1997	1244.0	1244.0	271.2	972.8	271.2			5000
10-04-1997	1244.0	1244.0	271.2	972.8	271.2			5000
11-05-1997	1244.0	1244.0	271.4	972.6	271.4			5000
12-03-1997	1244.0	1244.0	271.3	972.7	271.3			5000
01-07-1998	1244.0	1244.0	271.3	972.7	271.3			5000
02-10-1998	1244.0	1244.0	270.9	973.1	270.9			5000
03-04-1998	1244.0	1244.0	270.5	973.5	270.5			5000
04-03-1998	1244.0	1244.0	270.4	973.6	270.4			5000
05-05-1998	1244.0	1244.0	270.4	973.6	270.4			5000
06-17-1998	1244.0	1244.0	270.3	973.8	270.3			5000
07-16-1998	1244.0	1244.0	270.2	973.8	270.2			5000
08-13-1998	1244.0	1244.0	270.3	973.7	270.3			5000
09-15-1998	1244.0	1244.0	270.1	973.9	270.1			5000
10-05-1998	1244.0	1244.0	270.1	973.9	270.1			5000
11-10-1998	1244.0	1244.0	270.1	974.0	270.1			5000
12-10-1998	1244.0	1244.0	270.0	974.0	270.0			5000
01-05-1999	1244.0	1244.0	269.9	974.1	269.9			5000
02-04-1999	1244.0	1244.0	269.6	974.4	269.6			5000
03-04-1999	1244.0	1244.0	269.5	974.5	269.5			5000

04-02-1999	1244.0	1244.0	269.4	974.6	269.4			5000
05-06-1999	1244.0	1244.0	269.2	974.8	269.2			5000
06-09-1999	1244.0	1244.0	269.1	974.9	269.1			5000
06-24-1999	1244.0	1244.0	268.9	975.1	268.9			5000
07-22-1999	1244.0	1244.0	268.9	975.1	268.9			5000
09-03-1999	1244.0	1244.0	268.8	975.2	268.8			5000
10-04-1999	1244.0	1244.0	268.6	975.4	268.6			5000
11-03-1999	1244.0	1244.0	268.9	975.1	268.9			5000
12-09-1999	1244.0	1244.0	268.9	975.1	268.9			5000
01-13-2000	1244.0	1244.0	268.7	975.3	268.7			5000
03-01-2000	1244.0	1244.0	268.3	975.7	268.3			5000
04-12-2000	1244.0	1244.0	268.2	975.8	268.2			5000

Well Coordinates

Projection	Datum	Easting	Northing	Units	Zone
UTM	NAD27	465044	3773496	metres	11
LL	NAD27	117.3781	34.1017	decimal degrees	

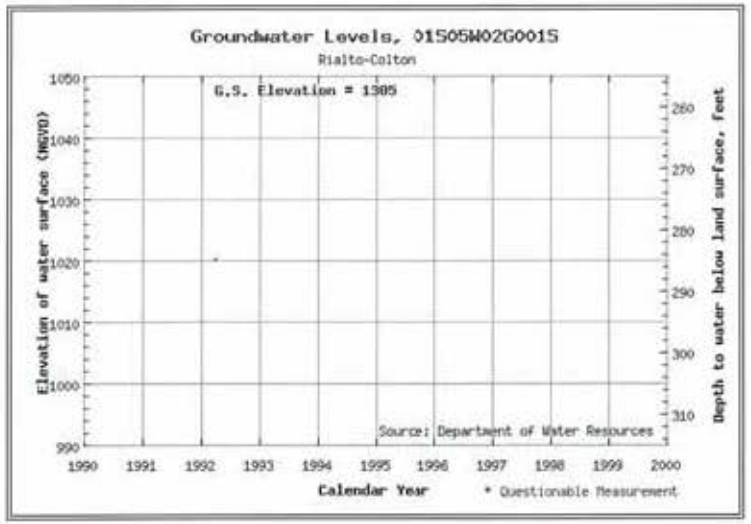
Well Use: Undetermined

For more information contact:
Department of Water Resources, Southern District
Groundwater Section
770 Fairmont Avenue
Glendale, CA 91203

Phone: 818-500-1645, ext. 233
Fax: 818-543-4604

Groundwater Level Data, 01S05W02G001S

Your selection returned a total of 1 records. Wells in the Department of Water Resources monitoring network are identified by a State Well Number, which is based on the Public Land Grid System. The table headings and records contain several codes and abbreviations. Press the ***New Search*** or ***Nearby Search*** buttons or at the bottom of the page to begin a new data retrieval. Data for this well can also be downloaded in MS Excel or text delimited format.



Groundwater Level Readings								
Meas. Date	R.P. Elev.	G.S. Elev.	RPWS	WSE	GSWS	QM Code	NM Code	Agency
03-23-1992	1305.0	1305.0	284.9	1020.1	284.9			5000

Well Coordinates					
Projection	Datum	Easting	Northing	Units	Zone
UTM	NAD27	465536	3774911	metres	11
LL	NAD27	117.3728	34.1145	decimal degrees	

Well Use: Undetermined

For more information contact:
Department of Water Resources, Southern District
Groundwater Section
770 Fairmont Avenue
Glendale, CA 91203

Phone: 818-500-1645, ext. 233
Fax: 818-543-4604

Citizen's Guide To The Water Board Hearings On Perchlorate In Rialto

The State Water Resources Control Board, known as the State Water Board, is California's authority on water quality and water rights. One of the Board's jobs is deciding cases about water. To make the right decision, the Board sometimes holds hearings to look at evidence, hear witnesses and listen to legal arguments.

The State Water Board is holding hearings about perchlorate contamination of groundwater in the Rialto area with a main focus on 160 acres in Rialto. At the hearing, evidence will be collected and legal and policy arguments will be heard. Some of the issues expected to be considered are how did the contamination occur, who is responsible and who should be liable for the cost to investigate and clean up, as well as the methods and standards to be used to protect public health.

A hearing officer, Ms. Tam Doduc, chair of the State Water Board, will run the proceedings. State law requires that the hearing officer is always neutral and can only receive information from witnesses and interested parties during the formal hearing process.

Ms. Doduc's advisory team will be seated on the stage with her. The advisory team is the group of experts (four state water board attorneys and a water science expert) who help her with different decisions before, during, and after the hearing. Other state water board members may join Ms. Doduc on stage during the proceeding. Other team members, including support staff, and an attorney will be in the hearing room. Like Ms. Doduc, the advisory team members can only receive information during the actual hearing proceedings.

In this hearing, there are six parties. They are: The Santa Ana Regional Water Quality Control Board, the city of Rialto, Goodrich Corporation, Pyro Spectaculars, Emhart Industries, and the Center for Community Action and Environmental Justice. Shortly before the hearing, Ms. Doduc will decide in what order the parties will speak.

This is a hearing, not a trial. No one has been charged with any criminal wrongdoing. In general, the Advocacy Team from the Santa Ana Regional Water Board claims that Goodrich Corporation, Pyro Spectaculars and Emhart Industries are responsible for the perchlorate contamination. The Advocacy Team is like the prosecution in a trial. Its job is to prove the many issues of fact and law in the hearing. The Advocacy Team must prove each element of their case by a 'preponderance of the evidence.'

After the Advocacy Team presents its case, the other parties will follow. In this hearing, each party may support certain parts of the Advocacy Team's case, defend against other parts, and/or present entirely new arguments.

Members of the public, referred to as 'interested parties,' can also speak and present their views but cannot present evidence or ask questions. Interested parties may speak for a limited time about any of the issues raised in the hearing. People can speak even if they do not submit anything in writing, but they cannot present any documents. If you want to speak during the hearing, you must fill in a card that will be available at

the rear of the room. You will be called to the podium in the front of the room.

After all of the parties make their cases and the interested persons speak, the hearing will adjourn.

After the Hearing Officer considers the evidence, testimony, and the arguments made by the parties and interested persons, Ms. Doduc will recommend a decision to the entire five member State Water Board at a regular Board meeting. The Board will decide whether to issue an order that may tell the parties when and how to investigate and clean up the site and who is responsible for portions of the cleanup cost.

Any final order will be issued by a vote of the full Board at a public meeting in Sacramento.

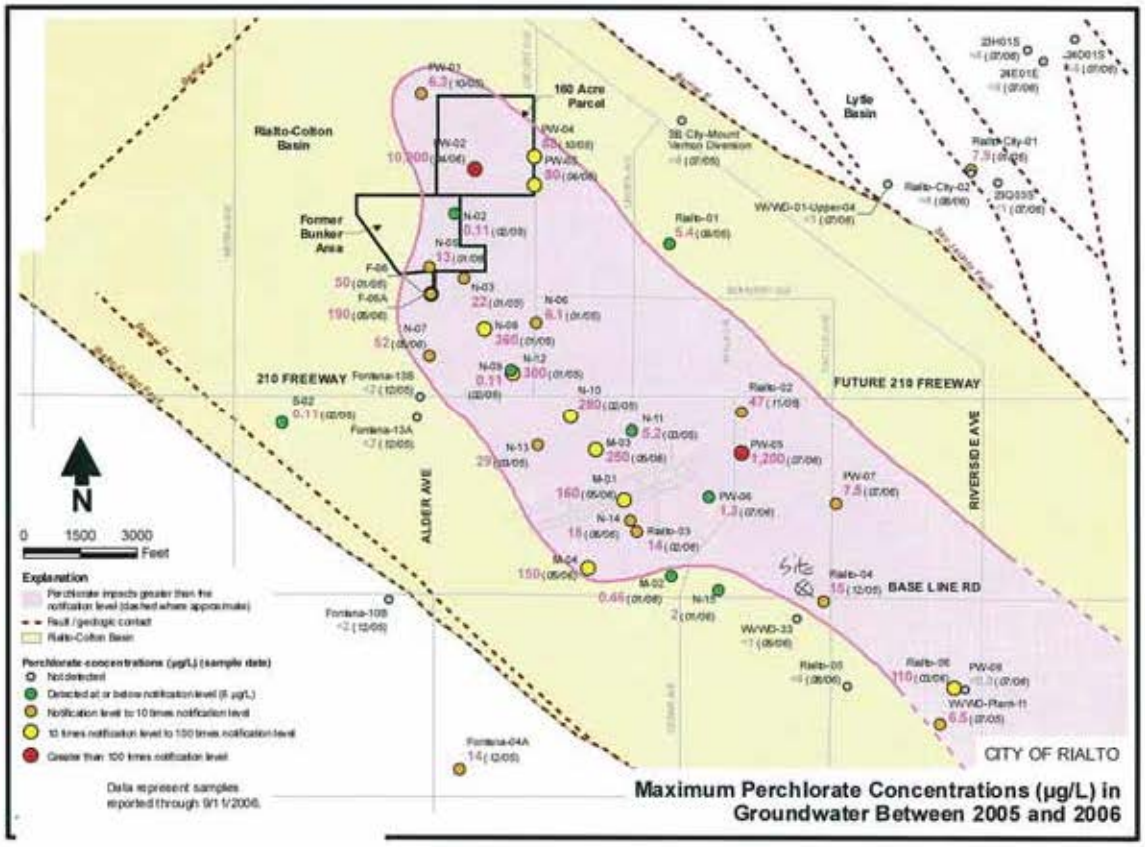
Dates for Ms. Doduc's recommendation and the full Board's vote, will be listed at http://www.waterboards.ca.gov.

California Water Boards

State Water Resources Control Board

Citizen's Guide To The Water Board Hearings On Perchlorate In Rialto

2007



Maximum Perchlorate Concentrations (µg/L) in Groundwater Between 2005 and 2006

The 160 Acre Site

West Coast Loading Corporation - 1950s

The War Assets Administration (now the Department of Defense) owned and operated facilities in the Rialto Ammunition Storage Point (also called the RASP site) located in the northern portion of Rialto from approximately 1941 to 1946. The War Assets Administration constructed munitions storage bunkers and railroad spurs, and undertook munitions and ordnance shipping, testing and handling, military operations and burning, and on-site disposal operations, which resulted in the disposal, discharge and release of perchlorate-containing products, substances and wastes into the environment. In the early 1950s, West Coast Loading Corporation, which manufactured products under contract with the United States Department of Defense, built a production facility for loading ammunition, ordnance and pyrotechnics shells with chemicals. West Coast Loading's facility was located on a 160-acre site within the former RASP site. Many of the items built by West Coast Loading used perchlorate.

WCLC Products

West Coast Loading is out of business. The City believes that the legal successors to West Coast Loading include Kwikset (the maker of Kwikset Locks), Black and Decker, Inc. (the maker of Black and Decker tools) and Emhart Industries, Inc. The City believes that one or more of these corporations is legally responsible for the releases of perchlorate by West Coast Loading.

Today the 160 acre site sits in the middle of Rialto, adjacent to numerous homes and further-developing real estate. Click here to view the map of the160-acre site and the County of San Bernardino's.

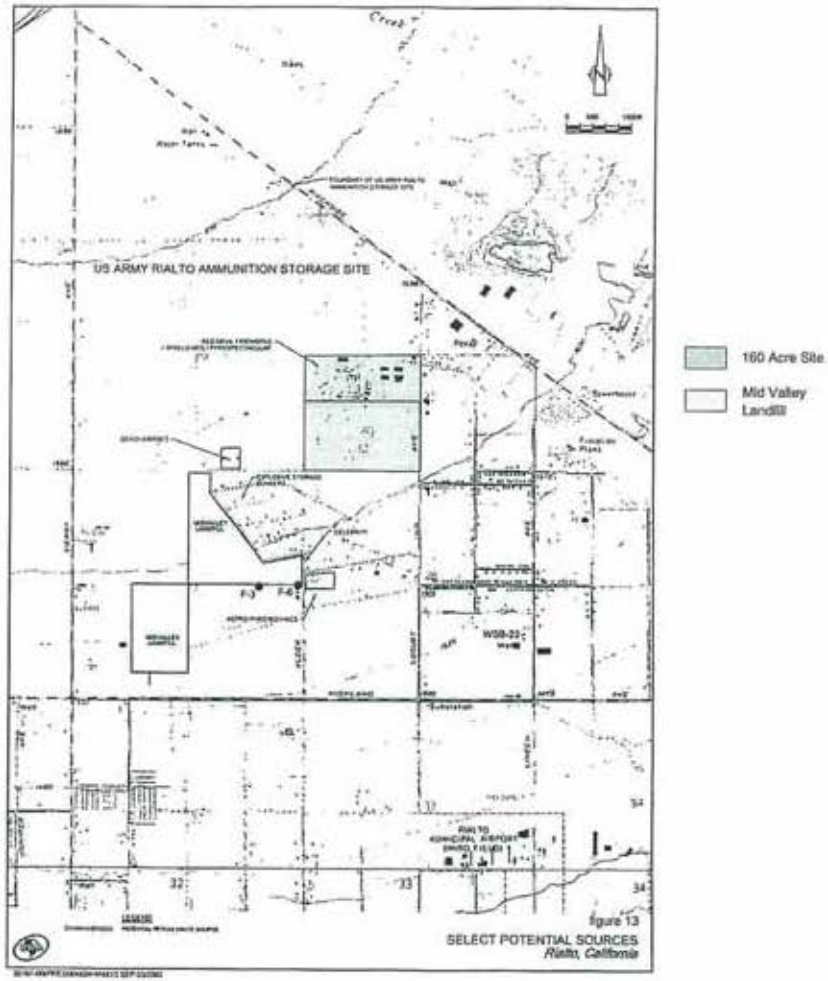
Goodrich Rocket Test Firing in Rialto (1960s)

In 1957, B.F. Goodrich Corporation purchased the West Coast Loading Corporation site. Goodrich performed solid propellant research and development for the United States Air Force and others at the site including rocket engine testing until 1963. Goodrich sold the property in 1966. Goodrich used ammonium perchlorate as an oxidizer in the manufacture of solid rocket propellants at the site.

To Learn More About the Regional Water Quality Control Board Enforcement Orders against B.F. Goodrich, visit: http://www.waterboards.ca.gov/santaana/html/perchlorate.html

After B.F. Goodrich sold the property, it has been used by a variety of other defense and industrial contractors. Today, the 160 acre site is still in use by some fireworks manufacturers, and perchlorate is still used on the property in connection with those operations.

Rialto believes that ALL of the above referenced companies and entities have contributed to the problem by discharging perchlorate into our environment.



California Regional Water Quality Control Board
Santa Ana Region

Cleanup and Abatement Order No. R8-2003-0013
for
County of San Bernardino, Solid Waste Management Division
City of Rialto, San Bernardino County

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter Regional Board), finds that:

1. The County of San Bernardino (hereinafter County) currently owns property in Sections 28 and 29, Township 1 North, Range 5 West, San Bernardino Base and Meridian, in the County of San Bernardino, State of California.

2. The County operates the Mid-Valley Sanitary Landfill (MVSL) on the property noted above. This property overlies the Rialto Groundwater Subbasin. The MVSL property consists of about 497 acres, of which about 222 acres are currently used for waste disposal activities. A sand and gravel operation utilizes a portion of the property in accordance with a formal agreement between the County and the sand and gravel operator. Soil is stockpiled on another portion of the property for processing by the sand and gravel operation prior to use of that portion of the property for landfilling. Ultimately, waste disposal activities will be expanded to include about 408 acres of the property, all within Section 29.

3. The MVSL is a municipal solid waste disposal facility that has been operated by the County since 1958. Landfilling of waste has been conducted in phases, with each phase consisting of waste being applied on a different portion of the property. Early phases of the landfill (Units 1 and 2) were constructed on native soil without a clay or synthetic liner, or a leachate collection system. The most recent phase of the landfill (Unit 3) began operation in 2002. This phase has, and all future phases (Units 4 and 5) will have, a double composite liner and a leachate collection and removal system.

4. Perchlorate, in the form of perchlorate salts, such as ammonium perchlorate, was used historically, and is still used, by several tenants of properties in close proximity to the landfill. Therefore, it is possible that the landfill may have accepted perchlorate waste from these neighboring tenants. However, there is currently no evidence that perchlorate waste was disposed in the landfill or that there has been a discharge of perchlorate from Units 1, 2 or 3 of the landfill.

5. The County purchased the northeast area of its current property in 1994. This property contained storage bunkers that were known to have housed explosives, chemicals, propellant, oxidizers, and fireworks. These bunkers were constructed, and were initially used, by the military in the mid-1940s. The bunkers were used subsequently by aerospace, hazardous waste and fireworks companies. Perchlorate salts were handled and stored in these bunkers. The County's operations contractor demolished the bunkers in 1998. A portion of this area is currently utilized by a sand and gravel operation.

6. Perchlorate salts are highly soluble and dissociate in water to form perchlorate ions. There are currently no state or federal drinking water standards for perchlorate. However, in 1997, the California Department of Health Services (DHS) established a drinking water Action Level (AL) for perchlorate of 18 parts per billion (ppb), and in 2002, DHS lowered the AL to four ppb. An AL is a temporary safe drinking water level that is based on limited studies that have been performed. Perchlorate is currently present in the Rialto, Colton, Chino I and Chino II Groundwater Subbasins. The West San Bernardino County Water District, the Fontana Water Company, and the Cities of Rialto and Colton have limited or ceased use of 20 municipal water supply wells that exceed the AL for perchlorate.

7. Municipal water supply wells in the Rialto, Colton, Chino I and Chino II Groundwater Subbasins have been, or are likely to be, affected by the perchlorate pollution in these basins. Regional Board staff is currently attempting to identify all parties that may have discharged perchlorate in these basins.

8. Perchlorate was initially detected in low concentrations (less than 5 ppb) in two of the MVSL monitoring wells in 1997. In 2001, the concentration of perchlorate in one of these wells increased significantly, to 250 ppb. As a result, the County increased its monitoring for perchlorate in existing monitoring wells and assessed possible perchlorate sources on its property, which included collecting and analyzing soil samples and process water samples from the sand and gravel operation on the northeast area of the County's property. The County found that the source of the perchlorate currently found in groundwater immediately adjacent to, and downgradient of, the County's property may be from the northeast area of its property that the County purchased in 1994.

9. Beginning in August 2002, the County installed six monitoring wells on, and in the vicinity of, the northeast area of their property. The analytical results of groundwater samples obtained from these monitoring wells showed that perchlorate was not present in the monitoring wells located

upgradient of the northeast area of the County's property, but was present in concentrations as high as 1,000 ppb in a monitoring well downgradient of the northeast area.

10. On September 26, 2002, the Executive Officer issued an Investigation Order to the County. This Order directed the County to further define the lateral and vertical extent of perchlorate in soil and groundwater in the vicinity of the MVSL.

11. On November 15, 2002, the County submitted a work plan to further define the lateral and vertical extent of perchlorate. Board staff has completed its review of the work plan, and is coordinating and evaluating comments on the work plan that are being submitted by other interested parties.

12. Based on the results of the soil and groundwater investigations conducted by the County, it is evident that perchlorate is being discharged to groundwater from property that is currently owned by the County.

13. The beneficial uses of the Rialto Groundwater Subbasin include:

    A. Municipal and domestic supply,
    B. Agricultural supply,
    C. Industrial service supply, and
    D. Industrial process supply.

14. The County has caused or permitted, or is causing or permitting, waste, i.e., perchlorate, to be discharged to waters of the state, specifically the Rialto Groundwater Subbasin, and has created, or threatens to create, a condition of pollution or nuisance. (The term "waste" as used here is defined at Water Code §13050(d).)

15. California Water Code Section 13304 allows the Regional Board to recover reasonable expenses from responsible parties for overseeing cleanup and abatement activities. It is the Regional Board's intent to recover such costs for regulatory oversight work conducted in accordance with this order.

16. This enforcement action is being taken by a regulatory agency to enforce a water quality law. Such action is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) in accordance with Section 15321, Article 19, Division 3, Title 14, California Code of Regulations.

17. Additional investigation is necessary to define the vertical and lateral extent of the perchlorate that is discharging, has been discharged, or threatens to be discharged, from the County's property.

18. It is appropriate to order the County to clean up and abate the effects of the discharge of perchlorate from property that the County currently owns and controls.

19. A similar order may be issued at a later date to former tenants or former owners of the County's property if Regional Board staff obtains additional information indicating that other specific tenants or owners have also discharged perchlorate that is present in the groundwater.

IT IS HEREBY ORDERED THAT, pursuant to Section 13304, Article 1, Chapter 5, Division 7, of the California Water Code, the County of San Bernardino shall cleanup and abate the effects of the discharge at the site as follows:

1. Implement the work plan submitted on November 15, 2002, as approved by the Executive Officer, in order to further define the lateral and vertical extent of the perchlorate that is discharging, has been discharged, or threatens to be discharged, from the County's property noted in Finding 1, above.

2. Prepare and implement additional work plans that the Executive Officer deems necessary to sufficiently characterize the lateral and vertical extent of perchlorate that is discharging, has been discharged, or threatens to be discharged, from the County's property. The work plans shall be implemented in accordance with time schedules approved by the Executive Officer.

3. After the Executive Officer determines that the lateral and vertical extent of perchlorate that is discharging, has been discharged, or threatens to be discharged from the County's property has been sufficiently defined, submit a detailed remedial action plan, including an implementation schedule, to cleanup or abate the effects of the perchlorate that is discharging, has been discharged, or threatens to be discharged, from the County's property. The remedial action plan and implementation schedule shall be submitted within 60 days of the Executive Officer's notification to the County that the definition of the extent of perchlorate is sufficiently complete. The remedial action plan and schedule shall be subject to approval by the Executive Officer.

4. Implement the remedial action plan in 3., above, as approved by the Executive Officer.

I, Gerard J. Thibeault, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on January 17, 2003.

Gerard J. Thibeault
Executive Officer

California Regional Water Quality Control Board
Santa Ana Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov/rwqcb8
3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (909) 782-4130 - FAX (909) 781-6288

Gray Davis
Governor

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov/rwqcb8.

January 24, 2003

Mr. Peter H. Wulfman
Division Manager
Solid Waste Management Division
County of San Bernardino
Department of Public Works
222 West Hospitality Lane, Second Floor
San Bernardino, CA 92415-0017

TRANSMITTAL OF ADOPTED CLEANUP AND ABATEMENT ORDER NO. R8-2003-0013 FOR THE COUNTY OF SAN BERNARDINO, SOLID WASTE MANAGEMENT DIVISION

Dear Mr. Wulfman:

At the regular Board Meeting held on January 17, 2003, the Regional Board adopted Cleanup and Abatement Order No. R8-2003-0013. A certified original copy is enclosed for your records. The adopted order includes two changes to the draft Order that were made at the Board Meeting (see Finding 14 and the statement immediately following Finding 19).

If you have any questions, please contact me at (909) 782-3284, Ann Sturdivant, Chief of the Board's SLIC/DoD Section, at (909) 782-4904, or Kamron Saremi, staff engineer, at (909) 782-4303.

Sincerely,

for Gerard J. Thibeault
Executive Officer

Enclosure: Cleanup and Abatement Order No. R8-2003-0013

cc w/enclosure (see attached mailing list)

k:\data\slic\perchlorate riello-colton\SB Co.CAO transmittal ltr

Holtz, Janet

From: erren.oleary@lewisop.com
Sent: Monday, November 12, 2007 5:00 PM
To: Jack Lovell
Cc: Holtz, Janet; Tim Howard; bryan.goodman@lewisop.com
Subject: Re: Phase I Questions - Olive Grove Site

1. The soil is excess dirt that we allowed Shea to stockpile on Olive Grove from their Elm Park project at the southeast corner of Cactus and Baseline. We also thought we might need some import for Olive Grove as a residential project.
2. It is also my understanding the paths are fire breaks.

Erren O'Leary
Lewis Operating Corp.
Vice President - Land Sales and Disposition
Office: (909) 946-7515
Mobile: (909) 438-8394
Fax: (909) 931-5510

"Jack Lovell" <JLovell@oakmontre.com>

11/12/2007 04:53 PM

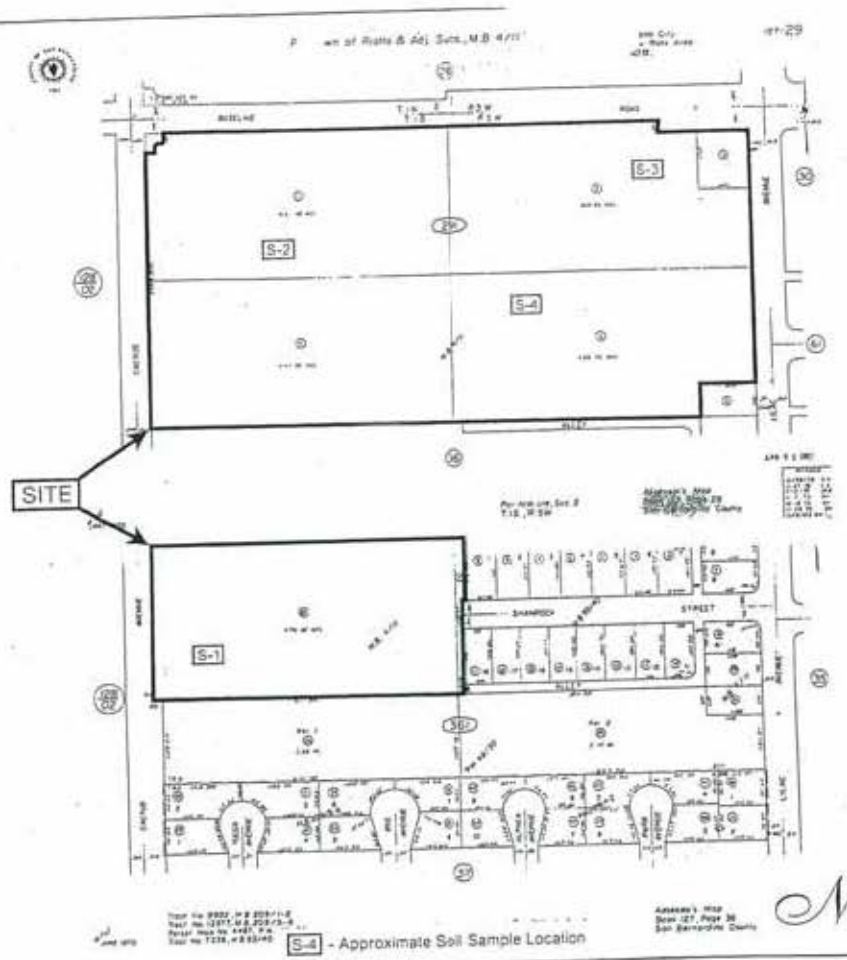
To <erren.oleary@lewisop.com>
cc "Tim Howard" <THoward@oakmontre.com>, "Holtz, Janet" <Janet.Holtz@lfr.com>
Subject Phase I Questions - Olive Grove Site

Erren:

Hope you are well. With regard to the Phase I Environmental report that is being produced on our behalf for the 31 acre Olive Grove site, our engineers had two concerns which we were hoping that you or someone else from Lewis could provide additional information on.

1. Unidentified soil piles along the easterly property line. The piles appear to be fairly new as they were not visible on pervious years aerials.
2. The reason for the 25'0" - 30'0" pathways that criss-cross the site. The pathways are visible from aerials dating back to 1990. One of our environmental engineers suggested that they may be "fire-breaks" as required by the City of Rialto.

Best Regards,
Jack V. Lovell III
Development Associate
Oakmont Industrial Group
18201 West McDurmott Street, Suite E
Irvine, California 92614



SOIL SAMPLE LOCATION MAP

PROJECT:	CHEN PROPERTY, RIALTO, SAN BERNARDINO COUNTY, CA	PROJECT NO.:	31965.2
ENT:	LEWIS INVESTMENT COMPANY, LLC	ENCLOSURE:	E-1
		DATE:	AUGUST 2004
LOR Geotechnical Group, Inc.		SCALE:	REDUCED

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

Prisa Portfolio - Olive Grove
Northside of Baseline Road, West of Cactus Avenue
Rialto, CA 92376

Inquiry Number: 6521947.2s
June 03, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	180
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NORTHSIDE OF BASELINE ROAD, WEST OF CACTUS AVENUE
RIALTO, CA 92376

COORDINATES

Latitude (North):	34.1229060 - 34° 7' 22.46''
Longitude (West):	117.3903060 - 117° 23' 25.10''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	464007.2
UTM Y (Meters):	3775657.5
Elevation:	1379 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619058 FONTANA, CA
Version Date:	2012
Northeast Map:	5630643 SAN BERNARDINO NORTH, CA
Version Date:	2012
Southeast Map:	5620416 SAN BERNARDINO SOUTH, CA
Version Date:	2012
Northwest Map:	5630611 DEVORE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NORTHSIDE OF BASELINE ROAD, WEST OF CACTUS AVENUE
RIALTO, CA 92376

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CLASSIFIED COMPLETE	1285 N FITZGERALD AV	RCRA NonGen / NLR	Higher	148, 0.028, WNW
A2	K T AUTO LLC DBA HI	1285 N FITZGERALD AV	RCRA NonGen / NLR	Higher	148, 0.028, WNW
A3	CLASSIFIED COMPLETE	1285 N FITZGERALD AV	San Bern. Co. Permit	Higher	148, 0.028, WNW
A4	DYNAMIC POWDER COATI	1265 N FITZGERALD AV	San Bern. Co. Permit, CERS	Higher	148, 0.028, West
A5	COMPRESSOR COMPONENT	1325 N FITZGERALD	RCRA NonGen / NLR	Higher	262, 0.050, WNW
B6	BENCHMARK INKS & COA	1245 N FITZGERALD AV	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	262, 0.050, West
B7	GOOLSBYS TRANSMISSIO	1245 N FITZGERALD AV	EDR Hist Auto	Higher	262, 0.050, West
B8	BENCHMARK INKS AND C	1245 N FITZGERALD AV	San Bern. Co. Permit	Higher	262, 0.050, West
C9	GUADALAJARA'S AUTO R	1345 N FITZGERALD AV	RCRA NonGen / NLR	Higher	263, 0.050, WNW
C10	SI NOR INC	1345 FITZGERALD AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	263, 0.050, WNW
C11	DFR	1345 N FITZGERALD AV	San Bern. Co. Permit, CERS	Higher	263, 0.050, WNW
C12	AUTO MISSION L&R	1345 N FITZGERALD UN	RCRA NonGen / NLR	Higher	263, 0.050, WNW
C13	UNITECH AUTO REPAIR	1345 N FITZGERALD AV	San Bern. Co. Permit	Higher	263, 0.050, WNW
C14	GUADALAJARAS AUTO RE	1345 N FITZGERALD AV	San Bern. Co. Permit, CERS	Higher	263, 0.050, WNW
B15	AT&T CALIFORNIA - LB	1243 E FITZGERALD AV	San Bern. Co. Permit	Higher	279, 0.053, West
16	JORGE CASTILLO DBA J	1177 N ELMWOOD AVE	RCRA NonGen / NLR	Lower	323, 0.061, SW
C17	BAKER CNC MACHINING	1320 N FITZGERALD AV	San Bern. Co. Permit	Higher	393, 0.074, WNW
C18	BAKER CNC MACHINING	1320 N FITZGERALD AV	RCRA NonGen / NLR	Higher	393, 0.074, WNW
B19	A-QUALITY AUTO SERVI	1240 N FITZGERALD AV	RCRA NonGen / NLR	Higher	394, 0.075, West
B20	FRUCIANOS AUTOMOTIVE	1240 N FITZGERALD 11	EDR Hist Auto	Higher	394, 0.075, West
B21	GST AUTO SERVICE	1240 N FITZGERALD AV	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Higher	394, 0.075, West
B22	AFFORDABLE CABINET R	1240 N FITZGERALD AV	San Bern. Co. Permit	Higher	394, 0.075, West
B23	NICK JOHNSON PERFORM	1240 N FITZGERALD AV	RCRA NonGen / NLR	Higher	394, 0.075, West
D24	DI-WEST SAN BDNO CWD	855 W BASE LINE RD	UST	Lower	480, 0.091, ESE
D25	WEST SAN BERNARDINO	855 W BASE LINE RD	HIST UST	Lower	480, 0.091, ESE
D26	WEST VALLEY WATER DI	855 W. BASELINE	AST	Lower	480, 0.091, ESE
D27	WEST SAN BERNARDINO	855 WEST BASELINE	HIST UST	Lower	480, 0.091, ESE
D28	WEST VALLEY WATER DI	855 WEST BASE LINE R	CPS-SLIC, CERS	Lower	480, 0.091, ESE
D29	WEST SAN BERNARDINO	855 W BASELINE	SWEEPS UST, CERS TANKS, CA FID UST, NPDES, San...	Lower	480, 0.091, ESE
D30	WEST VALLEY WATER DI	855 W BASE LINE ROAD	RCRA-LQG, FINDS, ECHO	Lower	480, 0.091, ESE
31	CACTUS DUMP (RIALTO)	E 1/2,NE 1/4 OF S3,	SWF/LF, CERS	Lower	483, 0.091, ENE
E32	FUNCO MOTORSPORT INC	1280 N FITZGERALD AV	HAZNET, San Bern. Co. Permit, HWTS	Higher	501, 0.095, WNW
E33	FUNCO MOTORSPORT INC	1280 N FITZGERALD AV	RCRA NonGen / NLR	Higher	501, 0.095, WNW
B34	ROMERO'S MACHINE SHO	1260 N FITZGERALD AV	San Bern. Co. Permit	Higher	501, 0.095, West
B35	A & J AUTO REPAIR	1260 N FITZGERALD CI	San Bern. Co. Permit	Higher	501, 0.095, West
B36	J C AUTO REPAIR	1260 N FIZGERALD AVE	RCRA NonGen / NLR	Higher	501, 0.095, West
B37	HECTOR SMOKE CHECK	1260 N FITZGERALD AV	EDR Hist Auto	Higher	501, 0.095, West
B38	A&J AUTO REPAIR	1260 N FITZGERALD AV	RCRA NonGen / NLR	Higher	501, 0.095, West
39	WINPAK LANE INC	1365 N AYALA DR	RCRA NonGen / NLR	Higher	548, 0.104, NW

MAPPED SITES SUMMARY

Target Property Address:
NORTHSIDE OF BASELINE ROAD, WEST OF CACTUS AVENUE
RIALTO, CA 92376

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	POWER DIESEL	1436 N AYALA DR STE	RCRA NonGen / NLR	Higher	566, 0.107, NW
F41	INLAND JEEP	1436 N AYALA DR STE	RCRA NonGen / NLR	Higher	566, 0.107, NW
F42	INLAND JEEP	1436 N AYALA DR STE	San Bern. Co. Permit, HWTS	Higher	566, 0.107, NW
43	RAMINDER GREWAL	749 W MARGARITA ST	RCRA NonGen / NLR	Lower	841, 0.159, East
G44	AT&T MOBILITY - VERI	1481 N AYALA DR	San Bern. Co. Permit, CERS	Higher	857, 0.162, NNW
H45	ENNIS-FLINT	1450 N FITZGERALD AV	RCRA NonGen / NLR	Higher	864, 0.164, NW
H46	VALLEY POWER SYSTEMS	1450 N FITZGERALD AV	HAZNET, San Bern. Co. Permit, HWTS	Higher	864, 0.164, NW
H47	SCI PAVEMENT SERVICE	1450 N FITZGERALD AV	San Bern. Co. Permit	Higher	864, 0.164, NW
H48	VALLEY POWER SYSTEMS	1450 N FITZGERALD AV	RCRA NonGen / NLR	Higher	864, 0.164, NW
49	WEST SAN BERNARDINO	855 BASELINE WEST	LUST, Cortese, CERS	Lower	922, 0.175, SE
G50	RIALTO ANIMAL HOSPIT	1480 N AYALA DR	RCRA NonGen / NLR	Higher	925, 0.175, NNW
51	MEDLINE INDUSTRIES C	1960 MIRO WAY	CERS HAZ WASTE, CERS TANKS, San Bern. Co. Permit,...	Higher	961, 0.182, WNW
52	KLAERS AVIATION	1462 N FITZGERALD AV	San Bern. Co. Permit	Higher	1124, 0.213, NW
I53	7-ELEVEN # 33442	1276 W BASE LINE RD	CERS HAZ WASTE, CERS TANKS, HAZNET, San Bern. Co....	Higher	1171, 0.222, WSW
I54	7-ELEVEN # 33442	1276 W BASE LINE RD	RCRA NonGen / NLR	Higher	1171, 0.222, WSW
I55	7-ELEVEN INC #33442	1276 W BASE LINE RD	UST	Higher	1171, 0.222, WSW
56	CITY OF RIALTO/FIRE	1550 N AYALA DR	RCRA NonGen / NLR	Higher	1186, 0.225, NNW
J57	WEST COAST STORM INC	1188 LEISKE DR	San Bern. Co. Permit	Higher	1255, 0.238, NNW
J58	WEST COAST STORM INC	1188 LEISKE DR	RCRA NonGen / NLR, HAZNET, HWTS	Higher	1255, 0.238, NNW
59	CITY RIALTO WELL #4	725 W BASELINE RD	San Bern. Co. Permit	Lower	1310, 0.248, ESE
60	RIALTO MUNICIPAL AIR	1451 LINDEN AVENUE	CPS-SLIC, CERS	Higher	2595, 0.491, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROLS Institutional Controls Sites List

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR EnviroStor Database

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register
HIST Cal-Sites Historical Calsites Database
SCH School Property Evaluation Program
CDL Clandestine Drug Labs

Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information

UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
HAZNET ---- Facility and Manifest Data
ICE ---- ICE
HIST CORTESE ---- Hazardous Waste & Substance Site List
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WDR ---- Waste Discharge Requirements Listing
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---- Mineral Resources Data System
HWTS ---- Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST VALLEY WATER DI	***855 W BASE LINE ROAD***	***ESE 0 - 1/8 (0.091 mi.)***	***D30***	***79***
EPA ID:: CAL000270754				

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CACTUS DUMP (RIALTO)	***E 1/2,NE 1/4 OF S3,***	***ENE 0 - 1/8 (0.091 mi.)***	***31***	***82***
Database: SWF/LF (SWIS), Date of Government Version: 02/08/2021				
Facility ID: 36-CR-0006				
Operational Status: Closed				
Regulation Status: Pre-regulation				

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAN BERNARDINO	***855 BASELINE WEST***	***SE 1/8 - 1/4 (0.175 mi.)***	***49***	***119***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 03/08/2021
Facility Status: Case Closed
Global Id: T0607185912
Global ID: T0607185912
Status: Completed - Case Closed

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RIALTO MUNICIPAL AIR	***1451 LINDEN AVENUE***	***W 1/4 - 1/2 (0.491 mi.)***	***60***	***178***

Database: CPS-SLIC, Date of Government Version: 03/08/2021
Facility Status: Completed - Case Closed
Global Id: T10000002088

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST VALLEY WATER DI	***855 WEST BASE LINE R***	***ESE 0 - 1/8 (0.091 mi.)***	***D28***	***67***

Database: CPS-SLIC, Date of Government Version: 03/08/2021
Facility Status: Completed - Case Closed
Global Id: T10000002851

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
7-ELEVEN INC #33442	1276 W BASE LINE RD	WSW 1/8 - 1/4 (0.222 mi.)	I55	165

Database: UST, Date of Government Version: 03/08/2021

Facility Id: FA0009051

Lower Elevation	Address	Direction / Distance	Map ID	Page
DI-WEST SAN BDNO CWD	855 W BASE LINE RD	ESE 0 - 1/8 (0.091 mi.)	D24	65
Database: UST, Date of Government Version: 03/08/2021				
Facility Id: 86008446				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST VALLEY WATER DI	855 W. BASELINE	ESE 0 - 1/8 (0.091 mi.)	D26	66
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/20/2021 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BENCHMARK INKS & COA	***1245 N FITZGERALD AV***	***W 0 - 1/8 (0.050 mi.)***	***B6***	***21***
GST AUTO SERVICE	***1240 N FITZGERALD AV***	***W 0 - 1/8 (0.075 mi.)***	***B21***	***55***
MEDLINE INDUSTRIES C	***1960 MIRO WAY***	***WNW 1/8 - 1/4 (0.182 mi.)***	***51***	***125***
7-ELEVEN # 33442	***1276 W BASE LINE RD***	***WSW 1/8 - 1/4 (0.222 mi.)***	***I53***	***129***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAN BERNARDINO	***855 W BASELINE***	***ESE 0 - 1/8 (0.091 mi.)***	***D29***	***68***

Status: A
Tank Status: A
Comp Number: 42476

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAN BERNARDINO Facility Id: 00000042476	855 W BASE LINE RD	ESE 0 - 1/8 (0.091 mi.)	D25	65
WEST SAN BERNARDINO	855 WEST BASELINE	ESE 0 - 1/8 (0.091 mi.)	D27	66

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MEDLINE INDUSTRIES C	***1960 MIRO WAY***	***WNW 1/8 - 1/4 (0.182 mi.)***	***51***	***125***
7-ELEVEN # 33442	***1276 W BASE LINE RD***	***WSW 1/8 - 1/4 (0.222 mi.)***	***I53***	***129***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAN BERNARDINO	***855 W BASELINE***	***ESE 0 - 1/8 (0.091 mi.)***	***D29***	***68***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAN BERNARDINO Facility Id: 36002071 Status: A	***855 W BASELINE***	***ESE 0 - 1/8 (0.091 mi.)***	***D29***	***68***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that

there are 23 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLASSIFIED COMPLETE EPA ID:: CAL000439919	1285 N FITZGERALD AV	WNW 0 - 1/8 (0.028 mi.)	A1	9
K T AUTO LLC DBA HI EPA ID:: CAL000431276	1285 N FITZGERALD AV	WNW 0 - 1/8 (0.028 mi.)	A2	11
COMPRESSOR COMPONENT EPA ID:: CAL000145545	1325 N FITZGERALD	WNW 0 - 1/8 (0.050 mi.)	A5	18
GUADALAJARA'S AUTO R EPA ID:: CAL000368617	1345 N FITZGERALD AV	WNW 0 - 1/8 (0.050 mi.)	C9	30
SI NOR INC EPA ID:: CAD983635707	***1345 FITZGERALD AVE***	***WNW 0 - 1/8 (0.050 mi.)***	***C10***	***32***
AUTO MISSION L&R EPA ID:: CAL000434221	1345 N FITZGERALD UN	WNW 0 - 1/8 (0.050 mi.)	C12	39
BAKER CNC MACHINING EPA ID:: CAL000318000	1320 N FITZGERALD AV	WNW 0 - 1/8 (0.074 mi.)	C18	49
A-QUALITY AUTO SERVI EPA ID:: CAL000379594	1240 N FITZGERALD AV	W 0 - 1/8 (0.075 mi.)	B19	52
NICK JOHNSON PERFORM EPA ID:: CAL000452241	1240 N FITZGERALD AV	W 0 - 1/8 (0.075 mi.)	B23	62
FUNCO MOTORSPORT INC EPA ID:: CAL000315524	1280 N FITZGERALD AV	WNW 0 - 1/8 (0.095 mi.)	E33	86
J C AUTO REPAIR EPA ID:: CAL000435201	1260 N FIZGERALD AVE	W 0 - 1/8 (0.095 mi.)	B36	90
A&J AUTO REPAIR EPA ID:: CAL000354877	1260 N FITZGERALD AV	W 0 - 1/8 (0.095 mi.)	B38	93
WINPAK LANE INC	1365 N AYALA DR	NW 0 - 1/8 (0.104 mi.)	39	96
POWER DIESEL	1436 N AYALA DR STE	NW 0 - 1/8 (0.107 mi.)	F40	98
INLAND JEEP EPA ID:: CAL000396905	1436 N AYALA DR STE	NW 0 - 1/8 (0.107 mi.)	F41	101
ENNIS-FLINT EPA ID:: CAL000431206	1450 N FITZGERALD AV	NW 1/8 - 1/4 (0.164 mi.)	H45	110
VALLEY POWER SYSTEMS	1450 N FITZGERALD AV	NW 1/8 - 1/4 (0.164 mi.)	H48	117
RIALTO ANIMAL HOSPIT EPA ID:: CAL000300809	1480 N AYALA DR	NNW 1/8 - 1/4 (0.175 mi.)	G50	122
7-ELEVEN # 33442 EPA ID:: CAL000287111	1276 W BASE LINE RD	WSW 1/8 - 1/4 (0.222 mi.)	I54	162
CITY OF RIALTO/FIRE EPA ID:: CAL000301212	1550 N AYALA DR	NNW 1/8 - 1/4 (0.225 mi.)	56	165
WEST COAST STORM INC EPA ID:: CAR000220558	***1188 LEISKE DR***	***NNW 1/8 - 1/4 (0.238 mi.)***	***J58***	***168***

Lower Elevation	Address	Direction / Distance	Map ID	Page
JORGE CASTILLO DBA J EPA ID:: CAR000192773	1177 N ELMWOOD AVE	SW 0 - 1/8 (0.061 mi.)	16	46
RAMINDER GREWAL	749 W MARGARITA ST	E 1/8 - 1/4 (0.159 mi.)	43	105

EPA ID:: CAC003040922

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/17/2020 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAN BERNARDINO	***855 BASELINE WEST***	***SE 1/8 - 1/4 (0.175 mi.)***	***49***	***119***
Cleanup Status: COMPLETED - CASE CLOSED				

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 11/16/2020 has revealed that there are 23 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLASSIFIED COMPLETE Facility Status: ACTIVE Facility Id: FA0014850	1285 N FITZGERALD AV	WNW 0 - 1/8 (0.028 mi.)	A3	14
DYNAMIC POWDER COATI Facility Status: ACTIVE Facility Id: FA0002815	***1265 N FITZGERALD AV***	***W 0 - 1/8 (0.028 mi.)***	***A4***	***14***
BENCHMARK INKS AND C Facility Status: ACTIVE Facility Id: FA0012217	1245 N FITZGERALD AV	W 0 - 1/8 (0.050 mi.)	B8	29
DFR Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Id: FA0014126	***1345 N FITZGERALD AV***	***WNW 0 - 1/8 (0.050 mi.)***	***C11***	***35***
UNITECH AUTO REPAIR Facility Status: INACTIVE Facility Id: FA0014127	1345 N FITZGERALD AV	WNW 0 - 1/8 (0.050 mi.)	C13	41
GUADALAJARAS AUTO RE Facility Status: ACTIVE Facility Id: FA0014122	***1345 N FITZGERALD AV***	***WNW 0 - 1/8 (0.050 mi.)***	***C14***	***41***
AT&T CALIFORNIA - LB Facility Status: ACTIVE Facility Id: FA0018457	1243 E FITZGERALD AV	W 0 - 1/8 (0.053 mi.)	B15	46
BAKER CNC MACHINING Facility Status: INACTIVE Facility Id: FA0014175	1320 N FITZGERALD AV	WNW 0 - 1/8 (0.074 mi.)	C17	49
GST AUTO SERVICE Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Id: FA0014147	***1240 N FITZGERALD AV***	***W 0 - 1/8 (0.075 mi.)***	***B21***	***55***
AFFORDABLE CABINET R	1240 N FITZGERALD AV	W 0 - 1/8 (0.075 mi.)	B22	62

Facility Status: INACTIVE Facility Id: FA0009980				
FUNCO MOTORSPORT INC Facility Status: INACTIVE Facility Id: FA0014103	***1280 N FITZGERALD AV***	***WNW 0 - 1/8 (0.095 mi.)***	***E32***	***84***
ROMERO'S MACHINE SHO Facility Status: INACTIVE Facility Id: FA0005794	1260 N FITZGERALD AV	W 0 - 1/8 (0.095 mi.)	B34	89
A & J AUTO REPAIR Facility Status: INACTIVE Facility Id: FA0014149 Facility Id: FA0017555	1260 N FITZGERALD CI	W 0 - 1/8 (0.095 mi.)	B35	89
INLAND JEEP Facility Status: FEE EXEMPT Facility Status: INACTIVE Facility Id: FA0014979 Facility Id: FA0017976	***1436 N AYALA DR STE***	***NW 0 - 1/8 (0.107 mi.)***	***F42***	***103***
AT&T MOBILITY - VERI Facility Status: ACTIVE Facility Id: FA0014537	***1481 N AYALA DR***	***NNW 1/8 - 1/4 (0.162 mi.)***	***G44***	***108***
VALLEY POWER SYSTEMS Facility Status: INACTIVE Facility Id: FA0016933	***1450 N FITZGERALD AV***	***NW 1/8 - 1/4 (0.164 mi.)***	***H46***	***112***
SCI PAVEMENT SERVICE Facility Status: INACTIVE Facility Id: FA0013122 Facility Id: FA0006496	1450 N FITZGERALD AV	NW 1/8 - 1/4 (0.164 mi.)	H47	115
MEDLINE INDUSTRIES C Facility Status: ACTIVE Facility Id: FA0017759	***1960 MIRO WAY***	***WNW 1/8 - 1/4 (0.182 mi.)***	***51***	***125***
KLAERS AVIATION Facility Status: INACTIVE Facility Id: FA0004268	1462 N FITZGERALD AV	NW 1/8 - 1/4 (0.213 mi.)	52	129
7-ELEVEN # 33442 Facility Status: ACTIVE Facility Id: FA0009051	***1276 W BASE LINE RD***	***WSW 1/8 - 1/4 (0.222 mi.)***	***I53***	***129***
WEST COAST STORM INC Facility Status: INACTIVE Facility Id: FA0014032	1188 LEISKE DR	NNW 1/8 - 1/4 (0.238 mi.)	J57	168

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WEST SAN BERNARDINO Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0002723	***855 W BASELINE***	***ESE 0 - 1/8 (0.091 mi.)***	***D29***	***68***
CITY RIALTO WELL #4 Facility Status: INACTIVE Facility Id: FA0002079	725 W BASELINE RD	ESE 1/8 - 1/4 (0.248 mi.)	59	177

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

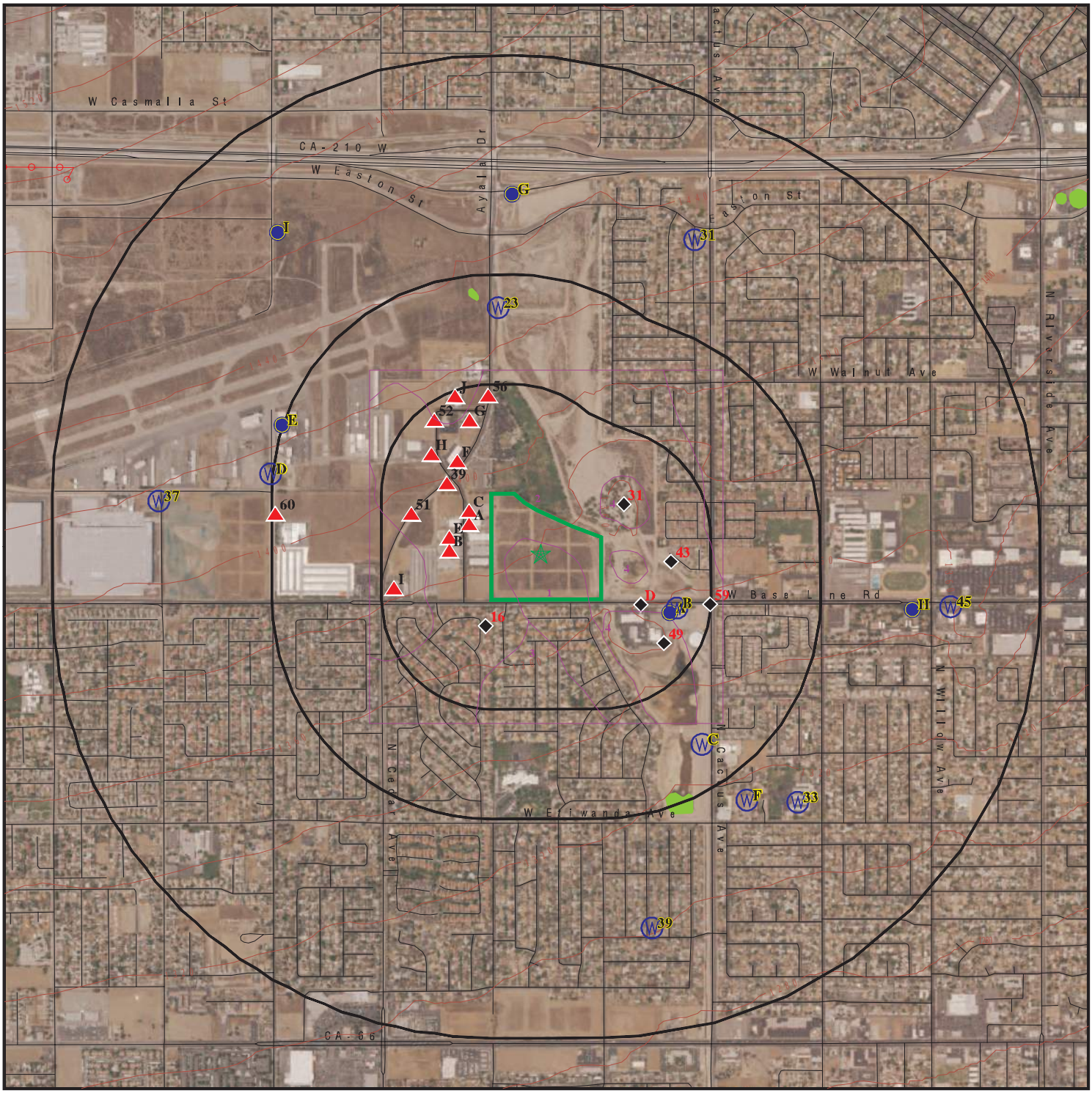
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOOLSBYS TRANSMISSIO	1245 N FITZGERALD AV	W 0 - 1/8 (0.050 mi.)	B7	29
FRUCIANOS AUTOMOTIVE	1240 N FITZGERALD 11	W 0 - 1/8 (0.075 mi.)	B20	54
HECTOR SMOKE CHECK	1260 N FITZGERALD AV	W 0 - 1/8 (0.095 mi.)	B37	93

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6521947.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Prisa Portfolio - Olive Grove	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Northside of Baseline Road, West of Cactus Avenue Rialto CA 92376	CONTACT:	Evelyn Perez
LAT/LONG:	34.122906 / 117.390306	INQUIRY #:	6521947.2s
		DATE:	June 03, 2021 5:19 pm

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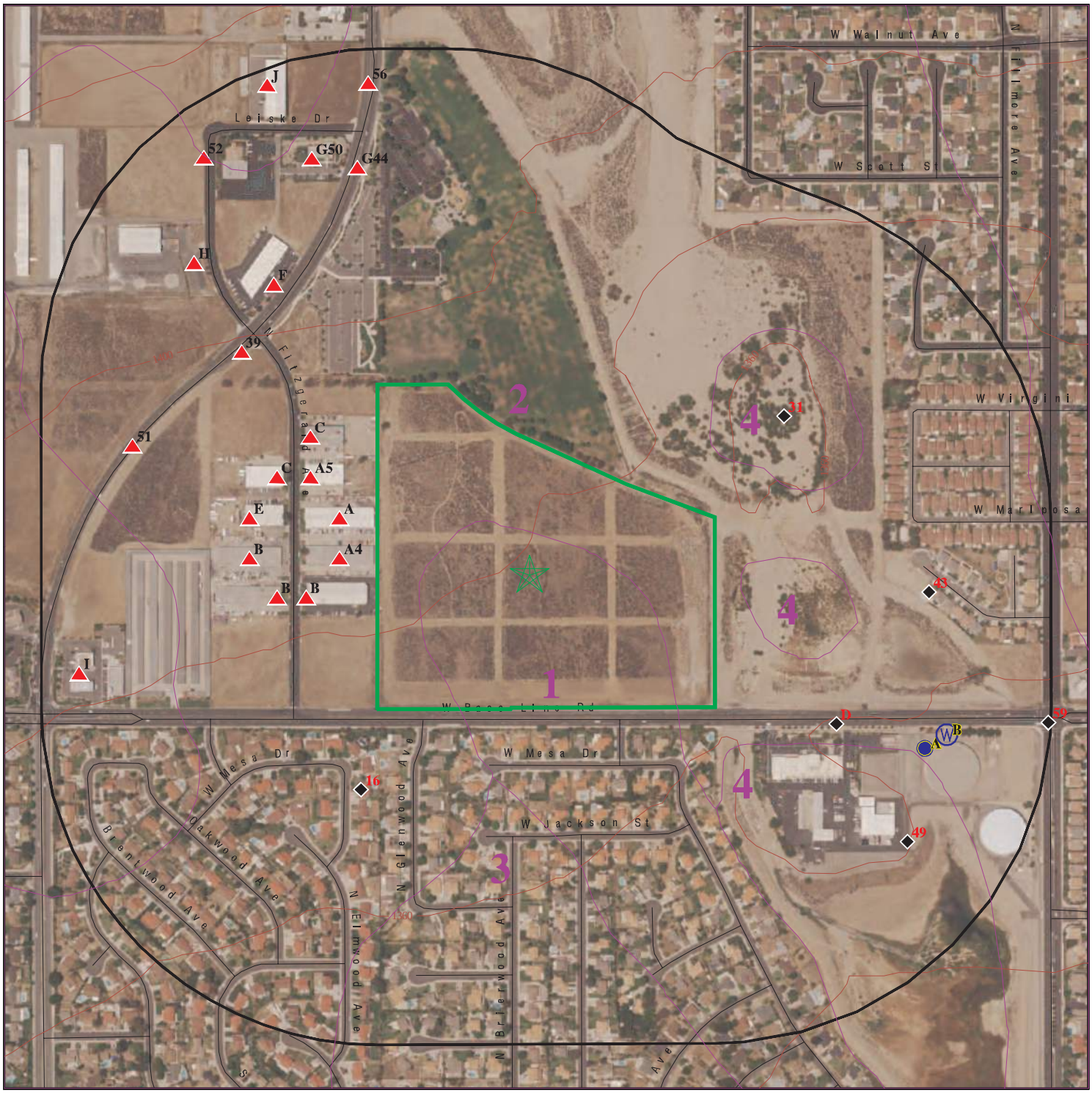
DETAIL MAP - 6521947.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Prisa Portfolio - Olive Grove	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Northside of Baseline Road, West of Cactus Avenue Rialto CA 92376	CONTACT:	Evelyn Perez
LAT/LONG:	34.122906 / 117.390306	INQUIRY #:	6521947.2s
		DATE:	June 03, 2021 5:20 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		1	0	0	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	1	0	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	0	1	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	1	NR	NR	NR	2
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		2	2	NR	NR	NR	4
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		2	0	NR	NR	NR	2
CERS TANKS	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		16	7	NR	NR	NR	23
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	1	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		15	8	NR	NR	NR	23
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	46	22	1	0	0	69

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
WNW
< 1/8
0.028 mi.
148 ft.

CLASSIFIED COMPLETE AUTO REPAIR
1285 N FITZGERALD AVE STE F
RIALTO, CA 92376

Site 1 of 5 in cluster A

RCRA NonGen / NLR **1024871275**
CAL000439919

Relative:
Higher

Actual:
1387 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2018-10-16 00:00:00.0
Handler Name:	CLASSIFIED COMPLETE AUTO REPAIR
Handler Address:	1285 N FITZGERALD AVE STE F
Handler City,State,Zip:	RIALTO, CA 92376
EPA ID:	CAL000439919
Contact Name:	JUAN GARCIA
Contact Address:	264 W ORANGE ST
Contact City,State,Zip:	SAN BERNADINO, CA 92410
Contact Telephone:	909-709-9264
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1285 N FITZGERALD AVE STE F
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	MARIO GARCIA
Owner Type:	Other
Operator Name:	JUAN GARCIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CLASSIFIED COMPLETE AUTO REPAIR (Continued) **1024871275**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-20 16:31:58.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARIO GARCIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1285 N FITZGERALD AVE STE F
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-419-0688
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JUAN GARCIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	264 W ORANGE ST
Owner/Operator City,State,Zip:	SAN BERNADINO, CA 92410
Owner/Operator Telephone:	909-709-9264
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CLASSIFIED COMPLETE AUTO REPAIR (Continued) **1024871275**

Historic Generators:
- Receive Date: 2018-10-16 00:00:00.0
- Handler Name: CLASSIFIED COMPLETE AUTO REPAIR
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

A2 **K T AUTO LLC DBA HI REV** **RCRA NonGen / NLR** **1024862753**
WNW **1285 N FITZGERALD AVE STE I** **CAL000431276**
< 1/8 **RIALTO, CA 92376**
0.028 mi.
148 ft. **Site 2 of 5 in cluster A**

Relative: **Higher**

Actual: **1387 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 2017-10-06 00:00:00.0
- Handler Name: K T AUTO LLC DBA HI REV
- Handler Address: 1285 N FITZGERALD AVE STE I
- Handler City,State,Zip: RIALTO, CA 92376
- EPA ID: CAL000431276
- Contact Name: THEO HOLT
- Contact Address: 1285 N FITZGERALD AVE STE I
- Contact City,State,Zip: RIALTO, CA 92376
- Contact Telephone: 909-990-1116
- Contact Fax: 909-446-7149
- Contact Email: HIREVMACHINESHOP@GMAIL.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 1285 N FITZGERALD AVE STE I
- Mailing City,State,Zip: RIALTO, CA 92376
- Owner Name: KT AUTO LLC

K T AUTO LLC DBA HI REV (Continued) **1024862753**

Owner Type:	Other
Operator Name:	THEO HOLT
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-07 19:36:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

K T AUTO LLC DBA HI REV (Continued) **1024862753**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: THEO HOLT
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1285 N FITZGERALD AVE STE I
Owner/Operator City,State,Zip: RIALTO, CA 92376
Owner/Operator Telephone: 909-990-1116
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: KT AUTO LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1285 N FITZGERALD AVE STE I
Owner/Operator City,State,Zip: RIALTO, CA 92376
Owner/Operator Telephone: 909-990-1116
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2017-10-06 00:00:00.0
Handler Name: K T AUTO LLC DBA HI REV
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A3
WNW
< 1/8
0.028 mi.
148 ft.

CLASSIFIED COMPLETE AUTO REPAIR
1285 N FITZGERALD AVE UNIT F
RIALTO, CA 92376

Site 3 of 5 in cluster A

Relative: Higher

Actual: 1387 ft.

San Bern. Co. Permit **S112274139**
N/A

San Bern. Co. Permit:

Name:	CLASSIFIED COMPLETE AUTO REPAIR
Address:	1285 N FITZGERALD AVE UNIT F
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014850
Owner:	Mario Garcia
Permit Number:	PT0025854
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	09/30/2021

Name:	CLASSIFIED COMPLETE AUTO REPAIR
Address:	1285 N FITZGERALD AVE UNIT F
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014850
Owner:	Mario Garcia
Permit Number:	PT0025853
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2021

A4
West
< 1/8
0.028 mi.
148 ft.

DYNAMIC POWDER COATING
1265 N FITZGERALD AVE A
RIALTO, CA 92376

Site 4 of 5 in cluster A

Relative: Higher

Actual: 1385 ft.

San Bern. Co. Permit **S106112255**
CERS **N/A**

San Bern. Co. Permit:

Name:	DYNAMIC POWDER COATING
Address:	1265 N FITZGERALD AVE A
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0002815
Owner:	HARRIS, TIMOTHY PAUL
Permit Number:	PT0007202
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status:	ACTIVE
Expiration Date:	09/30/2010

CERS:

Name:	DYNAMIC POWDER COATING
Address:	1265 N FITZGERALD AVE A
City,State,Zip:	RIALTO, CA 92376
Site ID:	113090
CERS ID:	10038751
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	113090
Site Name:	DYNAMIC POWDER COATING
Violation Date:	06-28-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

DYNAMIC POWDER COATING (Continued) **S106112255**

	Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 09/12/2019. Failure to obtain a CUPA Hazardous Materials Handler permit (SBCC 23.0602(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	113090
Site Name:	DYNAMIC POWDER COATING
Violation Date:	09-12-2019
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/07/2020. Incomplete business plan submitted on 06/27/2017. Complete hazardous materials inventory section and resubmit business plan via CERS. CORRECTIVE ACTION: Comply by establishing and implementing the Business Plan.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	113090
Site Name:	DYNAMIC POWDER COATING
Violation Date:	09-12-2019
Citation:	Un-Specified
Violation Description:	Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes:	Returned to compliance on 10/21/2019. Expired. Expiration date 09/30/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	113090
Site Name:	DYNAMIC POWDER COATING
Violation Date:	06-28-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Not reported
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	113090
Site Name:	DYNAMIC POWDER COATING
Violation Date:	06-28-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

DYNAMIC POWDER COATING (Continued) **S106112255**

Violation Notes: Not reported
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 113090
Site Name: DYNAMIC POWDER COATING
Violation Date: 08-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: NON INSPECTION RELATED VIOLATION
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS INSPECTION FOR DYNAMIC POWDER COATING
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-28-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS ENFORCEMENT PROJECT - ENTER VIOLATION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 113090
Site Name: DYNAMIC POWDER COATING
Site Address: 1265 N FITZGERALD AVE A
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 06-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

DYNAMIC POWDER COATING (Continued) **S106112255**

Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	113090
Site Name:	DYNAMIC POWDER COATING
Site Address:	1265 N FITZGERALD AVE A
Site City:	RIALTO
Site Zip:	92376
Enf Action Date:	10-10-2017
Enf Action Type:	AEO - Unified Program
Enf Action Description:	Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:	Fines/Penalties Assessed: $500.00. Facility failed to electronically submit / update business plan information annually using the statewide information management system.
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Environmental Contact
Entity Name:	Timothy Harris
Entity Title:	Not reported
Affiliation Address:	1265 N FITZGERALD AVE A
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Timothy Harris
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 268-0442
Affiliation Type Desc:	Legal Owner
Entity Name:	HARRIS, TIMOTHY PAUL
Entity Title:	Not reported
Affiliation Address:	1265 N FITZGERALD AVE, UNIT ' A'
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	United States

DYNAMIC POWDER COATING (Continued) **S106112255**

Affiliation Zip:	92376
Affiliation Phone:	(909) 268-0422
Affiliation Type Desc:	Parent Corporation
Entity Name:	DYNAMIC POWDER COATING
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1265 NORTH FITZGERALD AVE, UNIT 'A'
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported

A5 **COMPRESSOR COMPONENT PARTS CO INC** **RCRA NonGen / NLR** **1024794070**
WNW **1325 N FITZGERALD** **CAL000145545**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
262 ft. **Site 5 of 5 in cluster A**

Relative: **Higher**

Actual: **1390 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	1997-05-15 00:00:00.0
Handler Name:	COMPRESSOR COMPONENT PARTS CO INC
Handler Address:	1325 N FITZGERALD
Handler City,State,Zip:	RIALTO, CA 92376-0000
EPA ID:	CAL000145545
Contact Name:	CHRIS ADKINS
Contact Address:	1325 N FITZGERALD
Contact City,State,Zip:	RIALTO, CA 92376
Contact Telephone:	909-820-1577
Contact Fax:	909-874-0670
Contact Email:	SALES.CCPC@EARTHLINK.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1325 N FITZGERALD
Mailing City,State,Zip:	RIALTO, CA 92376-0000
Owner Name:	COMPRESSOR COMPONENT PART CO
Owner Type:	Other
Operator Name:	CHRIS ADKINS
Operator Type:	Other

COMPRESSOR COMPONENT PARTS CO INC (Continued) **1024794070**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:43:15.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

COMPRESSOR COMPONENT PARTS CO INC (Continued) **1024794070**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHRIS ADKINS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1325 N FITZGERALD
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-820-1577
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	COMPRESSOR COMPONENT PART CO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1325 N FITZGERALD
Owner/Operator City,State,Zip:	RIALTO, CA 92376-0000
Owner/Operator Telephone:	909-820-1676
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1997-05-15 00:00:00.0
Handler Name:	COMPRESSOR COMPONENT PARTS CO INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	42183
NAICS Description:	INDUSTRIAL MACHINERY AND EQUIPMENT WHOLESALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B6 **BENCHMARK INKS & COATINGS** **CERS HAZ WASTE** **S113467729**
West **1245 N FITZGERALD AVE STE 103** **HAZNET** **N/A**
< 1/8 **RIALTO, CA 92376** **CERS**
0.050 mi. **HWTS**
262 ft. **Site 1 of 14 in cluster B**

Relative: Higher

Actual: 1382 ft.

CERS HAZ WASTE:

Name:	BENCHMARK INKS AND COATINGS
Address:	1245 N FITZGERALD AVE
City,State,Zip:	RIALTO, CA 92376
Site ID:	98167
CERS ID:	10054363
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	BENCHMARK INKS & COATINGS
Address:	1245 N FITZGERALD AVE STE 103
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923768615
Contact:	ALAN DEL BARBA
Telephone:	9092898430
Mailing Name:	Not reported
Mailing Address:	16155 SIERRA LAKES PKWY STE 160-535
Year:	2013
Gepaid:	CAL000349550
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.33
Year:	2010
Gepaid:	CAL000349550
TSD EPA ID:	ARD981057870
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.17

Additional Info:

Year:	2010
Gen EPA ID:	CAL000349550
Shipment Date:	20100209
Creation Date:	11/30/2010 18:30:29
Receipt Date:	20100218
Manifest ID:	006827574JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS (ID #778)
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000349550
Shipment Date:	20130320
Creation Date:	8/15/2013 22:15:09
Receipt Date:	20130326
Manifest ID:	011249230JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	BENCHMARK INKS AND COATINGS
Address:	1245 N FITZGERALD AVE
City,State,Zip:	RIALTO, CA 92376
Site ID:	98167
CERS ID:	10054363
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	01-10-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	OBSERVATION: The current Business Plan on file has not been updated

BENCHMARK INKS & COATINGS (Continued) **S113467729**

	since 9/19/16 CORRECTIVE ACTION: Electronically submit updated Business Plan elements to the California Environmental Reporting System (CERS). The website is located at http://cers.calepa.ca.gov/.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	01-10-2019
Citation:	Un-Specified
Violation Description:	Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes:	Returned to compliance on 01/10/2019. Failure to obtain and maintain a CUPA Hazardous Materials Handler permit (SBCC 23.0602(a)) OBSERVATION: Facilities that handle hazardous materials in quantities at or exceeding 55 gallons, 500 pounds, or 200 cubic feet (compressed gas), or generate any amount of hazardous waste at any one time in the course of a year are required to have current permits. At the time of inspection, the CUPA permits were expired. CORRECTIVE ACTION: Submit payment for all required permits.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	09-15-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/19/2016.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	01-10-2019
Citation:	HSC 6.5 25144.6 (b) - California Health and Safety Code, Chapter 6.5, Section(s) 25144.6 (b)
Violation Description:	Failure to properly manage reusable soiled textile materials prior to being sent for laundering.
Violation Notes:	OBSERVATION: At the time of inspection it was observed that the towels used for cleaning spilled ink are disposed of in the trash. If hazardous contaminated towels must be managed in accordance to Health & Safety Code 25144.6. CORRECTIVE ACTION: Conduct a waste determination on the used towels used for cleaning spilled ink. If the used towels are hazardous, submit a signed statement that contaminated rags will be managed in accordance to the Health & Safety Code 25144.6
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	98167

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	01-10-2019
Citation:	Un-Specified
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance
Violation Notes:	Returned to compliance on 01/10/2019. Failure to obtain and maintain a CUPA Hazardous Waste generator permit. (SBCC 23.0602) OBSERVATION: Facilities that handle hazardous materials in quantities at or exceeding 55 gallons, 500 pounds, or 200 cubic feet (compressed gas), or generate any amount of hazardous waste at any one time in the course of a year are required to have current permits. At the time of inspection, the CUPA permits were expired. CORRECTIVE ACTION: Submit payment for all required permits.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	09-01-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/01/2015. Failure to manage hazardous waste lawfully (CHSC 25154) CORRECTION WAS MADE DURING THE INSPECTION. CB
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	01-10-2019
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	OBSERVATION: At the time of inspection, EPA ID #CAL000349550 was inactive. CORRECTIVE ACTION: Reactivate EPA ID# CAL000349550 by submitting form 1358 to California Department of Toxic Substances Control (DTSC).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	98167
Site Name:	BENCHMARK INKS AND COATINGS
Violation Date:	09-01-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/19/2016.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Violation Source: CERS

Site ID: 98167
Site Name: BENCHMARK INKS AND COATINGS
Violation Date: 09-01-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/01/2015. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) CORRECTION WAS MADE DURING THE INSPECTION. CB
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 98167
Site Name: BENCHMARK INKS AND COATINGS
Violation Date: 09-01-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/01/2015. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) CORRECTION WAS MADE DURING THE INSPECTION. CB
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 98167
Site Name: BENCHMARK INKS AND COATINGS
Violation Date: 09-01-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 09/19/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: REGULAR INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: REGULAR INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-19-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: ENTER CERS VIOLATION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 98167
Site Name: BENCHMARK INKS AND COATINGS
Site Address: 1245 N FITZGERALD AVE
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 09-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 98167
Site Name: BENCHMARK INKS AND COATINGS
Site Address: 1245 N FITZGERALD AVE
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 09-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Coordinates:

Site ID:	98167
Facility Name:	BENCHMARK INKS AND COATINGS
Env Int Type Code:	HMBP
Program ID:	10054363
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.122639
Longitude:	-117.392769

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16155 SIERRA LAKES PKWY, STE 160-535
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92336
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	DEL BARBA, ALAN
Entity Title:	Not reported
Affiliation Address:	16155 SIERRA LAKES PKWY STE 160-535
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92336
Affiliation Phone:	(909) 875-3483

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Environmental Contact
Entity Name:	ALAN DEL BARBA
Entity Title:	Not reported
Affiliation Address:	1245 N FITZGERALD AVE, STE 103
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	ALAN DEL BARBA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 289-8430
Affiliation Type Desc:	Identification Signer
Entity Name:	Sindy Del Barba
Entity Title:	CFO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	BENCHMARK INKS AND COATINGS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	BENCHMARK INKS & COATINGS
Address:	1245 N FITZGERALD AVE STE 103
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923768615
EPA ID:	CAL000349550
Inactive Date:	06/30/2017
Create Date:	01/27/2010
Last Act Date:	09/19/2016
Mailing Name:	Not reported
Mailing Address:	16155 SIERRA LAKES PKWY STE 160-535
Mailing Address 2:	Not reported
Mailing City,State,Zip:	FONTANA, CA 923361244
Owner Name:	ALAN DEL BARBA
Owner Address:	16155 SIERRA LAKES PKWY STE 160-535
Owner Address 2:	Not reported
Owner City,State,Zip:	FONTANA, CA 923361244
Contact Name:	ALAN DEL BARBA
Contact Address:	16155 SIERRA LAKES PKWY STE 160-535
Contact Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92336

NAICS:

EPA ID:	CAL000349550
Create Date:	2010-01-27 09:10:56.740
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2010-01-27 09:10:56.70700
Inactive Date:	2017-06-30 00:00:00
Facility Name:	BENCHMARK INKS & COATINGS
Facility Address:	1245 N FITZGERALD AVE STE 103

BENCHMARK INKS & COATINGS (Continued) **S113467729**

Facility Address 2: Not reported
Facility City: RIALTO
Facility County: Not reported
Facility State: CA
Facility Zip: 923768615

B7 **GOOLSBYS TRANSMISSION** **EDR Hist Auto** **1020919482**
West **1245 N FITZGERALD AVE** **N/A**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
262 ft. **Site 2 of 14 in cluster B**

Relative: EDR Hist Auto
Higher

Actual:
1382 ft.

Year:	Name:	Type:
2004	GOOLSBYS TRANSMISSION	Automotive Transmission Repair Shops
2005	GOOLSBYS TRANSMISSION	Automotive Transmission Repair Shops
2006	GOOLSBYS TRANSMISSION	Automotive Transmission Repair Shops
2007	GOOLSBYS TRANSMISSION	Automotive Transmission Repair Shops
2008	GOOLSBYS TRANSMISSION	Automotive Transmission Repair Shops

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B8 **BENCHMARK INKS AND COATINGS** **San Bern. Co. Permit** **S112274022**
West **1245 N FITZGERALD AVE UNIT 103** **N/A**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
262 ft. **Site 3 of 14 in cluster B**

Relative: San Bern. Co. Permit:
Higher

Actual:
1382 ft.

Name: BENCHMARK INKS AND COATINGS
Address: 1245 N FITZGERALD AVE UNIT 103
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0012217
Owner: DEL BARBA, ALAN
Permit Number: PT0025732
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2019

Name: BENCHMARK INKS AND COATINGS
Address: 1245 N FITZGERALD AVE UNIT 103
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0012217
Owner: DEL BARBA, ALAN
Permit Number: PT0021530
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2018

C9 **GUADALAJARA'S AUTO REPAIR** **RCRA NonGen / NLR** **1024831578**
WNW **1345 N FITZGERALD AVE STE A** **CAL000368617**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
263 ft. **Site 1 of 8 in cluster C**

Relative: **Higher**

Actual: **1392 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2011-10-25 00:00:00.0
Handler Name:	GUADALAJARA'S AUTO REPAIR
Handler Address:	1345 N FITZGERALD AVE STE A
Handler City,State,Zip:	RIALTO, CA 92376
EPA ID:	CAL000368617
Contact Name:	GUILLERMO MARTINEZ
Contact Address:	2080 RORMIMER DR
Contact City,State,Zip:	RIVERSIDE, CA 92509
Contact Telephone:	626-589-4126
Contact Fax:	000-000-0000
Contact Email:	MEMO15420@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1345 N FITZGERALD AVE STE A
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	GUILLERMO MARTINEZ
Owner Type:	Other
Operator Name:	GUILLERMO MARTINEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

GUADALAJARA'S AUTO REPAIR (Continued) **1024831578**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 16:59:44.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GUILLERMO MARTINEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2080 RORIMER DR
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92509-0000
Owner/Operator Telephone:	626-589-4126
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO MARTINEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2080 RORMIMER DR
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92509
Owner/Operator Telephone:	626-589-4126
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GUADALAJARA'S AUTO REPAIR (Continued) **1024831578**

Historic Generators:
Receive Date: 2011-10-25 00:00:00.0
Handler Name: GUADALAJARA'S AUTO REPAIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C10 **SI NOR INC** **RCRA NonGen / NLR** **1000686311**
WNW **1345 FITZGERALD AVE STE F** **FINDS** **CAD983635707**
< 1/8 **RIALTO, CA 92376** **ECHO**
0.050 mi.
263 ft. **Site 2 of 8 in cluster C**

Relative: **Higher**
Actual: **1392 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 1996-08-05 00:00:00.0
Handler Name: SI NOR INC
Handler Address: 1345 FITZGERALD AVE STE F
Handler City,State,Zip: RIALTO, CA 92376
EPA ID: CAD983635707
Contact Name: SILAS UGORJI
Contact Address: 1345 FITZGERALD AVE STE F
Contact City,State,Zip: RIALTO, CA 92376
Contact Telephone: 909-820-4010
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: FITZGERALD AVE STE F
Mailing City,State,Zip: RIALTO, CA 92376
Owner Name: SILAS UGORJI

SI NOR INC (Continued) **1000686311**

Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:30:41.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

SI NOR INC (Continued) **1000686311**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: SILAS UGORJI
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1345 FITZGERALD AVE STE F
Owner/Operator City,State,Zip: RIALTO, CA 92376
Owner/Operator Telephone: 909-820-4010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1996-08-05 00:00:00.0
Handler Name: SI NOR INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002875862

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

SI NOR INC (Continued) **1000686311**

ECHO:
Envid: 1000686311
Registry ID: 110002875862
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002875862
Name: SI NOR INC
Address: 1345 FITZGERALD AVE STE F
City,State,Zip: RIALTO, CA 92376

C11 **DFR** **San Bern. Co. Permit** **S111311530**
WNW **1345 N FITZGERALD AVE UNIT D** **CERS** **N/A**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
263 ft. **Site 3 of 8 in cluster C**

Relative:
Higher

Actual:
1392 ft.

San Bern. Co. Permit:
Name: DFR
Address: 1345 N FITZGERALD AVE UNIT D
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014126
Owner: AGAHZADEH, BEHZAD
Permit Number: PT0024836
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: ACTIVE
Expiration Date: 12/31/2016

Name: DFR
Address: 1345 N FITZGERALD AVE UNIT D
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014126
Owner: AGAHZADEH, BEHZAD
Permit Number: PT0024835
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2012

CERS:
Name: DFR
Address: 1345 N FITZGERALD AVE UNIT D
City,State,Zip: RIALTO, CA 92376
Site ID: 111334
CERS ID: 10312666
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 111334
Site Name: DFR
Violation Date: 03-24-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/21/2017. Failure to obtain a CUPA Hazardous Waste Generator Permit (SBCC 23.0602(b)(1)) Facilities that handle hazardous materials in quantities at or exceeding 55 gallons, 500 pounds, or 200 cubic feet (compressed gas) or generate any amount of hazardous waste at any one time in the course of a year are

DFR (Continued) **S111311530**

required to have current permits. This facility owes a delinquent balance of $1,225.12. Compliance Requirement: -Submit payment for all required permits.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 111334
Site Name: DFR
Violation Date: 03-19-2018
Citation: Un-Specified
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance
Violation Notes: Failure to obtain and maintain a CUPA Hazardous Waste generator permit. (SBCC 23.0602) Permits expired on 12/31/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 111334
Site Name: DFR
Violation Date: 03-24-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/24/2015. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Any tank or container holding a hazardous waste must be properly labeled. Proper labeling includes the following information: the words G Hazardous Waste,G generator name and address, hazardous properties of the waste, composition & physical state of the waste, and the accumulation start date. Observed a 5-gallon container of waste oily rags missing a hazardous waste label. -The container was properly labeled during the inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 111334
Site Name: DFR
Violation Date: 03-19-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: -EPA ID# inactive, CAL000369563
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 111334
Site Name: DFR
Violation Date: 03-24-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/24/2015. Failure to obtain an EPA ID

DFR (Continued) **S111311530**

Number (CCR 66262.12(a)) Facilities that generate any amount of a hazardous waste are required to maintain an active EPA ID number to track the hazardous waste generated from their business. The number registered to this facility was inactive at the time of the inspection. -EPA ID application form 1358 was completed during the inspection.

Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-DFR
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 111334
Site Name: DFR
Site Address: 1345 N FITZGERALD AVE UNIT D
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 03-24-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 111334
Site Name: DFR
Site Address: 1345 N FITZGERALD AVE UNIT D
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 03-24-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

DFR (Continued) **S111311530**

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1345 N FITZGERAL AVE UNIT D
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	BEHZAD AGAHZADEH
Entity Title:	Not reported
Affiliation Address:	1345 N FITZGERALD AVE, UNIT D
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	AGAHZADEH, BEHZAD
Entity Title:	Not reported
Affiliation Address:	1345 N FITZGERALD AVE UNIT D
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92376
Affiliation Phone:	(909) 265-1302

Affiliation Type Desc:	Parent Corporation
Entity Name:	DFR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

C12 **AUTO MISSION L&R** **RCRA NonGen / NLR** **1024865645**
WNW **1345 N FITZGERALD UNIT B** **CAL000434221**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
263 ft. **Site 4 of 8 in cluster C**

Relative: **Higher**

Actual: **1392 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-03-14 00:00:00.0
Handler Name:	AUTO MISSION L&R	
Handler Address:		1345 N FITZGERALD UNIT B
Handler City,State,Zip:		RIALTO, CA 92376
EPA ID:		CAL000434221
Contact Name:		LARRY MIRANDA
Contact Address:		1345 N FITZGERALD UNIT B
Contact City,State,Zip:		RIALTO, CA 92376
Contact Telephone:		909-865-7405
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1345 N FITZGERALD UNIT B
Mailing City,State,Zip:		RIALTO, CA 92376
Owner Name:		LARRY MIRANDA
Owner Type:		Other
Operator Name:		LARRY MIRANDA
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

AUTO MISSION L&R (Continued) **1024865645**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-07 19:37:39.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LARRY MIRANDA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3094 N SYCAMORE AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92377
Owner/Operator Telephone:	909-865-7405
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LARRY MIRANDA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1345 N FITZGERALD UNIT B
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-865-7405
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AUTO MISSION L&R (Continued) **1024865645**

Historic Generators:
Receive Date: 2018-03-14 00:00:00.0
Handler Name: AUTO MISSION L&R
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C13 **UNITECH AUTO REPAIR** **San Bern. Co. Permit** **S111311531**
WNW **1345 N FITZGERALD AVE UNIT E** **N/A**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
263 ft. **Site 5 of 8 in cluster C**

Relative: **Higher**
Actual: **1392 ft.**

San Bern. Co. Permit:
Name: UNITECH AUTO REPAIR
Address: 1345 N FITZGERALD AVE UNIT E
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014127
Owner: FRANCISCO LOPEZ
Permit Number: PT0024837
Permit Category: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 12/31/2012

C14 **GUADALAJARAS AUTO REPAIR** **San Bern. Co. Permit** **S111311529**
WNW **1345 N FITZGERALD AVE UNIT A** **CERS** **N/A**
< 1/8 **RIALTO, CA 92376**
0.050 mi.
263 ft. **Site 6 of 8 in cluster C**

Relative: **Higher**
Actual: **1392 ft.**

San Bern. Co. Permit:
Name: GUADALAJARAS AUTO REPAIR
Address: 1345 N FITZGERALD AVE UNIT A
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO

GUADALAJARAS AUTO REPAIR (Continued) **S111311529**

Facility ID: FA0014122
Owner: MARTINEZ, GUILLERMO
Permit Number: PT0024822
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 12/31/2020

Name: GUADALAJARAS AUTO REPAIR
Address: 1345 N FITZGERALD AVE UNIT A
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014122
Owner: MARTINEZ, GUILLERMO
Permit Number: PT0038341
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 12/31/2020

CERS:
Name: GUADALAJARAS AUTO REPAIR
Address: 1345 N FITZGERALD AVE UNIT A
City,State,Zip: RIALTO, CA 92376
Site ID: 120916
CERS ID: 10312657
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 120916
Site Name: GUADALAJARAS AUTO REPAIR
Violation Date: 05-08-2020
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 05/08/2020. OBSERVATION: Observed (1) open 5-gallon container of drained used oil filters missing a complete label. CORRECTED ON SITE: Mr. Guillermo Martinez placed the drained used oil filters into a 15-gallon drum and properly labeled the drum at the time of inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 120916
Site Name: GUADALAJARAS AUTO REPAIR
Violation Date: 05-08-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: OBSERVATION: This facility has not yet submitted a complete business plan via CERS. Your CERS ID number is 10312657. CORRECTIVE ACTION: Submit an accurate and complete business plan into CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

GUADALAJARAS AUTO REPAIR (Continued) **S111311529**

Site ID: 120916
Site Name: GUADALAJARAS AUTO REPAIR
Violation Date: 05-08-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/08/2020. OBSERVATION: Observed (1) 55-gallon drum of used oil missing a hazardous waste label. CORRECTED ON SITE: Mr. Guillermo Martinez placed a complete hazardous waste label on the drum at the time of inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 120916
Site Name: GUADALAJARAS AUTO REPAIR
Violation Date: 03-19-2014
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 03/19/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 120916
Site Name: GUADALAJARAS AUTO REPAIR
Violation Date: 05-08-2020
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 06/26/2020. OBSERVATION: This facility stores hazardous waste above the reportable threshold of 55 gallons without a CUPA handler permit. CORRECTIVE ACTION: Submit a complete business plan via CERS, and pay all applicable permit fees upon reciept of invoice.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120916
Site Name: GUADALAJARAS AUTO REPAIR
Violation Date: 06-05-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/07/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

GUADALAJARAS AUTO REPAIR (Continued) **S111311529**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSP WAS SPECIAL SPECIAL, UPDATE PERMIT TO REFLECT CESQG
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-08-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-08-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-05-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE GENERATOR INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	120916
Site Name:	GUADALAJARAS AUTO REPAIR
Site Address:	1345 N FITZGERALD AVE UNIT A
Site City:	RIALTO
Site Zip:	92376
Enf Action Date:	03-19-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	120916
Site Name:	GUADALAJARAS AUTO REPAIR
Site Address:	1345 N FITZGERALD AVE UNIT A
Site City:	RIALTO
Site Zip:	92376

GUADALAJARAS AUTO REPAIR (Continued) **S111311529**

Enf Action Date: 06-05-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: GUILLERMO MARTINEZ
Entity Title: Not reported
Affiliation Address: 1345 N. FITZGERALD AVE #A
Affiliation City: RIALTO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92509
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: MARTINEZ, GUILLERMO
Entity Title: Not reported
Affiliation Address: 2080 RORIMER DR
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92509
Affiliation Phone: (909) 877-0771

Affiliation Type Desc: Parent Corporation
Entity Name: GUADALAJARAS AUTO REPAIR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1345 N FITZGERALD AVE UNIT A
Affiliation City: RIALTO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92376

GUADALAJARAS AUTO REPAIR (Continued) **S111311529**

Affiliation Phone: Not reported

B15 **AT&T CALIFORNIA - LB2FA** **San Bern. Co. Permit** **S125495558**
West **1243 E FITZGERALD AVE** **N/A**
< 1/8 **RIALTO, CA 92376**
0.053 mi.
279 ft. **Site 4 of 14 in cluster B**

Relative: San Bern. Co. Permit:
Higher
Name: AT&T CALIFORNIA - LB2FA
Actual: Address: 1243 E FITZGERALD AVE
1382 ft. City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0018457
Owner: Pacific Bell Telephone Company dba AT&T California
Permit Number: PT0039873
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 01/31/2021

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16 **JORGE CASTILLO DBA JAC TRUCKING** **RCRA NonGen / NLR** **1011488135**
SW **1177 N ELMWOOD AVE** **CAR000192773**
< 1/8 **RIALTO, CA 92376**
0.061 mi.
323 ft.

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 2008-06-02 00:00:00.0
Actual: Handler Name: JORGE CASTILLO DBA JAC TRUCKING
1368 ft. Handler Address: 1177 N ELMWOOD AVE
Handler City,State,Zip: RIALTO, CA 92376
EPA ID: CAR000192773
Contact Name: JORGE A CASTILLO
Contact Address: 1177 N ELMWOOD AVE
Contact City,State,Zip: RIALTO, CA 92376
Contact Telephone: 909-820-1257
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1177 N ELMWOOD AVE
Mailing City,State,Zip: RIALTO, CA 92376
Owner Name: JORGE CASTILLO
Owner Type: Private
Operator Name: JORGE CASTILLO
Operator Type: Private
Short-Term Generator Activity: No

JORGE CASTILLO DBA JAC TRUCKING (Continued) **1011488135**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2008-06-11 18:03:25.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

JORGE CASTILLO DBA JAC TRUCKING (Continued) **1011488135**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JORGE CASTILLO
Legal Status:	Private
Date Became Current:	1998-02-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JORGE CASTILLO
Legal Status:	Private
Date Became Current:	1998-02-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1177 N ELMWOOD AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2008-06-02 00:00:00.0
Handler Name:	JORGE CASTILLO DBA JAC TRUCKING
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	562111
NAICS Description:	SOLID WASTE COLLECTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C17
WNW
< 1/8
0.074 mi.
393 ft.

BAKER CNC MACHINING INC
1320 N FITZGERALD AVE UNIT D
RIALTO, CA 92376

Site 7 of 8 in cluster C

San Bern. Co. Permit **S111082841**
N/A

Relative:
Higher

Actual:
1391 ft.

San Bern. Co. Permit:

Name:	BAKER CNC MACHINING INC
Address:	1320 N FITZGERALD AVE UNIT D
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014175
Owner:	BAKER CNC MACHINING INC
Permit Number:	PT0024898
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	INACTIVE
Expiration Date:	12/31/2019

Name:	BAKER CNC MACHINING INC
Address:	1320 N FITZGERALD AVE UNIT D
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014175
Owner:	BAKER CNC MACHINING INC
Permit Number:	PT0038340
Permit Category:	HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status:	INACTIVE
Expiration Date:	12/31/2018

C18
WNW
< 1/8
0.074 mi.
393 ft.

BAKER CNC MACHINING INC
1320 N FITZGERALD AVE STE D
RIALTO, CA 92376

Site 8 of 8 in cluster C

RCRA NonGen / NLR **1024816510**
CAL000318000

Relative:
Higher

Actual:
1391 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-03-27 00:00:00.0
Handler Name:	BAKER CNC MACHINING INC
Handler Address:	1320 N FITZGERALD AVE STE D
Handler City,State,Zip:	RIALTO, CA 92376-0000
EPA ID:	CAL000318000
Contact Name:	MARK BAKER
Contact Address:	1320 N FITZGERALD AVE STE D
Contact City,State,Zip:	RIALTO, CA 92376
Contact Telephone:	909-875-0601
Contact Fax:	440-824-0601
Contact Email:	M426B1@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 116
Mailing City,State,Zip:	ETIWANDA, CA 91739-0116
Owner Name:	BAKER CNC MACHINING INC

BAKER CNC MACHINING INC (Continued) **1024816510**

Owner Type:	Other
Operator Name:	MARK BAKER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:29:05.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

BAKER CNC MACHINING INC (Continued) **1024816510**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MARK BAKER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1320 N FITZGERALD AVE STE D
Owner/Operator City,State,Zip: RIALTO, CA 92376
Owner/Operator Telephone: 909-875-0601
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BAKER CNC MACHINING INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1320 N FITZGERALD AVE STE D
Owner/Operator City,State,Zip: RIALTO, CA 92376-0000
Owner/Operator Telephone: 909-875-0601
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2007-03-27 00:00:00.0
Handler Name: BAKER CNC MACHINING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B19 **A-QUALITY AUTO SERVICE** **RCRA NonGen / NLR** **1024836396**
West **1240 N FITZGERALD AVE STE 210** **CAL000379594**
< 1/8 **RIALTO, CA 92376**
0.075 mi.
394 ft. **Site 5 of 14 in cluster B**

Relative: **Higher**
Actual: **1383 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2012-11-06 00:00:00.0
Handler Name:	A-QUALITY AUTO SERVICE	
Handler Address:		1240 N FITZGERALD AVE STE 210
Handler City,State,Zip:		RIALTO, CA 92376-8614
EPA ID:		CAL000379594
Contact Name:		IVAN RIVAS
Contact Address:		2569 W VIA BELLO DR
Contact City,State,Zip:		RIALTO, CA 92377
Contact Telephone:		909-287-5256
Contact Fax:		000-000-0000
Contact Email:		IRIVAS429@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2569 W VIA BELLO DR
Mailing City,State,Zip:		RIALTO, CA 92377-0000
Owner Name:		IVAN RIVAS
Owner Type:		Other
Operator Name:		IVAN RIVAS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

A-QUALITY AUTO SERVICE (Continued) **1024836396**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:01:35.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	IVAN RIVAS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2569 W VIA BELLO DR
Owner/Operator City,State,Zip:	RIALTO, CA 92377
Owner/Operator Telephone:	909-287-5256
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	IVAN RIVAS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2569 W VIA BELLO DR
Owner/Operator City,State,Zip:	RIALTO, CA 92377-0000
Owner/Operator Telephone:	909-697-0832
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

A-QUALITY AUTO SERVICE (Continued) **1024836396**

Historic Generators:

Receive Date:	2012-11-06 00:00:00.0
Handler Name: A-QUALITY AUTO SERVICE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B20 **FRUCIANOS AUTOMOTIVE** **EDR Hist Auto** **1020561859**
West **1240 N FITZGERALD 112** **N/A**
< 1/8 **RIALTO, CA 92376**
0.075 mi.
394 ft. **Site 6 of 14 in cluster B**

Relative: EDR Hist Auto
Higher

Actual:
1383 ft.

Year:	Name:	Type:
1989	FRUCIANOS AUTOMOTIVE	General Automotive Repair Shops
1991	FRUCIANOS AUTOMOTIVE	General Automotive Repair Shops
1992	FRUCIANOS AUTOMOTIVE	General Automotive Repair Shops
1993	FRUCIANOS AUTOMOTIVE	General Automotive Repair Shops
2000	FONTANA CRNKSHAFT SVC ENG RBLD	Engine Repair
2001	FONTANA CRNKSHAFT SVC ENG RBLD	Engine Repair
2002	FONTANA CRNKSHAFT SVC ENG RBLD	Engine Repair
2003	FONTANA CRNKSHAFT SVC ENG RBLD	Engine Repair
2009	GST AUTO SERVICE TECHNICIANS	Automotive Repair Shops, NEC
2010	GST AUTO SERVICE TECHNICIANS	Automotive Repair Shops, NEC
2014	A QUALITY TRANSMISSIONS	Automotive Transmission Repair Shops

B21
West
< 1/8
0.075 mi.
394 ft.

GST AUTO SERVICE
1240 N FITZGERALD AVE UNIT 208
RIALTO, CA 92376

Site 7 of 14 in cluster B

CERS HAZ WASTE
San Bern. Co. Permit
CERS

S111311536
N/A

Relative:
Higher

Actual:
1383 ft.

CERS HAZ WASTE:
Name: GST AUTO SERVICE
Address: 1240 N FITZGERALD AVE UNIT 208
City,State,Zip: RIALTO, CA 92376
Site ID: 34645
CERS ID: 10312711
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: GST AUTO SERVICE
Address: 1240 N FITZGERALD AVE UNIT 208
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014147
Owner: TZI, STEVEN
Permit Number: PT0024857
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: ACTIVE
Expiration Date: 12/31/2020

Name: GST AUTO SERVICE
Address: 1240 N FITZGERALD AVE UNIT 208
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014147
Owner: TZI, STEVEN
Permit Number: PT0024856
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2012

CERS:
Name: GST AUTO SERVICE
Address: 1240 N FITZGERALD AVE UNIT 208
City,State,Zip: RIALTO, CA 92376
Site ID: 34645
CERS ID: 10312711
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 03-19-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/22/2017. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645

GST AUTO SERVICE (Continued) **S111311536**

Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/19/2017. Hazardous waste accumulation time exceeded (CCR 66262.34(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 06-18-2020
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: OBSERVATION: At the time of inspection, EPA ID number was inactive. CORRECTIVE ACTION: Submit form 1358 to the Department of Toxic Substance Control to reactivate EPA ID number. EPA ID # CAL000348480
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 03-19-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/22/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 08/22/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/19/2017. Failure to complete hazardous

GST AUTO SERVICE (Continued) **S111311536**

	waste labels (CCR 66262.34(f)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	34645
Site Name:	GST AUTO SERVICE
Violation Date:	05-19-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/22/2017. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	34645
Site Name:	GST AUTO SERVICE
Violation Date:	06-18-2020
Citation:	Un-Specified
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance
Violation Notes:	OBSERVATION: At the time of inspection, observed (2) 55 gallon drums of used oil, (1) 55 gallon drum of used antifreeze, and (1) 55 gallon drum of used oil filters that were not all included on the inventory submitted via CERS on 01/16/2018. CORRECTIVE ACTION: Submit a complete and accurate inventory list via CERS within 30 days of inspection. CERS ID # 10312711
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	34645
Site Name:	GST AUTO SERVICE
Violation Date:	05-19-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/19/2017. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	34645
Site Name:	GST AUTO SERVICE
Violation Date:	05-19-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/22/2017. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31)
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS

GST AUTO SERVICE (Continued) **S111311536**

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 03-19-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/19/2014. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/22/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/31/2018.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 03-19-2014
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 08/22/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/19/2017. Failure to note accumulation

GST AUTO SERVICE (Continued) **S111311536**

start date on labels (CCR 66262.34(f)(2))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/31/2018.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Violation Date: 05-19-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/22/2017. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: inspection, was special special changed to cesqg only
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

GST AUTO SERVICE (Continued) **S111311536**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 34645
Site Name: GST AUTO SERVICE
Site Address: 1240 N FITZGERALD AVE UNIT 208
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 03-19-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Site Address: 1240 N FITZGERALD AVE UNIT 208
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 05-19-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 34645
Site Name: GST AUTO SERVICE
Site Address: 1240 N FITZGERALD AVE UNIT 208
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 05-19-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: steven tzi
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

GST AUTO SERVICE (Continued) **S111311536**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	glem stevenson tzi
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 440-7706
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1240 N FITZGERALD AVE UNIT 208
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	GST AUTO SERVICE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Environmental Contact
Entity Name:	STEVE TZI
Entity Title:	Not reported
Affiliation Address:	1240 N FITZGERALD AVE #208
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	TZI, STEVEN
Entity Title:	Not reported

GST AUTO SERVICE (Continued) **S111311536**

Affiliation Address:	1240 N FITZGERALD AVE UNIT 208
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92376
Affiliation Phone:	(909) 820-2350
Affiliation Type Desc:	Identification Signer
Entity Name:	Steven
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

B22 **AFFORDABLE CABINET REFACING** **San Bern. Co. Permit** **S107030291**
West **1240 N FITZGERALD AVE #104** **N/A**
< 1/8 **RIALTO, CA 92376**
0.075 mi.
394 ft. **Site 8 of 14 in cluster B**

Relative: **Higher**

Actual: **1383 ft.**

San Bern. Co. Permit:

Name:	AFFORDABLE CABINET REFACING
Address:	1240 N FITZGERALD AVE #104
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0009980
Owner:	VUELVAS, ALBERTO
Permit Number:	PT0017070
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	09/30/2007

B23 **NICK JOHNSON PERFORMANCE** **RCRA NonGen / NLR** **1026056055**
West **1240 N FITZGERALD AVE #206** **CAL000452241**
< 1/8 **RIALTO, CA 92376**
0.075 mi.
394 ft. **Site 9 of 14 in cluster B**

Relative: **Higher**

Actual: **1383 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-01-28 00:00:00.0
Handler Name:	NICK JOHNSON PERFORMANCE
Handler Address:	1240 N FITZGERALD AVE #206
Handler City,State,Zip:	RIALTO, CA 92376
EPA ID:	CAL000452241
Contact Name:	DAVID ARROBA
Contact Address:	1020 N BATAVIA ST #8
Contact City,State,Zip:	ORANGE, CA 92867
Contact Telephone:	714-997-7950
Contact Fax:	Not reported
Contact Email:	LEASING@SDASSOCIATESPROPERTIES.COM
Contact Title:	Not reported
EPA Region:	09

NICK JOHNSON PERFORMANCE (Continued) **1026056055**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1240 N FITZGERALD AVE #206
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	NICHOLAS JOHNSON
Owner Type:	Other
Operator Name:	NICHOLAS JOHNSON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

NICK JOHNSON PERFORMANCE (Continued) **1026056055**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-02-19 14:13:21.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NICHOLAS JOHNSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8300 CHERRY AVE #26
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-257-4948
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NICHOLAS JOHNSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8300 CHERRY AVE #26
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-257-4948
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-01-28 00:00:00.0
Handler Name:	NICK JOHNSON PERFORMANCE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

NICK JOHNSON PERFORMANCE (Continued) **1026056055**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D24 **DI-WEST SAN BDNO CWD** **UST** **U003784641**
ESE **855 W BASE LINE RD** **N/A**
< 1/8 **RIALTO, CA 92376**
0.091 mi.
480 ft. **Site 1 of 7 in cluster D**

Relative: UST:
Lower
Name: DI-WEST SAN BDNO CWD
Actual: Address: 855 W BASE LINE RD
1360 ft. City,State,Zip: RIALTO, CA 92376
Facility ID: 86008446
Permitting Agency: SAN BERNARDINO COUNTY
Latitude: 34.1225686
Longitude: -117.385832

D25 **WEST SAN BERNARDINO CO. WATER** **HIST UST** **U001575571**
ESE **855 W BASE LINE RD** **N/A**
< 1/8 **RIALTO, CA 92376**
0.091 mi.
480 ft. **Site 2 of 7 in cluster D**

Relative: HIST UST:
Lower
Name: WEST SAN BERNARDINO CO. WATER
Actual: Address: 855 W BASE LINE RD
1360 ft. City,State,Zip: RIALTO, CA 92376
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000042476
Facility Type: Other
Other Type: WATER DISTRICT
Contact Name: ANTHONY W. ARAIZA
Telephone: 7148759056
Owner Name: WEST SAN BERNARDINO COUNTY WAT
Owner Address: 855 WEST BASELINE
Owner City,St,Zip: RIALTO, CA 92376
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

D26 **WEST VALLEY WATER DISTRICT** **AST** **A100346284**
ESE **855 W. BASELINE** **N/A**
< 1/8 **RIALTO, CA**
0.091 mi.
480 ft. **Site 3 of 7 in cluster D**

Relative: AST:
Lower

Actual:
1360 ft.

Name:	WEST VALLEY WATER DISTRICT
Address:	855 W. BASELINE
City/Zip:	RIALTO,
Certified Unified Program Agencies:	San Bernardino
Owner:	WEST VALLEY WATER DISTRICT
Total Gallons:	10,840
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

D27 **WEST SAN BERNARDINO CO WATER** **HIST UST** **S113882081**
ESE **855 WEST BASELINE** **N/A**
< 1/8 **RIALTO, CA 92376**
0.091 mi.
480 ft. **Site 4 of 7 in cluster D**

Relative: HIST UST:
Lower

Actual:
1360 ft.

Name:	WEST SAN BERNARDINO CO WATER
Address:	855 WEST BASELINE
City,State,Zip:	RIALTO, CA 92376
File Number:	0002AA4E
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AA4E.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

WEST SAN BERNARDINO CO WATER (Continued) **S113882081**

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

D28 **WEST VALLEY WATER DISTRICT - CACTUS DUMP** **CPS-SLIC S110770338**
ESE **855 WEST BASE LINE ROAD** **CERS N/A**
< 1/8 **RIALTO, CA 92377**
0.091 mi.
480 ft. **Site 5 of 7 in cluster D**

Relative: **Lower**
Actual: **1360 ft.**

CPS-SLIC:

Name:	WEST VALLEY WATER DISTRICT - CACTUS DUMP
Address:	855 WEST BASE LINE ROAD
City,State,Zip:	RIALTO, CA 92377
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/23/2012
Global Id:	T10000002851
Lead Agency:	Not reported
Lead Agency Case Number:	Not reported
Latitude:	34.12122
Longitude:	-117.387181
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Regional Board
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Lead
Site History:	The site is located in a residential area of Rialto, immediately to the east and north of Cactus Drainage Basin. Existing onsite structures include the District Headquarters, a warehouse/Maintenance building, Well No. 33 and associated pumping equipment, a concrete reservoir, two above ground fuel storage tanks, and a waste oil storage area. The site was previously owned by the County of San Bernardino. It was once a rock quarry and was operated as a refuse disposal and burn dump that ceased operation in 1956. Vertically, fill waste appears to extend from 8 to 13 feet below ground surface. The first encountered groundwater is more than 100 feet deep in the vicinity of the site. The district and the City of Rialto extract about two thirds of the demand from groundwater. In recent years, perchlorate has been detected in several of the wells. As a result, the district has plans to construct a wellhead treatment system that will remove perchlorate and nitrate from the groundwater. The Regional Board has reviewed the plans and has given concurrance with the plans. The district will excavate and remove the fill material below the planned site to remediate the lead contaminated soils at the site prior to constructing the well head treatment system.

Click here to access the California GeoTracker records for this facility:

WEST VALLEY WATER DISTRICT - CACTUS DUMP (Continued) **S110770338**

CERS:
Name: WEST VALLEY WATER DISTRICT - CACTUS DUMP
Address: 855 WEST BASE LINE ROAD
City,State,Zip: RIALTO, CA 92377
Site ID: 228070
CERS ID: T10000002851
CERS Description: Cleanup Program Site

D29 **WEST SAN BERNARDINO CO. WATER** **SWEEPS UST** **S101619412**
ESE **855 W BASELINE** **CERS TANKS** **N/A**
< 1/8 **RIALTO, CA 92376** **CA FID UST**
0.091 mi. **NPDES**
480 ft. **Site 6 of 7 in cluster D** **San Bern. Co. Permit**
CIWQS
Relative: **CERS**
Lower

Actual: **1360 ft.**

SWEEPS UST:
Name: WEST SAN BERNARDINO CO. WATER
Address: 855 W BASELINE
City: RIALTO
Status: Active
Comp Number: 42476
Number: 9
Board Of Equalization: 44-021016
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 36-000-042476-000001
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

CERS TANKS:
Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Address: 855 W BASELINE RD
City,State,Zip: RIALTO, CA 92377
Site ID: 171119
CERS ID: 10038574
CERS Description: Aboveground Petroleum Storage

CA FID UST:
Facility ID: 36002071
Regulated By: UTNKA
Regulated ID: 00042476
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: RIALTO 92376

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

NPDES:

Name:	WEST VALLEY WD WELLHEAD TREATMENT PROJECT
Address:	855 WEST BASELINE ROAD
City,State,Zip:	RIALTO, CA 92376-3103
Facility Status:	Active
NPDES Number:	CAG918001
Region:	8
Agency Number:	394025
Regulatory Measure ID:	383056
Place ID:	776859
Order Number:	R8-2012-0027
WDID:	8 362938001
Regulatory Measure Type:	Enrollee
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	08/23/2012
Effective Date Of Regulatory Measure:	08/23/2012
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	07/01/2017
Discharge Address:	Po Box 920
Discharge Name:	West Valley Water District
Discharge City:	Rialto
Discharge State:	CA
Discharge Zip:	92377
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAG918001
Status:	Active
Agency Number:	394025
Region:	8
Regulatory Measure ID:	383056
Order Number:	R8-2012-0027
Regulatory Measure Type:	Enrollee
Place ID:	776859
WDID:	8 362938001
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	08/23/2012
Effective Date Of Regulatory Measure:	08/23/2012
Expiration Date Of Regulatory Measure:	07/01/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	West Valley Water District
Discharge Address:	Po Box 920
Discharge City:	Rialto

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Discharge State:	CA
Discharge Zip:	92377
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Tertiary Sic: Not reported

San Bern. Co. Permit:
Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Address: 855 W BASELINE RD
City,State,Zip: RIALTO, CA 92377
Region: SAN BERNARDINO
Facility ID: FA0002723
Owner: WEST VALLEY WATER DISTRICT
Permit Number: PT0013497
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 09/30/2021

Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Address: 855 W BASELINE RD
City,State,Zip: RIALTO, CA 92377
Region: SAN BERNARDINO
Facility ID: FA0002723
Owner: WEST VALLEY WATER DISTRICT
Permit Number: PT0013496
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2021

Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Address: 855 W BASELINE RD
City,State,Zip: RIALTO, CA 92377
Region: SAN BERNARDINO
Facility ID: FA0002723
Owner: WEST VALLEY WATER DISTRICT
Permit Number: PT0002001
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2021

Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Address: 855 W BASELINE RD
City,State,Zip: RIALTO, CA 92377
Region: SAN BERNARDINO
Facility ID: FA0002723
Owner: WEST VALLEY WATER DISTRICT
Permit Number: PT0012199
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2003

Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Address: 855 W BASELINE RD
City,State,Zip: RIALTO, CA 92377
Region: SAN BERNARDINO
Facility ID: FA0002723
Owner: WEST VALLEY WATER DISTRICT
Permit Number: PT0001999
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Expiration Date: 09/30/2003

CIWQS:

Name:	WEST VALLEY WD WELLHEAD TREATMENT PROJECT
Address:	855 WEST BASELINE ROAD
City,State,Zip:	RIALTO, CA 92376
Agency:	West Valley Water District
Agency Address:	Po Box 920, Rialto, CA 92377
Place/Project Type:	Utility Structure
SIC/NAICS:	4941
Region:	8
Program:	NPDNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee
Order Number:	R8-2012-0027
WDID:	8 362938001
NPDES Number:	CAG918001
Adoption Date:	08/23/2012
Effective Date:	08/23/2012
Termination Date:	01/01/1900
Expiration/Review Date:	07/01/2017
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.12114
Longitude:	-117.38643

CERS:

Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Address:	855 W BASELINE RD
City,State,Zip:	RIALTO, CA 92377
Site ID:	171119
CERS ID:	10038574
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	OBSERVATION: The current site map in CERS does not show the emergency evacuation staging area, emergency response equipment, or storm/sewer drains on site. CORRECTIVE ACTION: Submit a signed statement that updated Business Plan elements have been submitted into CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each containerG s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes:	OBSERVATION: Documentation of monthly and annual inspections was not available for review. Three years worth of inspection checklists shall be maintained for review. CORRECTIVE ACTION: Submit copies of completed monthly and annual inspection checklists.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	OBSERVATION: Observed two 30-gallon drums of used oil without complete hazardous waste labels. CORRECTIVE ACTION: Submit a photograph showing that the used oil is being stored in a labeled container.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	05-10-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to adequately discuss in the SPCC Plan all applicable bulk storage containers, or no discussion regarding all applicable bulk storage containers included.
Violation Notes:	Returned to compliance on 07/06/2017. At time of inspection, observed petroleum storage containers above the 55 gal threshold that were not included in the SPCC plan. Although the generators are mobile and have the capability to leave the facility for business operations, because they do store petroleum product when stored on site, the generators are required to be accounted for in the SPCC plan.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

	one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	OBSERVATION: Hazardous materials were observed on site during the inspection that are not listed in the most current CERS inventory or are listed in lesser quantities. Also, the box for hazardous waste generation in the Business Activities section has not been checked. CORRECTIVE ACTION: Submit a signed statement that updated Business Plan elements have been submitted into CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description:	Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	OBSERVATION: A tank facility statement has not been submitted on an annual basis. CORRECTIVE ACTION: Submit a signed statement that an accurate and complete tank facility statement has been submitted into CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to discuss in the SPCC Plan procedures to test or inspect each aboveground container for integrity in accordance with industry standards: 1. On a regular schedule. 2. After material repairs are made. 3. By qualified personnel. 4. The frequency and type of testing and inspections based on container size, configuration, and design.
Violation Notes:	OBSERVATION: The SPCC plan does not discuss formal tank integrity inspection procedures and requirements. Only monthly and annual periodic inspections were discussed in the plan. CORRECTIVE ACTION: Submit a signed statement that the SPCC plan has been revised to include procedures and cited standard for formal tank integrity testing.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	05-10-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to discuss in the SPCC Plan procedures to test or inspect each

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

	aboveground container for integrity in accordance with industry standards: 1. On a regular schedule. 2. After material repairs are made. 3. By qualified personnel. 4. The frequency and type of testing and inspections based on container size, configuration, and design.
Violation Notes:	Returned to compliance on 07/06/2017. The facilityG s SPCC plan cites multiple industry standards for the testing/inspection of their aboveground storage tanks: API 653, STI SP001, and API RP 575. During the inspection, the industry standard used to determine integrity testing and inspection procedures could not be determined.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	05-10-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/06/2017. Hazardous waste accumulation time exceeded (CCR 66262.34(a)) The accumulation time for the (1) 55 gal drum of used oil waste has exceeded the accumulation time. Once the contents inside the drum reach 27 gal, facility has 90 days to properly dispose of the contents inside the drum as hazardous waste. Based off of the accumulation start date on the container information provided by the operator ,along with the disposal records available for review, a determination was made at time of inspection that the used oil has been on site since 2/15/13 and the amount inside the drum have exceeded 27 gal for more than 90 days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.
Violation Notes:	OBSERVATION: A back up generator and 55-gallon drums of motor/food grade oils are not listed in the current SPCC plan inventory. CORRECTIVE ACTION: Submit a signed statement that the SPCC plan has been revised and recertified to include all applicable oil containers.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	171119
Site Name:	WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date:	06-10-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to include in the SPCC Plan: 1. A contact list and phone

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

numbers for the facility response coordinator, National Response Center, cleanup contractors with an agreement for response, and all Federal, State, and local agencies who must be contacted in case of a discharge 2. Information and procedures that would enable a person reporting an oil discharge to relate all information as described in 40 CFR 112.7(a)(4), unless facility submitted a Facility Response Plan.

Violation Notes: OBSERVATION: The current plan does not list the correct emergency phone number for the local CUPA. 909-386-8425 is the correct phone number that shall be used. CORRECTIVE ACTION: Submit a signed statement that the plan has been revised.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 171119
Site Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Violation Date: 05-10-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/06/2017. The Hazardous Materials Inventory submitted to CERS on 2/10/17 is not consistent with what was observed at time of inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 171119
Site Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Site Address: 855 W BASELINE RD
Site City: RIALTO
Site Zip: 92377
Enf Action Date: 05-10-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: APSA
Enf Action Source: CERS

Site ID: 171119
Site Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Site Address: 855 W BASELINE RD
Site City: RIALTO
Site Zip: 92377
Enf Action Date: 05-10-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 171119
Site Name: WEST VALLEY WTR DIST CMPLEX WELL#33
Site Address: 855 W BASELINE RD

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Site City:	RIALTO
Site Zip:	92377
Enf Action Date:	05-10-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Robin Glenney
Entity Title:	Water Quality Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Document Preparer
Entity Name:	Angela Navarro
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	West Valley Water District
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 875-1804

Affiliation Type Desc:	Parent Corporation
Entity Name:	West Valley Water District
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Robin Glenney
Entity Title:	Not reported
Affiliation Address:	PO BOX 920
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	855 WEST BASELINE RD
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92377-0920
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	WEST VALLEY WATER DISTRICT
Entity Title:	Not reported
Affiliation Address:	P.O. BOx 920
Affiliation City:	RIALTO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92376
Affiliation Phone:	(909) 875-1804

D30 **WEST VALLEY WATER DISTRICT** **RCRA-LQG** **1016139899**
ESE **855 W BASE LINE ROAD** **FINDS** **CAL000270754**
< 1/8 **RIALTO, CA 92376** **ECHO**
0.091 mi.
480 ft. **Site 7 of 7 in cluster D**

Relative: RCRA-LQG:
Lower

Date Form Received by Agency:	2012-12-21 00:00:00.0
Handler Name:	WEST VALLEY WATER DISTRICT
Handler Address:	855 W BASE LINE ROAD
Handler City,State,Zip:	RIALTO, CA 92376
EPA ID:	CAL000270754
Contact Name:	RENEE MURPHY
Contact Address:	P O BOX 920
Contact City,State,Zip:	RIALTO, CA 92377
Contact Telephone:	909-875-1804
Contact Fax:	Not reported
Contact Email:	RMURPHY@WVWD.ORG
Contact Title:	INVENTORY
EPA Region:	09
Land Type:	District
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported

Actual:
1360 ft.

WEST VALLEY WATER DISTRICT (Continued) **1016139899**

Biennial Report Cycle:	2011
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 920
Mailing City,State,Zip:	RIALTO, CA 92377
Owner Name:	WEST VALLEY WATER DISTRICT
Owner Type:	District
Operator Name:	WEST VALLEY WATER DISTRICT
Operator Type:	District
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

WEST VALLEY WATER DISTRICT (Continued) **1016139899**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	2013-03-04 17:29:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WEST VALLEY WATER DISTRICT
Legal Status:	District
Date Became Current:	1961-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 920
Owner/Operator City,State,Zip:	RIALTO, CA 92377
Owner/Operator Telephone:	909-875-1804
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WEST VALLEY WATER DISTRICT
Legal Status:	District
Date Became Current:	1961-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 920
Owner/Operator City,State,Zip:	RIALTO, CA 92377
Owner/Operator Telephone:	909-875-1804
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2012-12-21 00:00:00.0
Handler Name:	WEST VALLEY WATER DISTRICT
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

WEST VALLEY WATER DISTRICT (Continued) **1016139899**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 22131
NAICS Description: WATER SUPPLY AND IRRIGATION SYSTEMS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055161239

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016139899
Registry ID: 110055161239
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055161239
Name: WEST VALLEY WATER DISTRICT
Address: 855 W BASE LINE RD
City,State,Zip: RIALTO, CA 92376

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31 **CACTUS DUMP (RIALTO)** **SWF/LF** **S109821551**
ENE **E 1/2,NE 1/4 OF S3, T1S, R5W, SBBM.** **CERS** **N/A**
< 1/8 **RIALTO, CA 99999**
0.091 mi.
483 ft.

Relative:
Lower

Actual:
1345 ft.

SWF/LF (SWIS):
Name: CACTUS DUMP (RIALTO)
Address: E 1/2,NE 1/4 OF S3, T1S, R5W, SBBM.
City,State,Zip: RIALTO, CA 99999
Region: STATE
Facility ID: 36-CR-0006
SWIS Number: 36-CR-0006
Point of Contact: Dawn Liang
Is Archived: No
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No

CACTUS DUMP (RIALTO) (Continued) **S109821551**

Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rialto
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services
Regulation Status:	Pre-regulation

Activity:

SWIS Number:	36-CR-0006
Site Name:	Cactus Dump (Rialto)
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	None
Throughput:	0
Throughput Units:	Not reported
Remaining Capacity:	0
Remaining Capacity Date:	Not reported
Capacity:	0
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	0
Permitted Elevation Type:	Not reported
Permitted Depth:	0
Permitted Depth Type:	Not reported
Point of Contact:	Dawn Liang
Site Operational Status:	Closed
Site Regulatory Status:	Pre-regulation
Site Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	Not reported
County:	San Bernardino
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rialto
Street Address:	E 1/2,ne 1/4 Of S3, T1s, R5w, Sbbm.
City:	Rialto
State:	CA
ZIP Code:	99999

CACTUS DUMP (RIALTO) (Continued) **S109821551**

Reporting Agency Legal Name: County of San Bernardino
Reporting Agency Department: Div. of Environmental Health Services
Enforcing Agency Legal Name: County of San Bernardino
Enforcing Agency Department: Div. of Environmental Health Services

CERS:
Name: CACTUS DUMP (RIALTO)
Address: E 1/2,NE 1/4 OF S3, T1S, R5W, SBBM.
City,State,Zip: RIALTO, CA
Site ID: 507314
CERS ID: 36-CR-0006
CERS Description: Solid Waste and Recycle Sites

E32 **FUNCO MOTORSPORT INC** **HAZNET** **S113466258**
WNW **1280 N FITZGERALD AVE** **San Bern. Co. Permit** **N/A**
< 1/8 **RIALTO, CA 92376** **HWTS**
0.095 mi.
501 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
1389 ft.

HAZNET:
Name: FUNCO MOTORSPORT INC
Address: 1280 N FITZGERALD AVE
Address 2: Not reported
City,State,Zip: RIALTO, CA 923768617
Contact: GERI GEORGE
Telephone: 9094212558
Mailing Name: Not reported
Mailing Address: 1280 N FITZGERALD AVE STE F

Year: 2019
Gepaid: CAL000315524
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.00000

Year: 2010
Gepaid: CAL000315524
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 0.15

Additional Info:
Year: 2010
Gen EPA ID: CAL000315524

Shipment Date: 20100902
Creation Date: 12/3/2012 22:15:55
Receipt Date: Not reported
Manifest ID: 003731778FLE
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported

FUNCO MOTORSPORT INC (Continued) **S113466258**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	CASTANEDA'S AUTO DETAIL
Address:	1280 N FITZGERALD AVE A
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014103
Owner:	CASTANEDA, GERARDO
Permit Number:	PT0024795
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	11/30/2020

Name:	CASTANEDA'S AUTO DETAIL
Address:	1280 N FITZGERALD AVE A
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014103
Owner:	CASTANEDA, GERARDO
Permit Number:	PT0024796
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	11/30/2020

HWTS:

Name:	FUNCO MOTORSPORT INC
Address:	1280 N FITZGERALD AVE
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923768617
EPA ID:	CAL000315524
Inactive Date:	Not reported
Create Date:	01/19/2007
Last Act Date:	08/24/2020
Mailing Name:	GERI
Mailing Address:	1455 N FITZGERALD AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	FUNCO MOTORSPORTS INC GILMAN GEORGE
Owner Address:	1455 N FITZGERALD AVE
Owner Address 2:	Not reported

FUNCO MOTORSPORT INC (Continued) **S113466258**

Owner City,State,Zip: RIALTO, CA 92376
Contact Name: GERI GEORGE
Contact Address: 1455 N FITZGERALD AVE 1455 N FITZGERALD AVE
Contact Address 2: Not reported
City,State,Zip: RIALTO, CA 92376

NAICS:
EPA ID: CAL000315524
Create Date: 2007-01-19 13:44:35.157
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 2007-01-19 13:44:35.14000
Inactive Date: Not reported
Facility Name: FUNCO MOTORSPORT INC
Facility Address: 1280 N FITZGERALD AVE
Facility Address 2: Not reported
Facility City: RIALTO
Facility County: Not reported
Facility State: CA
Facility Zip: 923768617

E33 **FUNCO MOTORSPORT INC** **RCRA NonGen / NLR** **1024815900**
WNW **1280 N FITZGERALD AVE** **CAL000315524**
< 1/8 **RIALTO, CA 92376**
0.095 mi.
501 ft. **Site 2 of 2 in cluster E**

Relative: **Higher**
Actual: **1389 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2007-01-19 00:00:00.0
Handler Name: FUNCO MOTORSPORT INC
Handler Address: 1280 N FITZGERALD AVE
Handler City,State,Zip: RIALTO, CA 92376-8617
EPA ID: CAL000315524
Contact Name: GERI GEORGE
Contact Address: 1280 N FITZGERALD AVE STE F
Contact City,State,Zip: RIALTO, CA 92376
Contact Telephone: 909-421-2558
Contact Fax: 909-421-2920
Contact Email: FUNCOGMA@AOL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1280 N FITZGERALD AVE STE F
Mailing City,State,Zip: RIALTO, CA 92376-8617
Owner Name: FUNCO MOTORSPORTS INC GILMAN GEORGE
Owner Type: Other
Operator Name: GERI GEORGE
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No

FUNCO MOTORSPORT INC (Continued) **1024815900**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:28:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Owner

FUNCO MOTORSPORT INC (Continued) **1024815900**

Owner/Operator Name:	FUNCO MOTORSPORTS INC GILMAN GEORGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1280 N FITZGERALD AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92376-0000
Owner/Operator Telephone:	909-820-2858
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GERI GEORGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1280 N FITZGERALD AVE STE F
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-421-2558
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2007-01-19 00:00:00.0
Handler Name: FUNCO MOTORSPORT INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B34 **ROMERO'S MACHINE SHOP** **San Bern. Co. Permit** **S109598616**
West **1260 N FITZGERALD AVE UNIT 116** **N/A**
< 1/8 **RIALTO, CA 92376**
0.095 mi.
501 ft. **Site 10 of 14 in cluster B**

Relative:
Higher

Actual:
1386 ft.

San Bern. Co. Permit:

Name:	ROMERO'S MACHINE SHOP
Address:	1260 N FITZGERALD AVE UNIT 116
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0005794
Owner:	ROMERO, BULMARO
Permit Number:	PT0008175
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	11/30/2011

Name:	ROMERO'S MACHINE SHOP
Address:	1260 N FITZGERALD AVE UNIT 116
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0005794
Owner:	ROMERO, BULMARO
Permit Number:	PT0008176
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status:	INACTIVE
Expiration Date:	11/30/2010

B35 **A & J AUTO REPAIR** **San Bern. Co. Permit** **S111311537**
West **1260 N FITZGERALD CIR UNIT 118** **N/A**
< 1/8 **RIALTO, CA 92376**
0.095 mi.
501 ft. **Site 11 of 14 in cluster B**

Relative:
Higher

Actual:
1386 ft.

San Bern. Co. Permit:

Name:	A & J AUTO REPAIR
Address:	1260 N FITZGERALD CIR UNIT 118
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014149
Owner:	Juan Guzman
Permit Number:	PT0024859
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	12/31/2016

Name:	A & J AUTO REPAIR
Address:	1260 N FITZGERALD CIR UNIT 118
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014149
Owner:	Juan Guzman
Permit Number:	PT0024858
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	12/31/2016

Name:	A & J TOTAL AUTO REPAIR
Address:	1260 N FITZGERALD CIR UNIT 118

A & J AUTO REPAIR (Continued) **S111311537**

City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0017555
Owner: VALDIVIA, ALICIA
Permit Number: PT0037785
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 11/30/2020

Name: A & J TOTAL AUTO REPAIR
Address: 1260 N FITZGERALD CIR UNIT 118
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0017555
Owner: VALDIVIA, ALICIA
Permit Number: PT0037786
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 11/30/2020

B36 **J C AUTO REPAIR** **RCRA NonGen / NLR** **1024866614**
West **1260 N FIZGERALD AVE STE 206** **CAL000435201**
< 1/8 **RIALTO, CA 92376**
0.095 mi.
501 ft. **Site 12 of 14 in cluster B**

Relative: **Higher**
Actual: **1386 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-04-23 00:00:00.0
Handler Name:	J C AUTO REPAIR	
Handler Address:		1260 N FIZGERALD AVE STE 206
Handler City,State,Zip:		RIALTO, CA 92376
EPA ID:		CAL000435201
Contact Name:		JESUS CACERES
Contact Address:		1260 N FIZGERALD AVE STE 206
Contact City,State,Zip:		RIALTO, CA 92376
Contact Telephone:		951-205-3317
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1260 N FIZGERALD AVE STE 206
Mailing City,State,Zip:		RIALTO, CA 92376
Owner Name:		JESUS ANTONIO CACERES
Owner Type:		Other
Operator Name:		JESUS CACERES
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No

J C AUTO REPAIR (Continued) **1024866614**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-07 19:37:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JESUS ANTONIO CACERES
Legal Status:	Other

J C AUTO REPAIR (Continued) **1024866614**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19355 TAHOE ST
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	951-205-3317
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	JESUS CACERES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1260 N FIZGERALD AVE STE 206
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	951-205-3317
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-04-23 00:00:00.0
Handler Name: J C AUTO REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B37 **HECTOR SMOKE CHECK** **EDR Hist Auto** **1021043920**
West **1260 N FITZGERALD AVE** **N/A**
< 1/8 **RIALTO, CA 92376**
0.095 mi.
501 ft. **Site 13 of 14 in cluster B**

Relative: EDR Hist Auto
Higher

Actual:
1386 ft.

Year:	Name:	Type:
1999	R&R AUTO TECH R&R RACING	General Automotive Repair Shops
2000	R&R AUTO TECH R&R RACING	General Automotive Repair Shops
2001	R&R AUTO TECH R&R RACING	General Automotive Repair Shops
2002	R&R AUTO TECH R&R RACING	General Automotive Repair Shops
2003	R&R AUTO TECH R&R RACING	General Automotive Repair Shops
2004	R&R AUTO TECH R&R RACING	General Automotive Repair Shops
2005	R & R RACING	Civic And Social Associations
2006	R & R RACING	Civic And Social Associations
2007	A & J AUTO REPAIR	General Automotive Repair Shops
2007	R & R RACING	General Automotive Repair Shops
2008	A & J AUTO REPAIR	General Automotive Repair Shops
2008	R & R RACING	General Automotive Repair Shops
2008	GARAGE ONE	General Automotive Repair Shops
2009	A & J AUTO REPAIR	General Automotive Repair Shops
2010	A & J AUTO REPAIR	General Automotive Repair Shops
2011	A & J AUTO REPAIR	General Automotive Repair Shops
2011	TRANSMISSION PROFESSIONAL	Automotive Transmission Repair Shops
2012	A & J AUTO REPAIR	General Automotive Repair Shops
2012	TRANSMISSION PROFESSIONAL	Automotive Transmission Repair Shops
2012	CALIPER AUTO REPAIR SERVICES	General Automotive Repair Shops
2013	TRANSMISSION PROFESSIONAL	Automotive Transmission Repair Shops
2013	CALIPER AUTO REPAIR SERVICES	General Automotive Repair Shops
2013	A & J AUTO REPAIR	General Automotive Repair Shops
2014	TRANSMISSION PROFESSIONAL	Automotive Transmission Repair Shops
2014	CALIPER AUTO REPAIR SERVICES	General Automotive Repair Shops
2014	A & J AUTO REPAIR	General Automotive Repair Shops

B38 **A&J AUTO REPAIR** **RCRA NonGen / NLR** **1024826701**
West **1260 N FITZGERALD AVE** **CAL000354877**
< 1/8 **RIALTO, CA 92376**
0.095 mi.
501 ft. **Site 14 of 14 in cluster B**

Relative: RCRA NonGen / NLR:
Higher

Actual:
1386 ft.

Date Form Received by Agency:		2010-07-19 00:00:00.0
Handler Name:	A&J AUTO REPAIR	
Handler Address:		1260 N FITZGERALD AVE
Handler City,State,Zip:		RIALTO, CA 92376-8635
EPA ID:		CAL000354877
Contact Name:		JUAN GUZMAN
Contact Address:		1260 N FITZGERALD AVE
Contact City,State,Zip:		RIALTO, CA 92376
Contact Telephone:		909-877-5698
Contact Fax:		909-820-3145
Contact Email:		AJAUTORIALTO@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported

A&J AUTO REPAIR (Continued) **1024826701**

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1260 N FITZGERALD AVE
Mailing City,State,Zip:	RIALTO, CA 92376-8635
Owner Name:	JUAN E GUZMAN GONZALEZ
Owner Type:	Other
Operator Name:	JUAN GUZMAN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

A&J AUTO REPAIR (Continued) **1024826701**

Handler Date of Last Change:	2018-09-05 20:32:31.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JUAN E GUZMAN GONZALEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1116 RUNAWAY CIR
Owner/Operator City,State,Zip:	COLTON, CA 92324-6216
Owner/Operator Telephone:	909-609-0564
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JUAN GUZMAN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1260 N FITZGERALD AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-877-5698
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-07-19 00:00:00.0
Handler Name: A&J AUTO REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

A&J AUTO REPAIR (Continued) **1024826701**

Evaluation Action Summary:
Evaluations: No Evaluations Found

39
NW
< 1/8
0.104 mi.
548 ft.

WINPAK LANE INC
1365 N AYALA DR
RIALTO, CA 92376

RCRA NonGen / NLR **1026721958**
CAL000459000

Relative:
Higher

Actual:
1399 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-12-28 00:00:00.0
Handler Name:	WINPAK LANE INC	
Handler Address:		1365 N AYALA DR
Handler City,State,Zip:		RIALTO, CA 92376
EPA ID:		CAL000459000
Contact Name:		JASON BAIRD
Contact Address:		1365 N AYALA DR
Contact City,State,Zip:		RIALTO, CA 92376
Contact Telephone:		909-885-0715
Contact Fax:		Not reported
Contact Email:		JASON.BAIRD@WINPAK.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1365 N AYALA DR
Mailing City,State,Zip:		RIALTO, CA 92376
Owner Name:		WINPAK LANE INC
Owner Type:		Other
Operator Name:		JASON BAIRD
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

WINPAK LANE INC (Continued) **1026721958**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2021-02-26 18:46:25.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WINPAK LANE INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1365 N AYALA DR
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-885-0715
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JASON BAIRD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1365 N AYALA DR

WINPAK LANE INC (Continued) **1026721958**

Owner/Operator City,State,Zip: RIALTO, CA 92376
Owner/Operator Telephone: 909-885-0715
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-12-28 00:00:00.0
Handler Name: WINPAK LANE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 333993
NAICS Description: PACKAGING MACHINERY MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F40 **POWER DIESEL** **RCRA NonGen / NLR** **1026490792**
NW **1436 N AYALA DR STE #I** **CAL000455529**
< 1/8 **RIALTO, CA 92376**
0.107 mi.
566 ft. **Site 1 of 3 in cluster F**

Relative: **Higher**
Actual: **1403 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2020-07-08 00:00:00.0
Handler Name: POWER DIESEL
Handler Address: 1436 N AYALA DR STE #I
Handler City,State,Zip: RIALTO, CA 92376
EPA ID: CAL000455529
Contact Name: SONIA NAVARRO
Contact Address: 1436 N AYALA DR STE #I
Contact City,State,Zip: RIALTO, CA 92376
Contact Telephone: 909-562-0846
Contact Fax: Not reported
Contact Email: POWERDIESELINJECTION@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

POWER DIESEL (Continued) **1026490792**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1436 N AYALA DR STE #I
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	SERGIO MINCHACA
Owner Type:	Other
Operator Name:	SONIA NAVARRO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-07-10 18:45:37.0

POWER DIESEL (Continued) **1026490792**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SONIA NAVARRO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1436 N AYALA DR STE #I
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-562-0846
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SERGIO MINCHACA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1436 N AYALA DR STE #I
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-264-6061
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-07-08 00:00:00.0
Handler Name: POWER DIESEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

POWER DIESEL (Continued) **1026490792**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F41 **INLAND JEEP** **RCRA NonGen / NLR** **1024844462**
NW **1436 N AYALA DR STE I** **CAL000396905**
< 1/8 **RIALTO, CA 92376**
0.107 mi.
566 ft. **Site 2 of 3 in cluster F**

Relative: **Higher**

Actual: **1403 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2014-05-20 00:00:00.0
Handler Name:	INLAND JEEP	
Handler Address:		1436 N AYALA DR STE I
Handler City,State,Zip:		RIALTO, CA 92376-0000
EPA ID:		CAL000396905
Contact Name:		MELANIE SCHWARTZ OWNER
Contact Address:		1436 N AYALA DR STE I
Contact City,State,Zip:		RIALTO, CA 92376-0000
Contact Telephone:		909-346-6328
Contact Fax:		Not reported
Contact Email:		INLANDJEEP812@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1436 N AYALA DR STE I
Mailing City,State,Zip:		RIALTO, CA 92376-0000
Owner Name:		SHAWN & MELANIE SCHWARTZ
Owner Type:		Other
Operator Name:		MELANIE SCHWARTZ OWNER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

INLAND JEEP (Continued) **1024844462**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:04:25.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHAWN & MELANIE SCHWARTZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1436 N AYALA DR STE I
Owner/Operator City,State,Zip:	RIALTO, CA 92376-0000
Owner/Operator Telephone:	909-346-6328
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MELANIE SCHWARTZ OWNER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1436 N AYALA DR STE I

INLAND JEEP (Continued) **1024844462**

Owner/Operator City,State,Zip: RIALTO, CA 92376-0000
Owner/Operator Telephone: 909-346-6328
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2014-05-20 00:00:00.0
Handler Name: INLAND JEEP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F42 **INLAND JEEP** **San Bern. Co. Permit** **S122218594**
NW **1436 N AYALA DR STE I** **HWTS** **N/A**
< 1/8 **RIALTO, CA 92376**
0.107 mi.
566 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
1403 ft.

San Bern. Co. Permit:
Name: UNITECH AUTO REPAIR
Address: 1436 N AYALA DR
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014979
Owner: FRANCISCO LOPEZ
Permit Number: PT0038082
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 04/30/2018

Name: INLAND JEEP
Address: 1436 N AYALA DR STE I
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0017976
Owner: Melanie and Shawn Schwartz
Permit Number: PT0038840

INLAND JEEP (Continued) **S122218594**

Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2020

Name: INLAND JEEP
Address: 1436 N AYALA DR STE I
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0017976
Owner: Melanie and Shawn Schwartz
Permit Number: PT0038839
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 05/31/2020

Name: UNITECH AUTO REPAIR
Address: 1436 N AYALA DR
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014979
Owner: FRANCISCO LOPEZ
Permit Number: PT0026060
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: INACTIVE
Expiration Date: 04/30/2020

HWTS:
Name: POWER DIESEL
Address: 1436 N AYALA DR STE #I
Address 2: Not reported
City,State,Zip: RIALTO, CA 92376
EPA ID: CAL000455529
Inactive Date: Not reported
Create Date: 07/08/2020
Last Act Date: 07/08/2020
Mailing Name: Not reported
Mailing Address: 1436 N AYALA DR STE #I
Mailing Address 2: Not reported
Mailing City,State,Zip: RIALTO, CA 92376
Owner Name: SERGIO MINCHACA
Owner Address: 1436 N AYALA DR STE #I
Owner Address 2: Not reported
Owner City,State,Zip: RIALTO, CA 92376
Contact Name: SONIA NAVARRO
Contact Address: 1436 N AYALA DR STE #I
Contact Address 2: Not reported
City,State,Zip: RIALTO, CA 92376

NAICS:
EPA ID: CAL000455529
Create Date: 2020-07-08 15:56:41.947
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 2020-07-08 15:56:41.93000
Inactive Date: Not reported
Facility Name: POWER DIESEL
Facility Address: 1436 N AYALA DR STE #I

INLAND JEEP (Continued) **S122218594**

Facility Address 2:	Not reported
Facility City:	RIALTO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92376

Name:	INLAND JEEP
Address:	1436 N AYALA DR STE I
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923760000
EPA ID:	CAL000396905
Inactive Date:	06/30/2020
Create Date:	05/20/2014
Last Act Date:	07/15/2020
Mailing Name:	Not reported
Mailing Address:	725 W RIALTO AVE
Mailing Address 2:	SUITE E
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	SHAWN & MELANIE SCHWARTZ
Owner Address:	725 W RIALTO AVE
Owner Address 2:	SUITE E
Owner City,State,Zip:	RIALTO, CA 92376
Contact Name:	SHAWN SCHWARTZ
Contact Address:	725 W RIALTO AVE
Contact Address 2:	UNIT E
City,State,Zip:	RIALTO, CA 92376

NAICS:

EPA ID:	CAL000396905
Create Date:	2014-05-20 09:44:47.703
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2014-05-20 09:44:47.68000
Inactive Date:	2020-06-30 00:00:00
Facility Name:	INLAND JEEP
Facility Address:	1436 N AYALA DR STE I
Facility Address 2:	Not reported
Facility City:	RIALTO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923760000

43
East
1/8-1/4
0.159 mi.
841 ft.

RAMINDER GREWAL **RCRA NonGen / NLR** **1025860283**
749 W MARGARITA ST **CAC003040922**
RIALTO, CA 92376

Relative:
Lower

Actual:
1365 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-10-29 00:00:00.0
Handler Name:	RAMINDER GREWAL	
Handler Address:		749 W MARGARITA ST
Handler City,State,Zip:		RIALTO, CA 92376-3112
EPA ID:		CAC003040922
Contact Name:		RAMINDER GREWAL
Contact Address:		749 W MARGARITA ST

RAMINDER GREWAL (Continued) **1025860283**

Contact City,State,Zip:	RIALTO, CA 92376-3112
Contact Telephone:	909-904-7019
Contact Fax:	Not reported
Contact Email:	TAMMYHURLEY@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	749 W MARGARITA ST
Mailing City,State,Zip:	RIALTO, CA 92376-3112
Owner Name:	RAMINDER GREWAL
Owner Type:	Other
Operator Name:	RAMINDER GREWAL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

RAMINDER GREWAL (Continued) **1025860283**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-11-08 14:10:05.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RAMINDER GREWAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	749 W MARGARITA ST
Owner/Operator City,State,Zip:	RIALTO, CA 92376-3112
Owner/Operator Telephone:	909-904-7019
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RAMINDER GREWAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	749 W MARGARITA ST
Owner/Operator City,State,Zip:	RIALTO, CA 92376-3112
Owner/Operator Telephone:	909-904-7019
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-10-29 00:00:00.0
Handler Name: RAMINDER GREWAL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

RAMINDER GREWAL (Continued) **1025860283**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G44 **AT&T MOBILITY - VERIZON MONOPOLE COLO (USID24397)** **San Bern. Co. Permit** **S120765434**
NNW **1481 N AYALA DR** **CERS** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.162 mi.
857 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
1409 ft.

San Bern. Co. Permit:
Name: AT&T MOBILITY - VERIZON MONOPOLE COLO (USID24397)
Address: 1481 N AYALA DR
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0014537
Owner: New Cingular Wireless PCS, LLC dba AT&T Mobility
Permit Number: PT0036994
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 02/28/2020

CERS:
Name: AT&T MOBILITY - VERIZON MONOPOLE COLO (USID24397)
Address: 1481 N AYALA DR
City,State,Zip: RIALTO, CA 92376
Site ID: 564964
CERS ID: 10675087
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino

AT&T MOBILITY - VERIZON MONOPOLE COLO (USID24397) (Continued) **S120765434**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Environmental Contact
Entity Name:	AT&T EH&S Hotline - Option #1
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	New Cingular Wireless PCS, LLC dba AT&T Mobility

AT&T MOBILITY - VERIZON MONOPOLE COLO (USID24397) (Continued) **S120765434**

Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

H45 **ENNIS-FLINT** **RCRA NonGen / NLR** **1024862684**
NW **1450 N FITZGERALD AVE** **CAL000431206**
1/8-1/4 **RIALTO, CA 92376**
0.164 mi.
864 ft. **Site 1 of 4 in cluster H**

Relative: **Higher**

Actual: **1406 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2017-10-04 00:00:00.0
Handler Name:	ENNIS-FLINT	
Handler Address:		1450 N FITZGERALD AVE
Handler City,State,Zip:		RIALTO, CA 92376
EPA ID:		CAL000431206
Contact Name:		ARCHIE JACKSON
Contact Address:		1450 N FITZGERALD AVE
Contact City,State,Zip:		RIALTO, CA 92376
Contact Telephone:		442-283-4940
Contact Fax:		Not reported
Contact Email:		AJACKSON@ENNISFLINT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 310215
Mailing City,State,Zip:		FONTANA, CA 92331
Owner Name:		ENNIS-FLINT W LOPES
Owner Type:		Other
Operator Name:		ARCHIE JACKSON
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

ENNIS-FLINT (Continued) **1024862684**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-07 19:36:45.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ENNIS-FLINT W LOPES
Legal Status:	Other
Date Became Current:	Not reported

ENNIS-FLINT (Continued) **1024862684**

Date Ended Current:	Not reported
Owner/Operator Address:	115 TODD CRT
Owner/Operator City,State,Zip:	THOMASVILLE, NC 27360
Owner/Operator Telephone:	800-331-8118
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARCHIE JACKSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1450 N FITZGERALD AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	442-283-4940
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2017-10-04 00:00:00.0
Handler Name: ENNIS-FLINT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H46 **VALLEY POWER SYSTEMS INC** **HAZNET** **S118203906**
NW **1450 N FITZGERALD AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **RIALTO, CA 92376** **HWTS**
0.164 mi.
864 ft. **Site 2 of 4 in cluster H**

Relative: **Higher**
Actual: **1406 ft.**

HAZNET:

Name:	L2 PAVEMENT INC
Address:	1450 N FITZGERALD AVE
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923768621

VALLEY POWER SYSTEMS INC (Continued) **S118203906**

Contact: SEAN CAESAR
Telephone: 2123501545
Mailing Name: Not reported
Mailing Address: 1450 N FITZGERALD AVE

Year: 2014
Gepaid: CAC002763234
TSD EPA ID: CAD044429835
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2014
Gepaid: CAC002763234
TSD EPA ID: NVT330010000
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.25

Additional Info:
Year: 2014
Gen EPA ID: CAC002763234

Shipment Date: 20140408
Creation Date: 9/9/2014 22:15:12
Receipt Date: 20140418
Manifest ID: 000197409MWI
Trans EPA ID: CAR000176826
Trans Name: HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID: CAD980585293
Trans 2 Name: INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.25
Waste Quantity: 500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140311
Creation Date: 4/30/2014 22:15:24
Receipt Date: 20140331
Manifest ID: 004213863SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC

VALLEY POWER SYSTEMS INC (Continued) **S118203906**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	ENNIS FLINT, INC.
Address:	1450 N FITZGERALD AVE
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0016933
Owner:	ENNIS FLINT
Permit Number:	PT0036218
Permit Category:	HAZARDOUS MATERIALS 31-50 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	03/31/2020

Name:	ENNIS FLINT, INC.
Address:	1450 N FITZGERALD AVE
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0016933
Owner:	ENNIS FLINT
Permit Number:	PT0036219
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	03/31/2020

HWTS:

Name:	VALLEY POWER SYSTEMS INC
Address:	1450 N FITZGERALD AVE
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 92376
EPA ID:	CAL000457358
Inactive Date:	Not reported
Create Date:	10/06/2020
Last Act Date:	10/06/2020
Mailing Name:	Not reported
Mailing Address:	1450 N FITZGERALD AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	H CLARK LEE

VALLEY POWER SYSTEMS INC (Continued) **S118203906**

Owner Address: 425 S. HACIENDA BLVD
Owner Address 2: Not reported
Owner City,State,Zip: INDUSTRY, CA 91752
Contact Name: JIM PRICE
Contact Address: 425 S. HACIENDA BLVD
Contact Address 2: Not reported
City,State,Zip: INDUSTRY, CA 91752

NAICS:
EPA ID: CAL000457358
Create Date: 2020-10-06 21:22:20.573
NAICS Code: 453998
NAICS Description: All Other Miscellaneous Store Retailers (except Tobacco Stores)
Issued EPA ID Date: 2020-10-06 21:22:20.57000
Inactive Date: Not reported
Facility Name: VALLEY POWER SYSTEMS INC
Facility Address: 1450 N FITZGERALD AVE
Facility Address 2: Not reported
Facility City: RIALTO
Facility County: Not reported
Facility State: CA
Facility Zip: 92376

Name: L2 PAVEMENT INC
Address: 1450 N FITZGERALD AVE
Address 2: Not reported
City,State,Zip: RIALTO, CA 923768621
EPA ID: CAC002763234
Inactive Date: 06/05/2014
Create Date: 03/06/2014
Last Act Date: 06/06/2014
Mailing Name: Not reported
Mailing Address: 1450 N FITZGERALD AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: RIALTO, CA 923768621
Owner Name: L2 PAVEMENT INC.
Owner Address: 1450 N FITZGERALD AVE
Owner Address 2: Not reported
Owner City,State,Zip: RIALTO, CA 923768621
Contact Name: SEAN CAESAR
Contact Address: 1450 N FITZGERALD AVE
Contact Address 2: Not reported
City,State,Zip: RIALTO, CA 923768621

H47 **SCI PAVEMENT SERVICES LP** **San Bern. Co. Permit** **S104770738**
NW **1450 N FITZGERALD AVE** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.164 mi.
864 ft. **Site 3 of 4 in cluster H**

Relative:
Higher

Actual:
1406 ft.

San Bern. Co. Permit:
Name: SCI PAVEMENT SERVICES LP
Address: 1450 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0013122
Owner: SCI PAVEMENT SERVICES LP

SCI PAVEMENT SERVICES LP (Continued) **S104770738**

Permit Number: PT0023076
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 04/30/2012

Name: SCI PAVEMENT SERVICES LP
Address: 1450 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0013122
Owner: SCI PAVEMENT SERVICES LP
Permit Number: PT0023078
Permit Category: HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 04/30/2012

Name: SCI PAVEMENT SERVICES LP
Address: 1450 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0013122
Owner: SCI PAVEMENT SERVICES LP
Permit Number: PT0023077
Permit Category: HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 04/30/2012

Name: SUDHAKAR COMPANY INC
Address: 1450 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0006496
Owner: SUDHAKAR, ASH
Permit Number: PT0022436
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 07/31/2010

Name: SUDHAKAR COMPANY INC
Address: 1450 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0006496
Owner: SUDHAKAR, ASH
Permit Number: PT0009392
Permit Category: HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 07/31/2010

Name: SUDHAKAR COMPANY INC
Address: 1450 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0006496
Owner: SUDHAKAR, ASH
Permit Number: PT0009391
Permit Category: HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)

SCI PAVEMENT SERVICES LP (Continued) **S104770738**

Facility Status: INACTIVE
Expiration Date: 07/31/2010

H48 **VALLEY POWER SYSTEMS INC** **RCRA NonGen / NLR** **1026492566**
NW **1450 N FITZGERALD AVE** **CAL000457358**
1/8-1/4 **RIALTO, CA 92376**
0.164 mi.
864 ft. **Site 4 of 4 in cluster H**

Relative: **Higher**

Actual: **1406 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-10-06 00:00:00.0
Handler Name:	VALLEY POWER SYSTEMS INC
Handler Address:	1450 N FITZGERALD AVE
Handler City,State,Zip:	RIALTO, CA 92376
EPA ID:	CAL000457358
Contact Name:	JIM PRICE
Contact Address:	425 S. HACIENDA BLVD
Contact City,State,Zip:	INDUSTRY, CA 91752
Contact Telephone:	626-333-1243
Contact Fax:	626-369-7096
Contact Email:	JIM.PRICE@VALLEYPSI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1450 N FITZGERALD AVE
Mailing City,State,Zip:	RIALTO, CA 92376
Owner Name:	H CLARK LEE
Owner Type:	Other
Operator Name:	JIM PRICE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No

VALLEY POWER SYSTEMS INC (Continued) **1026492566**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-10-08 18:50:37.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	H CLARK LEE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	425 S. HACIENDA BLVD
Owner/Operator City,State,Zip:	INDUSTRY, CA 91752
Owner/Operator Telephone:	626-333-1243
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JIM PRICE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	425 S. HACIENDA BLVD
Owner/Operator City,State,Zip:	INDUSTRY, CA 91752
Owner/Operator Telephone:	626-333-1243

VALLEY POWER SYSTEMS INC (Continued) **1026492566**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-10-06 00:00:00.0
Handler Name: VALLEY POWER SYSTEMS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 453998
NAICS Description: ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT TOBACCO STORES)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

49
SE
1/8-1/4
0.175 mi.
922 ft.

WEST SAN BERNARDINO COUNTY WATER DISTRICT **LUST** **S106387359**
855 BASELINE WEST **Cortese** **N/A**
RIALTO, CA 92377 **CERS**

Relative:
Lower

Actual:
1361 ft.

LUST:
Name: WEST SAN BERNARDINO COUNTY WATER DISTRICT
Address: 855 BASELINE WEST
City,State,Zip: RIALTO, CA 92377
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607185912
Global Id: T0607185912
Latitude: 34.1212848
Longitude: -117.4055862
Status: Completed - Case Closed
Status Date: 08/20/2003
Case Worker: Not reported
RB Case Number: 083603976T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 2003012
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: Not reported

WEST SAN BERNARDINO COUNTY WATER DISTRICT (Continued) **S106387359**

LUST:
Global Id: T0607185912
Contact Type: Regional Board Caseworker
Contact Name: Ken Williams
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: ken.williams@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607185912
Action Type: Other
Date: 03/12/2003
Action: Leak Discovery

Global Id: T0607185912
Action Type: Other
Date: 03/12/2003
Action: Leak Stopped

Global Id: T0607185912
Action Type: Other
Date: 03/20/2003
Action: Leak Reported

Global Id: T0607185912
Action Type: ENFORCEMENT
Date: 08/20/2003
Action: Closure/No Further Action Letter

Global Id: T0607185912
Action Type: REMEDIATION
Date: 10/15/2003
Action: Not reported

LUST:
Global Id: T0607185912
Status: Open - Case Begin Date
Status Date: 03/12/2003

Global Id: T0607185912
Status: Open - Site Assessment
Status Date: 03/26/2003

Global Id: T0607185912
Status: Completed - Case Closed
Status Date: 08/20/2003

LUST REG 8:
Name: WEST SAN BERNARDINO COUNTY WATER DISTRICT
Address: 855 BASELINE WEST
City: RIALTO
Region: 8

WEST SAN BERNARDINO COUNTY WATER DISTRICT (Continued) **S106387359**

County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083603976T
Local Case Num:	2003012
Case Type:	Soil only
Substance:	8006619, MTB
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	CACTUS
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607185912
How Stopped Date:	3/12/2003
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	3/12/2003
Enforcement Date:	Not reported
Close Date:	8/20/2003
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	3/26/2003
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	1.2
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	Not reported
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	A2
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

WEST SAN BERNARDINO COUNTY WATER DISTRICT (Continued) **S106387359**

CORTESE:

Name:	WEST SAN BERNARDINO COUNTY WATER DISTRICT
Address:	855 BASELINE WEST
City,State,Zip:	RIALTO, CA 92377
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607185912
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	WEST SAN BERNARDINO COUNTY WATER DISTRICT
Address:	855 BASELINE WEST
City,State,Zip:	RIALTO, CA 92377
Site ID:	187529
CERS ID:	T0607185912
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Ken Williams - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

G50 **RIALTO ANIMAL HOSPITAL INC** **RCRA NonGen / NLR** **1024812669**
NNW **1480 N AYALA DR** **CAL000300809**
1/8-1/4 **RIALTO, CA 92376**
0.175 mi.
925 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
1410 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2005-11-28 00:00:00.0
Handler Name:	RIALTO ANIMAL HOSPITAL INC
Handler Address:	1480 N AYALA DR
Handler City,State,Zip:	RIALTO, CA 92376-3143

RIALTO ANIMAL HOSPITAL INC (Continued) **1024812669**

EPA ID:	CAL000300809
Contact Name:	LISA NORKUNAS
Contact Address:	1480 N AYALA DR
Contact City,State,Zip:	RIALTO, CA 92376
Contact Telephone:	909-875-6161
Contact Fax:	909-875-3825
Contact Email:	RIALTOANIMALHOSPITAL@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1480 N AYALA DR
Mailing City,State,Zip:	RIALTO, CA 92376-3143
Owner Name:	LISA NORKUNAS
Owner Type:	Other
Operator Name:	LISA NORKUNAS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

RIALTO ANIMAL HOSPITAL INC (Continued) **1024812669**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:27:47.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LISA NORKUNAS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1480 N AYALA DR
Owner/Operator City,State,Zip:	RIALTO, CA 92376-3143
Owner/Operator Telephone:	909-875-6161
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LISA NORKUNAS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1480 N AYALA DR
Owner/Operator City,State,Zip:	RIALTO, CA 92376
Owner/Operator Telephone:	909-875-6161
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2005-11-28 00:00:00.0
Handler Name:	RIALTO ANIMAL HOSPITAL INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

RIALTO ANIMAL HOSPITAL INC (Continued) **1024812669**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 54194
NAICS Description: VETERINARY SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

51 WNW 1/8-1/4 0.182 mi. 961 ft. **MEDLINE INDUSTRIES C09**
1960 MIRO WAY
RIALTO, CA 92376

CERS HAZ WASTE
CERS TANKS
San Bern. Co. Permit
CERS

S122218685
N/A

Relative: Higher
Actual: 1396 ft.

CERS HAZ WASTE:
Name: MEDLINE INDUSTRIES C09
Address: 1960 MIRO WAY
City,State,Zip: RIALTO, CA 92376
Site ID: 433957
CERS ID: 10739116
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: MEDLINE INDUSTRIES C09
Address: 1960 MIRO WAY
City,State,Zip: RIALTO, CA 92376
Site ID: 433957
CERS ID: 10739116
CERS Description: Aboveground Petroleum Storage

San Bern. Co. Permit:
Name: MEDLINE INDUSTRIES C09
Address: 1960 MIRO WAY
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0017759
Owner: Medline Industries
Permit Number: PT0038684
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 05/31/2021

Name: MEDLINE INDUSTRIES C09
Address: 1960 MIRO WAY
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO

MEDLINE INDUSTRIES C09 (Continued) **S122218685**

Facility ID: FA0017759
Owner: Medline Industries
Permit Number: PT0038453
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2021

Name: MEDLINE INDUSTRIES C09
Address: 1960 MIRO WAY
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0017759
Owner: Medline Industries
Permit Number: PT0038880
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2021

CERS:
Name: MEDLINE INDUSTRIES C09
Address: 1960 MIRO WAY
City,State,Zip: RIALTO, CA 92376
Site ID: 433957
CERS ID: 10739116
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 433957
Site Name: Medline Industries C09
Violation Date: 07-16-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and tests, including integrity tests, signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and tests, including integrity tests, for at least three years. 3. Keep comparison records.
Violation Notes: Returned to compliance on 07/30/2020. OBSERVATION: Written documentation of tank inspections were not available for review. CORRECTIVE ACTION: Submit most recent copy of tank inspection log or submit a signed statement indicating that monthly visual inspections of the diesel ASTs are being conducted and documented as described in the SPCC plan.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 433957
Site Name: Medline Industries C09
Violation Date: 07-16-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.
Violation Notes: Returned to compliance on 07/30/2020. OBSERVATION: Written documentation of annual SPCC Plan briefings was not available for

MEDLINE INDUSTRIES C09 (Continued) **S122218685**

review. CORRECTIVE ACTION: Conduct annual briefings for personnel responsible for implementing SPCC plan in the case of a spill or release. Submit a signed statement indicating that annual plan briefings have been and will continue to be conducted.

Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Environmental Contact
Entity Name: RAFAEL JIMENEZ
Entity Title: Not reported
Affiliation Address: 1960 W. Miro Way
Affiliation City: Rialto
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92376
Affiliation Phone: Not reported

MEDLINE INDUSTRIES C09 (Continued) **S122218685**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1960 Miro Way
Affiliation City:	Rialto
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92376
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Medline Industries - C09
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 429-4734

Affiliation Type Desc:	Legal Owner
Entity Name:	Medline Industries
Entity Title:	Not reported
Affiliation Address:	3 Lakes Drive
Affiliation City:	Northfield
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60093
Affiliation Phone:	(909) 429-4734

Affiliation Type Desc:	Property Owner
Entity Name:	Medline Industries
Entity Title:	Not reported
Affiliation Address:	3 Lakes Drive
Affiliation City:	Northfield
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60093
Affiliation Phone:	(909) 429-4734

Affiliation Type Desc:	Document Preparer
Entity Name:	Rebecca Brown
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Rebecca Brown
Entity Title:	EHS Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

MEDLINE INDUSTRIES C09 (Continued) **S122218685**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Medline Industries C09
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

52
NW
1/8-1/4
0.213 mi.
1124 ft.

KLAERS AVIATION
1462 N FITZGERALD AVE
RIALTO, CA 92376

San Bern. Co. Permit **S108225350**
N/A

Relative:
Higher

Actual:
1413 ft.

San Bern. Co. Permit:
Name: KLAERS AVIATION
Address: 1462 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0004268
Owner: KLAERS AVIATION
Permit Number: PT0007877
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2008

Name: KLAERS AVIATION
Address: 1462 N FITZGERALD AVE
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0004268
Owner: KLAERS AVIATION
Permit Number: PT0007876
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 05/31/2008

I53
WSW
1/8-1/4
0.222 mi.
1171 ft.

7-ELEVEN # 33442
1276 W BASE LINE RD
RIALTO, CA 92376

Site 1 of 3 in cluster I

CERS HAZ WASTE **S113134232**
CERS TANKS **N/A**
HAZNET
San Bern. Co. Permit
CERS
HWTS

Relative:
Higher

Actual:
1382 ft.

CERS HAZ WASTE:
Name: 7-ELEVEN INC #33442
Address: 1276 W BASE LINE RD
City,State,Zip: RIALTO, CA 92376
Site ID: 87574
CERS ID: 10049536

7-ELEVEN # 33442 (Continued) **S113134232**

CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: 7-ELEVEN INC #33442
Address: 1276 W BASE LINE RD
City,State,Zip: RIALTO, CA 92376
Site ID: 87574
CERS ID: 10049536
CERS Description: Underground Storage Tank

HAZNET:
Name: 7-ELEVEN # 33442
Address: 1276 W BASE LINE RD
Address 2: Not reported
City,State,Zip: RIALTO, CA 75221
Contact: JOSE RIOS
Telephone: 9728286592
Mailing Name: Not reported
Mailing Address: PO BOX 711

Year: 2019
Gepaid: CAL000287111
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.08820

Year: 2018
Gepaid: CAL000287111
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.06300

Year: 2017
Gepaid: CAL000287111
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.02

Year: 2017
Gepaid: CAL000287111
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.231

Year: 2016

7-ELEVEN # 33442 (Continued) **S113134232**

Gepaid:	CAL000287111
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.055
Year:	2016
Gepaid:	CAL000287111
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.042
Year:	2015
Gepaid:	CAL000287111
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0375
Year:	2015
Gepaid:	CAL000287111
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0378
Year:	2014
Gepaid:	CAL000287111
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05
Year:	2014
Gepaid:	CAL000287111
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0882

Click this hyperlink while viewing on your computer to access
15 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2016
Gen EPA ID:	CAL000287111

7-ELEVEN # 33442 (Continued) **S113134232**

Shipment Date:	20150825
Creation Date:	2/5/2016 22:15:23
Receipt Date:	20150902
Manifest ID:	008699718FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150825
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150827
Manifest ID:	008699820FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150528
Creation Date:	8/18/2015 22:15:22
Receipt Date:	20150604
Manifest ID:	007647671FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0042
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150331
Creation Date:	6/24/2015 22:15:49
Receipt Date:	20150402
Manifest ID:	007645350FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000287111

Shipment Date:	20130620
Creation Date:	10/25/2013 22:15:23
Receipt Date:	20130626
Manifest ID:	005750821FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS

7-ELEVEN # 33442 (Continued) **S113134232**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130419
Creation Date:	7/17/2013 22:15:05
Receipt Date:	20130430
Manifest ID:	005785874FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0084
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130219
Creation Date:	4/29/2013 22:15:06
Receipt Date:	20130226
Manifest ID:	005783990FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084

7-ELEVEN # 33442 (Continued) **S113134232**

Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000287111
Shipment Date:	20100603
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100617
Manifest ID:	002133683FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000287111
Shipment Date:	20081110
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081114
Manifest ID:	002156911FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

7-ELEVEN # 33442 (Continued) **S113134232**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080909
Creation Date:	1/28/2009 18:30:18
Receipt Date:	20080912
Manifest ID:	002154362FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080422
Creation Date:	8/29/2008 18:30:17
Receipt Date:	20080425
Manifest ID:	000822613FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000287111
Shipment Date:	20141211
Creation Date:	3/6/2015 22:15:05
Receipt Date:	20141217
Manifest ID:	007640480FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140602
Creation Date:	11/3/2014 22:14:40
Receipt Date:	20140604
Manifest ID:	007614859FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Shipment Date:	20140602
Creation Date:	8/14/2014 22:15:24
Receipt Date:	20140605
Manifest ID:	005785751FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0084
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140424
Creation Date:	7/10/2014 22:15:07
Receipt Date:	20140501
Manifest ID:	005785761FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140213
Creation Date:	5/1/2014 22:14:57
Receipt Date:	20140220
Manifest ID:	005767635FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0042
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140107
Creation Date:	3/7/2014 22:15:07
Receipt Date:	20140109
Manifest ID:	005769852FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000287111

Shipment Date:	20111104
Creation Date:	4/12/2012 20:30:13
Receipt Date:	20111110
Manifest ID:	004630801FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS

7-ELEVEN # 33442 (Continued) **S113134232**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110520
Creation Date:	7/23/2011 18:30:32
Receipt Date:	20110527
Manifest ID:	002120704FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO & SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110520
Creation Date:	11/12/2011 18:30:22
Receipt Date:	20110601
Manifest ID:	004233674FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125

7-ELEVEN # 33442 (Continued) **S113134232**

Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110103
Creation Date:	3/30/2011 18:30:29
Receipt Date:	20110105
Manifest ID:	002143931FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000287111
Shipment Date:	20150825
Creation Date:	2/5/2016 22:15:23
Receipt Date:	20150902
Manifest ID:	008699718FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150825
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150827
Manifest ID:	008699820FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150528
Creation Date:	8/18/2015 22:15:22
Receipt Date:	20150604
Manifest ID:	007647671FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0042
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150331
Creation Date:	6/24/2015 22:15:49

7-ELEVEN # 33442 (Continued) **S113134232**

Receipt Date:	20150402
Manifest ID:	007645350FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000287111
Shipment Date:	20071231
Creation Date:	3/11/2008 18:30:10
Receipt Date:	20080107
Manifest ID:	000811410FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO&SONS
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.105
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070918
Creation Date:	3/18/2008 18:30:19
Receipt Date:	20070921
Manifest ID:	000781505FLE
Trans EPA ID:	CAR000165175

7-ELEVEN # 33442 (Continued) **S113134232**

Trans Name:	BELSHIRE ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070629
Creation Date:	11/3/2007 18:30:58
Receipt Date:	20070705
Manifest ID:	000784724FLE
Trans EPA ID:	CAR000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0304
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070403
Creation Date:	12/10/2007 18:30:29
Receipt Date:	20070406
Manifest ID:	000768082FLE
Trans EPA ID:	CAR000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000287111
Shipment Date:	20171005
Creation Date:	6/13/2018 18:31:10
Receipt Date:	20171012
Manifest ID:	010665519FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170706
Creation Date:	7/12/2018 18:30:29
Receipt Date:	20170712
Manifest ID:	009695123FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

7-ELEVEN # 33442 (Continued) **S113134232**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170309
Creation Date:	5/24/2017 18:30:56
Receipt Date:	20170316
Manifest ID:	009686895FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170201
Creation Date:	5/18/2017 18:32:03
Receipt Date:	20170208
Manifest ID:	009685651FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0504
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170201
Creation Date:	5/18/2017 18:32:03
Receipt Date:	20170208
Manifest ID:	009685661FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170104
Creation Date:	3/27/2017 18:30:14
Receipt Date:	20170105
Manifest ID:	009684991FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000287111

7-ELEVEN # 33442 (Continued) **S113134232**

Shipment Date:	20091214
Creation Date:	3/5/2010 18:31:15
Receipt Date:	20091218
Manifest ID:	002121924FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090617
Creation Date:	10/20/2009 18:30:23
Receipt Date:	20090626
Manifest ID:	002122752FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090105
Creation Date:	3/9/2009 18:30:54
Receipt Date:	20090109
Manifest ID:	002152802FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116

7-ELEVEN # 33442 (Continued) **S113134232**

Trans 2 Name:	NIETO & SONS TRUCKING
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.147
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000287111
Shipment Date:	20120620
Creation Date:	5/29/2013 22:15:15
Receipt Date:	20120628
Manifest ID:	004664367FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120213
Creation Date:	4/20/2012 20:30:22
Receipt Date:	20120217
Manifest ID:	004661535FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON

7-ELEVEN # 33442 (Continued) **S113134232**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000287111
Shipment Date:	20060705
Creation Date:	9/13/2006 18:31:19
Receipt Date:	20060717
Manifest ID:	25171304
Trans EPA ID:	CAR000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000287111
Shipment Date:	20051018
Creation Date:	5/24/2006 18:32:16
Receipt Date:	20051102
Manifest ID:	24746985
Trans EPA ID:	CAR000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	ASBURY ENVIRONMENTAL
TSDF EPA ID:	NVT330010000

7-ELEVEN # 33442 (Continued) **S113134232**

Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	7-ELEVEN INC #33442
Address:	1276 W BASE LINE RD
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0009051
Owner:	7-ELEVEN INC
Permit Number:	PT0016328
Permit Category:	HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status:	ACTIVE
Expiration Date:	03/31/2021

Name:	7-ELEVEN INC #33442
Address:	1276 W BASE LINE RD
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0009051
Owner:	7-ELEVEN INC
Permit Number:	PT0025221
Permit Category:	WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status:	ACTIVE
Expiration Date:	03/31/2021

Name:	7-ELEVEN INC #33442
Address:	1276 W BASE LINE RD
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0009051
Owner:	7-ELEVEN INC
Permit Number:	PT0016330
Permit Category:	COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	03/31/2021

Name:	7-ELEVEN INC #33442
Address:	1276 W BASE LINE RD
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0009051
Owner:	7-ELEVEN INC
Permit Number:	PT0016329
Permit Category:	COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)

7-ELEVEN # 33442 (Continued) **S113134232**

Facility Status: ACTIVE
Expiration Date: 03/31/2021

CERS:
Name: 7-ELEVEN INC #33442
Address: 1276 W BASE LINE RD
City,State,Zip: RIALTO, CA 92376
Site ID: 87574
CERS ID: 10049536
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-16-2014
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to install line leak detector on pressurized piping system.
Violation Notes: Returned to compliance on 01/16/2014. 91 MECHANCIAL LINE LEAK DETECTOR FAILED 3 GALLON PER HOUR SIMULATED LEAK RATE AT 10 PSI TEST. THE FAILED DETECTOR WAS REPLACED "LIKE FOR LIKE" AND PASSED UPON RETEST.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-16-2014
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 01/16/2014. VR208 SENSOR INSIDE THE 87 FILL SUMP FAILED WHEN TESTED. THE FAILED SENSOR WAS REPLACED "LIKE FOR LIKE" AND PASSED UPON RETEST.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-13-2020
Citation: HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description: Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes: Returned to compliance on 02/05/2020. FUEL LEAK ABOVE THE 91 SHEAR VALVE WAS OBSERVED INSIDE UDC #1/2. IMMEDIATELY REPAIR CAUSE OF OBSERVED FUEL LEAK AND SUBMIT DOCUMENTATION OF REPAIR TO THIS DEPARTMENT WITHIN 30 DAYS. NOTE: CONTACT THIS DEPARTMENT PRIOR TO ANY REPAIRS REQUIRING PERMITS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-16-2014

7-ELEVEN # 33442 (Continued) **S113134232**

Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/12/2014. EVIDENCE OF FINANCIAL RESPONSIBLITY FOR UST SYSTEM SUBMITTED ON CERS EXPIRED 12/18/2013. OBTAIN CURRENT EVIDENCE OF FINANCIAL RESPONSIBILITY FOR UST SYSTEM AND SUBMIT TO THIS DEPARTMENT ON LINE INTO CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-09-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/17/2018. OBSERVED EXPIRED CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR) ON CERS WEBSITE. CFR EXPIRED ON 12/18/17. COMPLIANCE REQUIREMENT: IMMEDIATELY UPDATE CERS TO REFLECT CURRENT CFR. ENSURE CFR IS MAINTAINED CURRENT. THIS VIOLATION IS RECALCITRANT. SUBMIT SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS. 1/17/18 VIOLATION WAS CORRECTED.CERS UPDATED. PSAAVEDRA
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-10-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/08/2019. OBSERVATION: Expired Certificate of Financial Responsibility letter. CORRECTIVE ACTION: Update and resubmit current CFR letter via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-09-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/09/2017. OBSERVED EXPIRED CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR) IN CERS SUBMITTAL. COMPLIANCE REQUIREMENT: UPDATE CERS TO REFLECT CURRENT CFR. SUBMIT SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

7-ELEVEN # 33442 (Continued) **S113134232**

Site ID:	87574
Site Name:	7-ELEVEN INC #33442
Violation Date:	01-09-2017
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.
Violation Notes:	Returned to compliance on 01/09/2017. OBSERVED SMART SENSORS AT 91 UST NOT PROGRAMMED FOR NO VACUUM AT MONITORING PANEL. COMPLIANCE REQUIREMENT: SENSORS WERE PROGRAMMED FOR NO VAC AND RETESTED BY TECHNICIAN. BALL VALVES AT SMART SENSORS WERE OBSERVED LEAKING WHEN TESTED. PASSED, VIOLATION CORRECTED. TECHNICIAN TO REPLACE BALL VALVES.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	87574
Site Name:	7-ELEVEN INC #33442
Violation Date:	01-13-2016
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 03/01/2016. THE S4 VACUUM SENSOR (87 FILL & STP SUMPS) FAILED TO CLEAR THE HIGH LIQUID ALARM FOLLOWING TESTING. MULTIPLE EFFORTS WERE MADE TO DETERMINE SOURCE OF FAILURE WITHOUT SUCCESS DURING THE INSPECTION. THE TURBINES WILL NOT AUTHORIZE (EVEN AFTER "X-ING" OUT THE SENSOR FROM PROGRAMMING). THE SENSOR WAS REPLACED WITH LIKE-FOR-LIKE EQUIPMENT AND THE FAILURE CONTINUED. THE TECHNICIANS CONTINUED TO TROUBLESHOOT AT THE TIME THIS REPORT WAS WRITTEN. REQUIREMENT: IMMEDIATELY DETERMINE FAILURE AND RETURN PROGRAMMING TO NORMAL OPERATING STATUS. RE-SCHEDULE A WITNESSED RETEST FOR THE S4 SENSOR AND FOR THE TWO LEAK DETECTORS (NOT TESTED DURING INSPECTION) WITH THIS DEPARTMENT WITHIN 15 DAYS. NOTE: THE ANNIVERSARY DATE FOR TESTING IS 1/15. THE FACILITY WILL BE IN VIOLATION FOR FAILING TO ANNUALLY CERTIFY UNLESS DOCUMENTATION OF REPAIR/RETEST IS RECEIVED BY JANUARY 15, 2016. SUBMIT RESULTS TO JKOOYMAN@SBCFIRE.ORG. A WITNESSED RETEST WILL STILL BE REQUIRED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	87574
Site Name:	7-ELEVEN INC #33442
Violation Date:	01-15-2015
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes:	Returned to compliance on 01/15/2015. OBSERVATION: THE LIQUID SENSOR(VR 208) LOCATED IN THE 87 TURBINE SUMP FAILED WHEN TESTED. COMPLIANCE MET ON SITE: TECHNICIAN REPLACED WITH LIKE AND RE-TESTED NEW SENSOR- PASSED
Violation Division:	San Bernardino County Fire Department

7-ELEVEN # 33442 (Continued) **S113134232**

Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-15-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 01/15/2015. OBSERVATION: LIQUID WAS OBSERVED IN THE 91-TURBINE SUMP. COMPLIANCE MET ON SITE: TECHNICIAN REMOVED LIQUID FROM SUMP.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Violation Date: 01-09-2018
Citation: 23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description: Failure to submit a current UST Response Plan available on site.
Violation Notes: Returned to compliance on 01/17/2018. OBSERVED UST SITE MAP MISSING SENSOR LOCATIONS. COMPLIANCE REQUIREMENT: UPDATE SITE MAP ON CERS WEBSITE TO REFLECT CORRECT LOCATIONS OF SENSORS, INCLUDING VENT BOX. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS. 1/17/18 VIOLATION CORRECTED. ADVISED TO ADD VENT BOX AND TYPE OF SENSOR LOCATED IN VENT BOX. PSAAVEDRA
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 7-ELEVEN- UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2015
Violations Found: No
Eval Type: Routine done by local agency

7-ELEVEN # 33442 (Continued) **S113134232**

Eval Notes:	7-ELEVEN- UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	7-ELEVEN- UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZ MAT UST INSPECTION CONDUCTED IN CONJUNCTION WITH THE UST ANNUAL INSPECTION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-16-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST FIELD INSPECTION- ON-SITE TO WITNESS RETEST OF FAILED VPH COMPONENTS. MAINTENANCE (JOE RHODES) WAS ALSO ON-SITE TO REPAIR AN ADDITIONAL VACUUM LOSS ISSUE THAT WAS NOT DISCOVERED DURING THE ANNUAL TESTING. THE RE-TEST OF MLLD'S WAS NOT WITNESSED DUE TO ANOTHER INSPECTION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-07-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZMAT AND HAZ WASTE INSPECTIONS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-07-2020

7-ELEVEN # 33442 (Continued) **S113134232**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZMAT AND HAZ WASTE INSPECTIONS - Refer to PR0014801 Narrative.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZMAT HANDLER UST ONLY
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION AND CERS REVIEW
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZMAT HANDLER UST ONLY INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION AND CERS REVIEW.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	OVERFILL PREVENTION EQUIPMENT TESTING
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST HANDLER INSPECTION AND CERS REVIEW
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST FIELD INSPECTION-ANNUAL MONITORING SYSTEM CERTIFICATION (VPH SYSTEM/2 TANKS) W/JEFFREY CRISOSTOMO. INSPECTION DELAYED DUE TO FAILURES FOUND FOLLOWING TESTING OF VACUUM SYSTEM; RESULTED IN INCOMPLETE INSPECTION. A RETEST WILL BE REQUIRED FOLLOWING REPAIRS
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS HANDLER INSPECTION - UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Site Address: 1276 W BASE LINE RD
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 01-09-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Site Address: 1276 W BASE LINE RD
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 01-13-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Site Address: 1276 W BASE LINE RD
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 01-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 87574
Site Name: 7-ELEVEN INC #33442
Site Address: 1276 W BASE LINE RD
Site City: RIALTO
Site Zip: 92376
Enf Action Date: 01-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Coordinates:
Site ID: 87574
Facility Name: 7-ELEVEN INC #33442
Env Int Type Code: HWG
Program ID: 10049536
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.121822
Longitude: -117.396156

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: STEPHEN BOYD
Entity Title: REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported

7-ELEVEN # 33442 (Continued) **S113134232**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 771-5484
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Document Preparer
Entity Name:	Stantec Consulting Services Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	STEPHEN BOYD
Entity Title:	REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	JAMIL HERSHEWE
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75221
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75221
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	TARLOCHAN S. RANGI & RUBY JEAN REGINA (T.R.A., INC.)

7-ELEVEN # 33442 (Continued) **S113134232**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 820-6927
Affiliation Type Desc:	UST Tank Operator
Entity Name:	7-ELEVEN INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75221
Affiliation Phone:	(800) 828-0711
Affiliation Type Desc:	Legal Owner
Entity Name:	7-ELEVEN INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75221
Affiliation Phone:	(800) 828-0711
Affiliation Type Desc:	Property Owner
Entity Name:	HENRY KLEIN
Entity Title:	Not reported
Affiliation Address:	1454 9TH AVE
Affiliation City:	SAN FRANCISCO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94122
Affiliation Phone:	(800) 828-0711
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	HENRY KLEIN
Entity Title:	Not reported
Affiliation Address:	1454 9TH AVE
Affiliation City:	SAN FRANCISCO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94122
Affiliation Phone:	(800) 828-0711
Affiliation Type Desc:	UST Tank Owner
Entity Name:	7-ELEVEN INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75221
Affiliation Phone:	(800) 828-0711

7-ELEVEN # 33442 (Continued) **S113134232**

HWTS:

Name:	7-ELEVEN # 33442
Address:	1276 W BASE LINE RD
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923768605
EPA ID:	CAL000287111
Inactive Date:	Not reported
Create Date:	10/12/2004
Last Act Date:	07/22/2020
Mailing Name:	Not reported
Mailing Address:	PO BOX 711
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DALLAS, TX 75221
Owner Name:	7-ELEVEN INC.
Owner Address:	PO BOX 711
Owner Address 2:	Not reported
Owner City,State,Zip:	DALLAS, TX 75221
Contact Name:	JOSE RIOS
Contact Address:	1722 ROUTH STREET
Contact Address 2:	SUITE 1000
City,State,Zip:	DALLAS, TX 75201

NAICS:

EPA ID:	CAL000287111
Create Date:	2004-10-12 15:17:42.003
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2004-10-12 15:17:41.94000
Inactive Date:	Not reported
Facility Name:	7-ELEVEN # 33442
Facility Address:	1276 W BASE LINE RD
Facility Address 2:	Not reported
Facility City:	RIALTO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923768605

I54 **7-ELEVEN # 33442** **RCRA NonGen / NLR** **1024809900**
WSW **1276 W BASE LINE RD** **CAL000287111**
1/8-1/4 **RIALTO, CA 92376**
0.222 mi.
1171 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
1382 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2004-10-12 00:00:00.0
Handler Name:	7-ELEVEN # 33442	
Handler Address:		1276 W BASE LINE RD
Handler City,State,Zip:		RIALTO, CA 92376-8605
EPA ID:		CAL000287111
Contact Name:		JOSE RIOS
Contact Address:		1722 ROUTH STREET
Contact City,State,Zip:		DALLAS, TX 75201
Contact Telephone:		972-828-6592
Contact Fax:		972-828-1095
Contact Email:		JOSE.RIOS@7-11.COM
Contact Title:		Not reported
EPA Region:		09

7-ELEVEN # 33442 (Continued) **1024809900**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 711
Mailing City,State,Zip:	DALLAS, TX 75221
Owner Name:	7-ELEVEN INC.
Owner Type:	Other
Operator Name:	JOSE RIOS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

7-ELEVEN # 33442 (Continued) **1024809900**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:26:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	7-ELEVEN INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 711
Owner/Operator City,State,Zip:	DALLAS, TX 75221
Owner/Operator Telephone:	714-771-5484
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOSE RIOS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1722 ROUTH STREET
Owner/Operator City,State,Zip:	DALLAS, TX 75201
Owner/Operator Telephone:	972-828-6592
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2004-10-12 00:00:00.0
Handler Name: 7-ELEVEN # 33442	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

7-ELEVEN # 33442 (Continued) **1024809900**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I55 7-ELEVEN INC #33442 **UST** **U004264054**
WSW 1276 W BASE LINE RD **N/A**
1/8-1/4 RIALTO, CA 92376
0.222 mi.
1171 ft. **Site 3 of 3 in cluster I**

Relative: UST:
Higher
Name: 7-ELEVEN INC #33442
Actual: Address: 1276 W BASE LINE RD
1382 ft. City,State,Zip: RIALTO, CA 92376
Facility ID: FA0009051
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.121826
Longitude: -117.396164

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56 CITY OF RIALTO/FIRE STATION 203 **RCRA NonGen / NLR** **1024812760**
NNW 1550 N AYALA DR **CAL000301212**
1/8-1/4 RIALTO, CA 92376
0.225 mi.
1186 ft.

Relative: RCRA NonGen / NLR:
Higher
Date Form Received by Agency: 2005-12-07 00:00:00.0
Actual: Handler Name: CITY OF RIALTO/FIRE STATION 203
1413 ft. Handler Address: 1550 N AYALA DR
Handler City,State,Zip: RIALTO, CA 92376-8632
EPA ID: CAL000301212
Contact Name: MIKE ORONA
Contact Address: 131 S WILLOW AVE
Contact City,State,Zip: RIALTO, CA 92376-6406
Contact Telephone: 909-820-2605
Contact Fax: 909-820-2547
Contact Email: MORONA@RIALTOCA.GOV
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 131 S WILLOW AVE
Mailing City,State,Zip: RIALTO, CA 92376-6406
Owner Name: CITY OF RILATO
Owner Type: Other
Operator Name: MIKE ORONA

CITY OF RIALTO/FIRE STATION 203 (Continued) **1024812760**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:27:49.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CITY OF RIALTO/FIRE STATION 203 (Continued) **1024812760**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIKE ORONA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	131 S WILLOW AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92376-6406
Owner/Operator Telephone:	909-820-2605
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF RILATO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 S PALM AVE
Owner/Operator City,State,Zip:	RIALTO, CA 92376-6406
Owner/Operator Telephone:	909-820-2605
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2005-12-07 00:00:00.0
Handler Name:	CITY OF RIALTO/FIRE STATION 203
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92216
NAICS Description:	FIRE PROTECTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J57 **WEST COAST STORM INC** **San Bern. Co. Permit** **S111258439**
NNW **1188 LEISKE DR** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.238 mi.
1255 ft. **Site 1 of 2 in cluster J**

Relative: **Higher**

Actual: **1415 ft.**

San Bern. Co. Permit:

Name:	WEST COAST STORM INC
Address:	1188 LEISKE DR
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014032
Owner:	PADILLA, RALPH
Permit Number:	PT0024652
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	10/31/2012

Name:	WEST COAST STORM INC
Address:	1188 LEISKE DR
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0014032
Owner:	PADILLA, RALPH
Permit Number:	PT0024651
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	10/31/2012

J58 **WEST COAST STORM INC** **RCRA NonGen / NLR** **1014915616**
NNW **1188 LEISKE DR** **HAZNET** **CAR000220558**
1/8-1/4 **RIALTO, CA 92376** **HWTS**
0.238 mi.
1255 ft. **Site 2 of 2 in cluster J**

Relative: **Higher**

Actual: **1415 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2011-07-06 00:00:00.0
Handler Name:	WEST COAST STORM INC	
Handler Address:		1188 LEISKE DR
Handler City,State,Zip:		RIALTO, CA 92376
EPA ID:		CAR000220558
Contact Name:		SARAH MOORE
Contact Address:		1188 LEISKE DR
Contact City,State,Zip:		RIALTO, CA 92376
Contact Telephone:		909-890-5700
Contact Fax:		Not reported
Contact Email:		SMOORE@WCSTORM.NET
Contact Title:		EXECUTIVE ASSISTANT
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1188 LEISKE DR
Mailing City,State,Zip:		RIALTO, CA 92376
Owner Name:		WEST COAST STORM INC

WEST COAST STORM INC (Continued) **1014915616**

Owner Type:	Private
Operator Name:	WEST COAST STORM INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2011-07-20 12:50:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

WEST COAST STORM INC (Continued) **1014915616**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: WEST COAST STORM INC
Legal Status: Private
Date Became Current: 2011-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WEST COAST STORM INC
Legal Status: Private
Date Became Current: 2011-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 1188 LEISKE DR
Owner/Operator City,State,Zip: RIALTO, CA 92376
Owner/Operator Telephone: 909-890-5700
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2011-07-06 00:00:00.0
Handler Name: WEST COAST STORM INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56179
NAICS Description: OTHER SERVICES TO BUILDINGS AND DWELLINGS

NAICS Code: 562111
NAICS Description: SOLID WASTE COLLECTION

NAICS Code: 562112
NAICS Description: HAZARDOUS WASTE COLLECTION

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

WEST COAST STORM INC (Continued) **1014915616**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: WEST COAST STORM INC
Address: 1188 LEISKE DR
Address 2: Not reported
City,State,Zip: RIALTO, CA 923760000
Contact: SARAH MOORE
Telephone: 9098905700
Mailing Name: Not reported
Mailing Address: 1188 LEISKE DR

Year: 2013
Gepaid: CAR000220558
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 8.428

Year: 2013
Gepaid: CAR000220558
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2012
Gepaid: CAR000220558
TSD EPA ID: CAD099452708
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.21

Year: 2012
Gepaid: CAR000220558
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.47

Year: 2011
Gepaid: CAR000220558
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.755

WEST COAST STORM INC (Continued) **1014915616**

Year:	2011
Gepaid:	CAR000220558
TSD EPA ID:	CAD099452708
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.21

Additional Info:

Year:	2013
Gen EPA ID:	CAR000220558
Shipment Date:	20130512
Creation Date:	10/8/2013 22:15:15
Receipt Date:	20130517
Manifest ID:	008725244JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130502
Creation Date:	7/9/2013 22:15:12
Receipt Date:	20130509
Manifest ID:	008725246JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y

WEST COAST STORM INC (Continued) **1014915616**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000220558
Shipment Date:	20120815
Creation Date:	9/27/2012 22:15:12
Receipt Date:	20120816
Manifest ID:	009521391JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120516
Creation Date:	7/16/2012 20:30:20
Receipt Date:	20120517
Manifest ID:	009516991JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

WEST COAST STORM INC (Continued) **1014915616**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120216
Creation Date:	4/10/2012 20:30:14
Receipt Date:	20120216
Manifest ID:	009516638JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120216
Creation Date:	4/10/2012 20:30:14
Receipt Date:	20120216
Manifest ID:	007140141JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAR000220558

WEST COAST STORM INC (Continued) **1014915616**

Shipment Date:	20111208
Creation Date:	3/13/2012 20:30:11
Receipt Date:	20111212
Manifest ID:	008764635JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111020
Creation Date:	12/20/2011 18:30:31
Receipt Date:	20111020
Manifest ID:	008764357JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110909
Creation Date:	11/8/2011 18:30:12
Receipt Date:	20110912
Manifest ID:	008764136JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported

WEST COAST STORM INC (Continued) **1014915616**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.513
Waste Quantity:	135
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110818
Creation Date:	10/19/2011 18:30:39
Receipt Date:	20110823
Manifest ID:	008764123JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.532
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110818
Creation Date:	10/19/2011 18:30:39
Receipt Date:	20110823
Manifest ID:	008764218JJK
Trans EPA ID:	CAL912823785
Trans Name:	BLACK STAR OIL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

WEST COAST STORM INC (Continued) **1014915616**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	WEST COAST STORM INC
Address:	1188 LEISKE DR
Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923760000
EPA ID:	CAR000220558
Inactive Date:	06/30/2013
Create Date:	07/28/2011
Last Act Date:	01/05/2015
Mailing Name:	Not reported
Mailing Address:	1188 LEISKE DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIALTO, CA 923760000
Owner Name:	WEST COAST STORM INC
Owner Address:	1188 LEISKE DR
Owner Address 2:	Not reported
Owner City,State,Zip:	RIALTO, CA 923760000
Contact Name:	SARAH MOORE
Contact Address:	1188 LEISKE DR
Contact Address 2:	Not reported
City,State,Zip:	RIALTO, CA 923760000

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59 **CITY RIALTO WELL #4** **San Bern. Co. Permit** **S106803195**
ESE **725 W BASELINE RD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.248 mi.
1310 ft.

Relative:
Lower

Actual:
1357 ft.

San Bern. Co. Permit:

Name:	CITY RIALTO WELL #4
Address:	725 W BASELINE RD
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0002079
Owner:	CITY OF RIALTO
Permit Number:	PT0016226
Permit Category:	EPCRA FACILITY
Facility Status:	INACTIVE
Expiration Date:	09/30/2007

Name:	CITY RIALTO WELL #4
Address:	725 W BASELINE RD
City,State,Zip:	RIALTO, CA 92376
Region:	SAN BERNARDINO
Facility ID:	FA0002079
Owner:	CITY OF RIALTO

CITY RIALTO WELL #4 (Continued) **S106803195**

Permit Number: PT0016227
Permit Category: RMP INSPECTION - PROGRAM 2
Facility Status: INACTIVE
Expiration Date: 09/30/2007

Name: CITY RIALTO WELL #4
Address: 725 W BASELINE RD
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0002079
Owner: CITY OF RIALTO
Permit Number: PT0006068
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 09/30/2007

Name: CITY RIALTO WELL #4
Address: 725 W BASELINE RD
City,State,Zip: RIALTO, CA 92376
Region: SAN BERNARDINO
Facility ID: FA0002079
Owner: CITY OF RIALTO
Permit Number: PT0006069
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE
Expiration Date: 09/30/2007

60
West
1/4-1/2
0.491 mi.
2595 ft.

RIALTO MUNICIPAL AIRPORT PROPERTY
1451 LINDEN AVENUE
RIALTO, CA 92376

CPS-SLIC **S110326758**
CERS **N/A**

Relative:
Higher

Actual:
1408 ft.

CPS-SLIC:

Name:	RIALTO MUNICIPAL AIRPORT PROPERTY
Address:	1451 LINDEN AVENUE
City,State,Zip:	RIALTO, CA 92376
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/07/2018
Global Id:	T10000002088
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	34.125691
Longitude:	-117.400998
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	2080086
File Location:	Regional Board
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Aviation, Diesel, Gasoline
Site History:	The Site covers 480.6 acres including and surrounding the RMA, located at 1451 North Linden Avenue, Rialto, California. The Site is generally bounded by State Highway 210 to the north, Miro Road and Baseline Road to the south, Laurel Avenue to the west, and Ayala Avenue and the flood control channel to the east. The Site was originally divided into four properties identified as Properties A,

RIALTO MUNICIPAL AIRPORT PROPERTY (Continued) **S110326758**

B, C and D. The Site is currently owned by the City of Rialto. The Site has been determined, through prior environmental assessments, to have soil impacted with Total Petroleum Hydrocarbons in gasoline range (TPHg), Total Recoverable Petroleum Hydrocarbons (TRPH), Polychlorinated Biphenyls (PCBs), and Polynuclear Aromatic Hydrocarbons (PSAHs). Excavation activities to remove the impacted soil were conducted at the Site between January 12 and February 5, 2016 by Westech. Each of the identified areas of concern (AOCs) were excavated, as proposed in the Cleanup Plan (Converse, 2015).A total of 5,315 CY of soil were excavated and stockpiled at the designated locations on site. A total 370 Cy (535 tons) of soil from the Sand Drag area was excavated and transported offsite to the Philadelphia Recycling Mine in Mira Loma, California for disposal.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	RIALTO MUNICIPAL AIRPORT PROPERTY
Address:	1451 LINDEN AVENUE
City,State,Zip:	RIALTO, CA 92376
Site ID:	217958
CERS ID:	T10000002088
CERS Description:	Cleanup Program Site

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/22/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/09/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/16/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/16/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/09/2021
Number of Days to Update: 82

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/04/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/09/2021
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/07/2021
Number of Days to Update: 79

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/05/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/17/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 80

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 03/11/2021
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 06/01/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/21/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 79

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/08/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/02/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/15/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/15/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/06/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 12/03/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/24/2021
Next Scheduled EDR Contact: 09/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/06/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 71

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/28/2020
Date Data Arrived at EDR: 01/29/2021
Date Made Active in Reports: 04/22/2021
Number of Days to Update: 83
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/24/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PRISA PORTFOLIO - OLIVE GROVE
NORTHSIDE OF BASELINE ROAD, WEST OF CACTUS AVENUE
RIALTO, CA 92376

TARGET PROPERTY COORDINATES

Latitude (North):	34.122906 - 34° 7' 22.46''
Longitude (West):	117.390306 - 117° 23' 25.10''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	464007.2
UTM Y (Meters):	3775657.5
Elevation:	1379 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619058 FONTANA, CA
Version Date:	2012
Northeast Map:	5630643 SAN BERNARDINO NORTH, CA
Version Date:	2012
Southeast Map:	5620416 SAN BERNARDINO SOUTH, CA
Version Date:	2012
Northwest Map:	5630611 DEVORE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

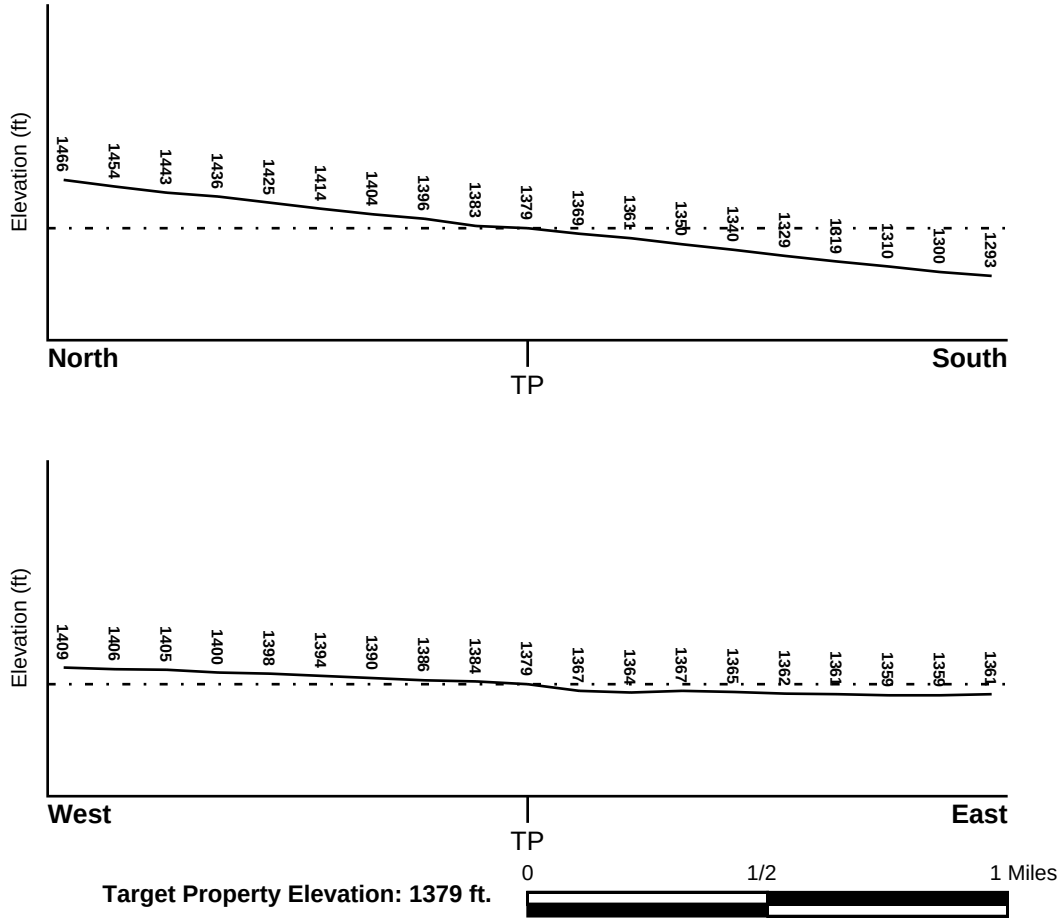
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06071C8657H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C7920H	FEMA FIRM Flood data
06071C7940H	FEMA FIRM Flood data
06071C8656H	FEMA FIRM Flood data
06071C8676H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
FONTANA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

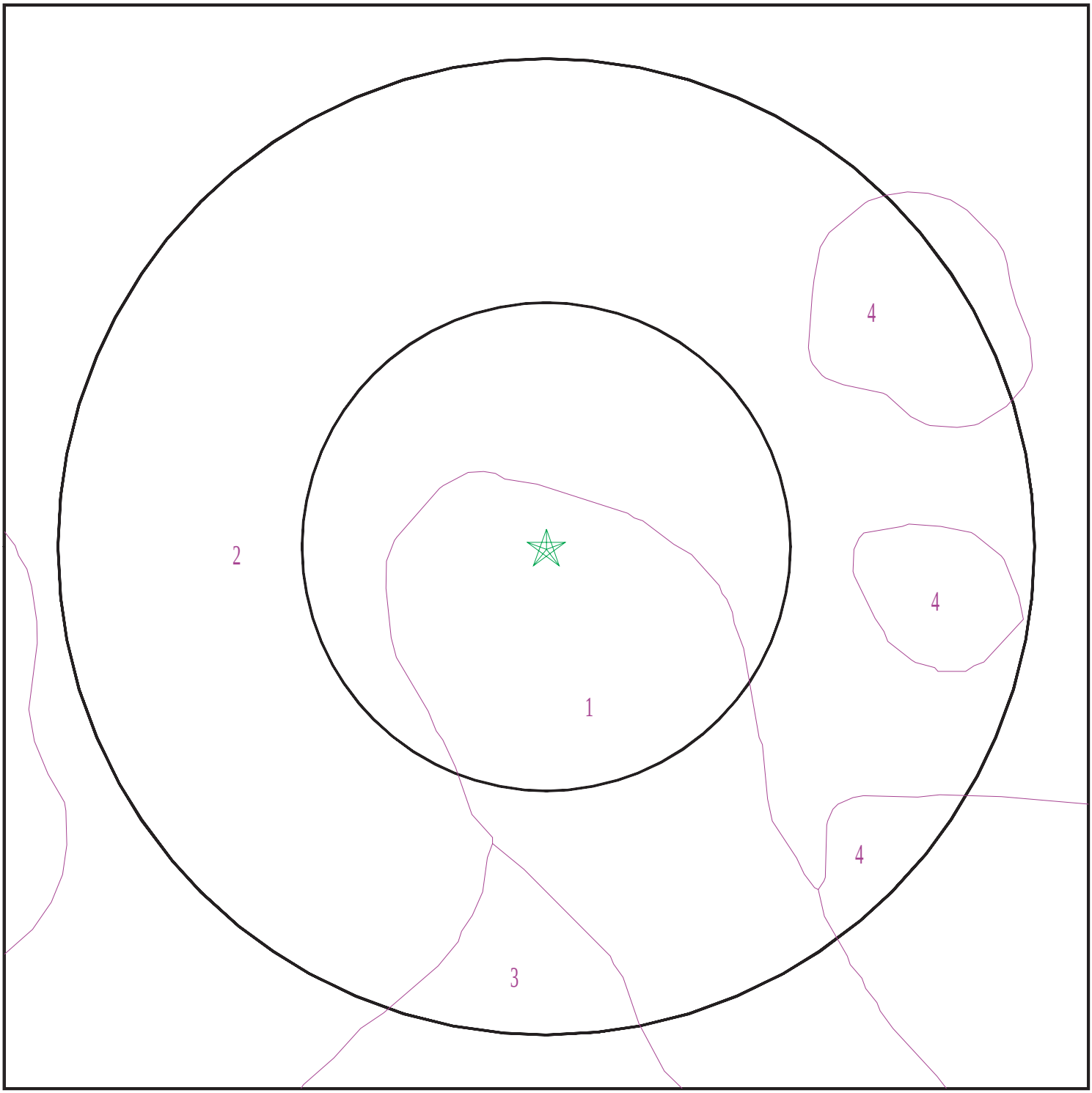
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6521947.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Prisa Portfolio - Olive Grove	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Northside of Baseline Road, West of Cactus Avenue Rialto CA 92376	CONTACT:	Evelyn Perez
LAT/LONG:	34.122906 / 117.390306	INQUIRY #:	6521947.2s
		DATE:	June 03, 2021 5:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Hanford

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
2	35 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: PITS

Soil Surface Texture: very gravelly coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	extremely gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 42	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000141467	1/4 - 1/2 Mile SE
A3	USGS40000141517	1/4 - 1/2 Mile ESE
A4	USGS40000141518	1/4 - 1/2 Mile ESE
A5	USGS40000141516	1/4 - 1/2 Mile ESE
A6	USGS40000141513	1/4 - 1/2 Mile ESE
A7	USGS40000141514	1/4 - 1/2 Mile ESE
A8	USGS40000141515	1/4 - 1/2 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E28	USGS40000139975	1/2 - 1 Mile WNW
G36	USGS40000141823	1/2 - 1 Mile North
H38	USGS40000141512	1/2 - 1 Mile East
39	USGS40000141285	1/2 - 1 Mile SSE
I40	USGS40000141779	1/2 - 1 Mile NW
I41	USGS40000141778	1/2 - 1 Mile NW
I42	USGS40000141780	1/2 - 1 Mile NW
I43	USGS40000141781	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

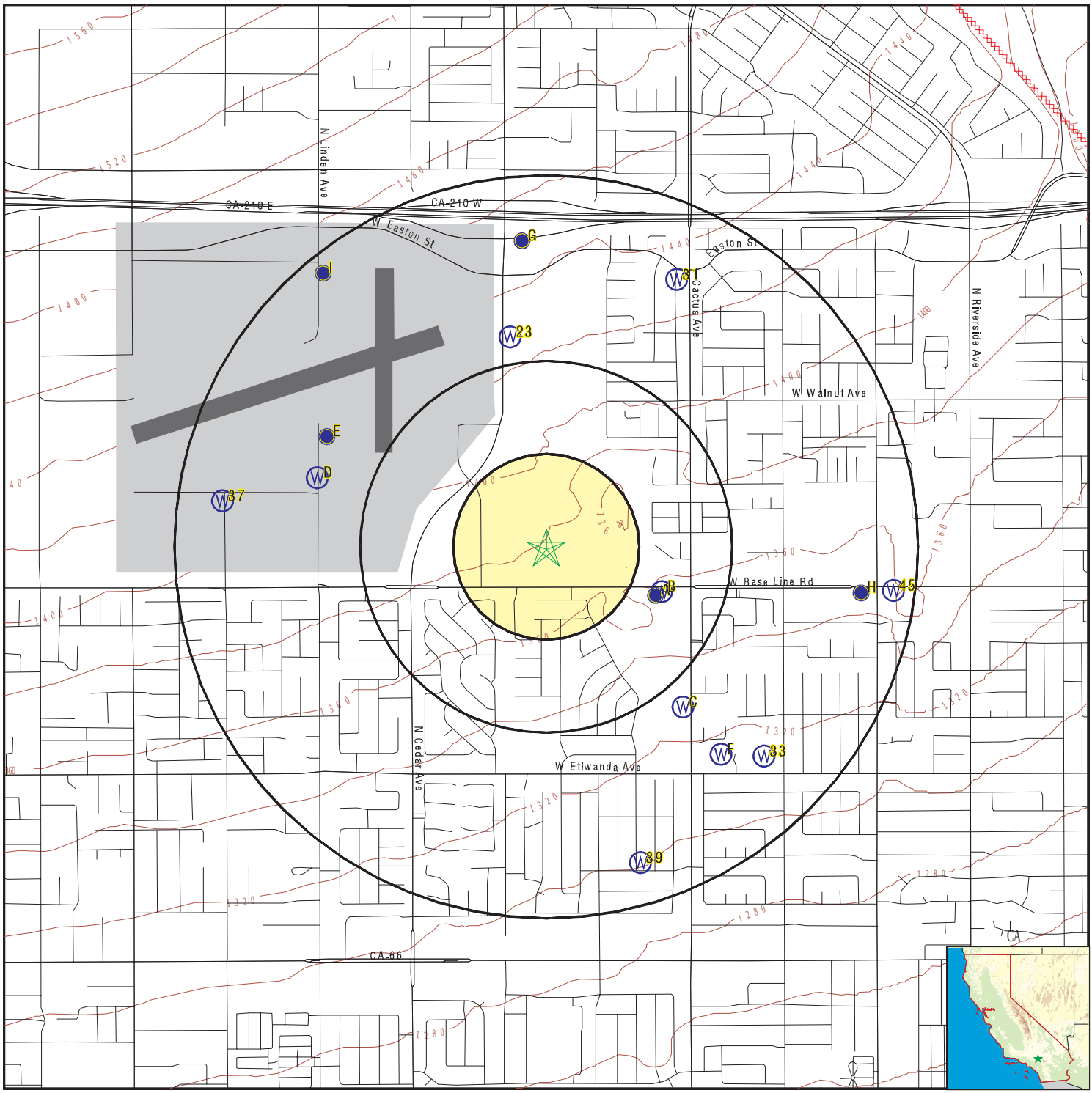
MAP ID	WELL ID	LOCATION FROM TP
A2	CAUSGSN00009908	1/4 - 1/2 Mile SE
B9	CADWR8000006906	1/4 - 1/2 Mile ESE
B10	CADWR8000006903	1/4 - 1/2 Mile ESE
B11	CADWR8000006902	1/4 - 1/2 Mile ESE
B12	CADWR8000006904	1/4 - 1/2 Mile ESE
B13	CADWR8000006907	1/4 - 1/2 Mile ESE
B14	CADWR8000006905	1/4 - 1/2 Mile ESE
A15	CAUSGSN00000485	1/4 - 1/2 Mile ESE
A16	CAUSGSN00003340	1/4 - 1/2 Mile ESE
A17	CAUSGSN00003516	1/4 - 1/2 Mile ESE
A18	CAUSGSN00017896	1/4 - 1/2 Mile ESE
A19	CAUSGSN00016940	1/4 - 1/2 Mile ESE
B20	CADDW0000020730	1/4 - 1/2 Mile ESE
C21	979	1/2 - 1 Mile SE
C22	982	1/2 - 1 Mile SE
23	CAUSGSN00007452	1/2 - 1 Mile North
C24	CADDW0000015554	1/2 - 1 Mile SE
D25	CADDW0000014570	1/2 - 1 Mile WNW
D26	CADDW0000009037	1/2 - 1 Mile WNW
E27	CAUSGSN00011730	1/2 - 1 Mile WNW
F29	CADDW0000012414	1/2 - 1 Mile SE
F30	CAPFAS000001077	1/2 - 1 Mile SE
31	201	1/2 - 1 Mile NNE
G32	CADDW0000007577	1/2 - 1 Mile North
33	996	1/2 - 1 Mile SE
G34	CAUSGSN00003870	1/2 - 1 Mile North
H35	CADWR0000032654	1/2 - 1 Mile East
37	CADDW0000017714	1/2 - 1 Mile West
I44	202	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
45	CADWR8000006901	1/2 - 1 Mile East
I46	CADWR8000007041	1/2 - 1 Mile NW
I47	CADWR8000007040	1/2 - 1 Mile NW
I48	CADWR8000007043	1/2 - 1 Mile NW
I49	CADWR8000007042	1/2 - 1 Mile NW
I50	CAUSGSN00017830	1/2 - 1 Mile NW
I51	CAUSGSN00002020	1/2 - 1 Mile NW
I52	CAUSGSN00007467	1/2 - 1 Mile NW
I53	CAUSGSN00017212	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 6521947.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Prisa Portfolio - Olive Grove	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Northside of Baseline Road, West of Cactus Avenue Rialto CA 92376	CONTACT:	Evelyn Perez
LAT/LONG:	34.122906 / 117.390306	INQUIRY #:	6521947.2s
		DATE:	June 03, 2021 5:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000141467**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19910225	Well Depth:	970
Well Depth Units:	ft	Well Hole Depth:	1023
Well Hole Depth Units:	ft		

A2
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00009908**

Well ID:	USGS-340713117230601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340713117230601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340713117230601&store_num=		
GeoTracker Data:	Not Reported		

A3
ESE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000141517**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A007S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20050628	Well Depth:	420
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

A4
ESE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000141518**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A008S	Type:	Well

Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20050628	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

A5
ESE **FED USGS** **USGS40000141516**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A006S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20050628	Well Depth:	520
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

A6
ESE **FED USGS** **USGS40000141513**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20050628	Well Depth:	875
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

A7
ESE **FED USGS** **USGS40000141514**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A004S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

Construction Date:	20050628	Well Depth:	750
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

A8
ESE **FED USGS** **USGS40000141515**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03A005S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20050628	Well Depth:	680
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

B9
ESE **CA WELLS** **CADWR8000006906**
1/4 - 1/2 Mile
Lower

State Well #:	01S05W03A007S	Station ID:	26028
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

---

B10
ESE **CA WELLS** **CADWR8000006903**
1/4 - 1/2 Mile
Lower

State Well #:	01S05W03A004S	Station ID:	26026
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

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B11
ESE **CA WELLS** **CADWR8000006902**
1/4 - 1/2 Mile
Lower

State Well #:	01S05W03A003S	Station ID:	37771
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B12
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR8000006904**

State Well #:	01S05W03A005S	Station ID:	26027
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

---

B13
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR8000006907**

State Well #:	01S05W03A008S	Station ID:	37773
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

---

B14
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR8000006905**

State Well #:	01S05W03A006S	Station ID:	37772
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

---

A15
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00000485**

Well ID:	USGS-340716117230601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340716117230601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340716117230601&store_num=		
GeoTracker Data:	Not Reported		

A16
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00003340**

Well ID:	USGS-340716117230602	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340716117230602	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340716117230602&store_num=		

GeoTracker Data: Not Reported

A17
ESE **CA WELLS** **CAUSGSN00003516**
1/4 - 1/2 Mile
Lower

Well ID: USGS-340716117230603 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-340716117230603 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340716117230603&store_num=
GeoTracker Data: Not Reported

A18
ESE **CA WELLS** **CAUSGSN00017896**
1/4 - 1/2 Mile
Lower

Well ID: USGS-340716117230605 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-340716117230605 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340716117230605&store_num=
GeoTracker Data: Not Reported

A19
ESE **CA WELLS** **CAUSGSN00016940**
1/4 - 1/2 Mile
Lower

Well ID: USGS-340716117230604 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-340716117230604 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340716117230604&store_num=
GeoTracker Data: Not Reported

B20
ESE **CA WELLS** **CADDW0000020730**
1/4 - 1/2 Mile
Lower

Well ID: 3610038-009 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: RIALTO WELL 04 (DUNCAN WELL) - INACTIVE
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-009&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C21
SE
1/2 - 1 Mile
Lower

CA WELLS 979

Seq:	979	Prim sta c:	01S/05W-02C01 S
Frds no:	3610004007	County:	36
District:	13	User id:	TAN
System no:	3610004	Water type:	G
Source nam:	WELL 10	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340700.0	Longitude:	1172300.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610004	System nam:	West San Bernardino Cwd
Hqname:	Not Reported	Address:	PO BOX 920
City:	RIALTO	State:	CA
Zip:	92376	Zip ext:	0920
Pop serv:	41454	Connection:	15052
Area serve:	RIALTO-BLOOMINGTON		

C22
SE
1/2 - 1 Mile
Lower

CA WELLS 982

Seq:	982	Prim sta c:	01S/05W-03A01 S
Frds no:	3610038009	County:	36
District:	13	User id:	TAN
System no:	3610038	Water type:	G
Source nam:	DUNCAN WELL (RIALTO 04)	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340700.0	Longitude:	1172300.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610038	System nam:	Rialto-City
Hqname:	Not Reported	Address:	150 S PALM AVE
City:	RIALTO	State:	CA
Zip:	92376	Zip ext:	Not Reported
Pop serv:	48418	Connection:	11089
Area serve:	RIALTO		
Sample date:	17-APR-12	Finding:	63.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	22-MAR-12	Finding:	54.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	24-FEB-12	Finding:	1.4
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	24-FEB-12	Finding:	4.
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	24-FEB-12	Finding:	64.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	31-JAN-12	Finding:	56.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

23
North **CA WELLS** **CAUSGSN00007452**
1/2 - 1 Mile
Higher

Well ID:	USGS-340752117233104	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340752117233104	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340752117233104&store_num=		
GeoTracker Data:	Not Reported		

C24
SE **CA WELLS** **CADDW0000015554**
1/2 - 1 Mile
Lower

Well ID:	3610004-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 10 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610004-007&store_num=		
GeoTracker Data:	Not Reported		

D25
WNW **CA WELLS** **CADDW0000014570**
1/2 - 1 Mile
Higher

Well ID:	3610038-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	AIRPORT WELL (RIALTO 03)	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-001&store_num=		
GeoTracker Data:	Not Reported		

D26
WNW **CA WELLS** **CADDW0000009037**
1/2 - 1 Mile
Higher

Well ID:	3610038-046	Well Type:	MUNICIPAL
Source:	Department of Health Services		

Other Name:	MIRO 3	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-046&store_num=		
GeoTracker Data:	Not Reported		

E27
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00011730**

Well ID:	USGS-340218117234601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340218117234601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340218117234601&store_num=		
GeoTracker Data:	Not Reported		

E28
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000139975**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N005W34M001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	887
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	8	Level reading date:	1992-10-27
Feet below surface:	384.52	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1992-06-15	Feet below surface:	378.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-05	Feet below surface:	369.76
Feet to sea level:	Not Reported		
Note:	Foreign substance was present on the surface of the water.		
Level reading date:	1991-06-20	Feet below surface:	368.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-28	Feet below surface:	370.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-27	Feet below surface:	367.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-21	Feet below surface:	357.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-06-26	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.

F29
SE **CA WELLS** **CADDW0000012414**
1/2 - 1 Mile
Lower

Well ID:	3610038-018	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	RIALTO WELL 05	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-018&store_num=		
GeoTracker Data:	Not Reported		

F30
SE **CA WELLS** **CAPFAS000001077**
1/2 - 1 Mile
Lower

Well ID:	3610038-018	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	RIALTO WELL 05	GAMA PFAS Testing:	Yes
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-018&store_num=		
GeoTracker Data:	Not Reported		

31
NNE **CA WELLS** **201**
1/2 - 1 Mile
Higher

Seq:	201	Prim sta c:	01N/05W-34B01 S
Frds no:	3610038014	County:	36
District:	13	User id:	TAN
System no:	3610038	Water type:	G
Source nam:	HIGHLAND WELL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340800.0	Longitude:	1172300.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610038	System nam:	Rialto-City
Hqname:	Not Reported	Address:	150 S PALM AVE
City:	RIALTO	State:	CA
Zip:	92376	Zip ext:	Not Reported
Pop serv:	48418	Connection:	11089
Area serve:	RIALTO		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G32
North
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000007577**

Well ID:	3610038-014	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	HIGHLAND WELL (RIALTO 02) - INACTIVE		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-014&store_num=		
GeoTracker Data:	Not Reported		

33
SE
1/2 - 1 Mile
Lower

CA WELLS **996**

Seq:	996	Prim sta c:	01S/05W-14B01 S
Frds no:	3610038018	County:	36
District:	13	User id:	TAN
System no:	3610038	Water type:	G
Source nam:	RIALTO WELL 05	Station ty:	WELL/AMBNT
Latitude:	340653.5	Longitude:	1172245.2
Precision:	3	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610038	System nam:	Rialto-City
Hqname:	Not Reported	Address:	150 S PALM AVE
City:	RIALTO	State:	CA
Zip:	92376	Zip ext:	Not Reported
Pop serv:	48418	Connection:	11089
Area serve:	RIALTO		

Sample date:	20-MAR-18	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	13-FEB-18	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	10-JAN-18	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	12-DEC-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	15-NOV-17	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	11-OCT-17	Finding:	240.

Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-SEP-17	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	23-AUG-17	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JUL-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JUN-17	Finding:	260.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	17-MAY-17	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	28-APR-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-APR-17	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	10-MAR-17	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	10-MAR-17	Finding:	24.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	10-MAR-17	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	10-MAR-17	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-17	Finding:	7.3e-002
Chemical:	RADIUM 226	Report units:	PCI/L
Dlr:	1.		
Sample date:	02-FEB-17	Finding:	0.107
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	2.7
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	02-FEB-17	Finding:	1.07
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	02-FEB-17	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.47
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.363
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.191
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	1.37
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	3.88
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	02-FEB-17	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	17.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-FEB-17	Finding:	5.3
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	13.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	6.1
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	54.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-17	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L

Dlr:	0.		
Sample date:	02-FEB-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	370.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.644
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-JAN-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	06-JAN-17	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JAN-17	Finding:	0.32
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	07-DEC-16	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	07-DEC-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	30-NOV-16	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	30-NOV-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-NOV-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-NOV-16	Finding:	3.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-OCT-16	Finding:	3.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-OCT-16	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	01-SEP-16	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	01-SEP-16	Finding:	4.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-AUG-16	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-AUG-16	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	05-AUG-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-JUL-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JUL-16	Finding:	3.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-MAY-16	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-MAY-16	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	14-APR-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-MAR-16	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	30-JAN-16	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-DEC-15	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-DEC-15	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	11-NOV-15	Finding:	260.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	09-OCT-15	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	05-SEP-15	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	12-AUG-15	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	24-JUL-15	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	5.9
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	12.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	4.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	16.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	17-FEB-15	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	51.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	150.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	17-FEB-15	Finding:	380.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	2.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-15	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	09-DEC-14	Finding:	0.979
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-DEC-14	Finding:	0.993
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-SEP-14	Finding:	1.36
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-SEP-14	Finding:	1.14
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-JUN-14	Finding:	1.03
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-JUN-14	Finding:	1.04
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-JUN-14	Finding:	0.833
Chemical:	GROSS BETA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	26-JUN-14	Finding:	1.12
Chemical:	GROSS BETA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	4.3
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	14-MAR-14	Finding:	270.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	14-MAR-14	Finding:	17.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	14-MAR-14	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	14-MAR-14	Finding:	11.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	6.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	52.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	360.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	4.9
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.124
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.977
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.61
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	1.16
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	3.09
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		

Sample date:	19-FEB-14	Finding:	0.363
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	11-DEC-13	Finding:	0.4
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	09-JUL-13	Finding:	1.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	09-JUL-13	Finding:	65.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-JUL-13	Finding:	4.1
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	13-MAR-13	Finding:	10.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	13-MAR-13	Finding:	1.3
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	13-MAR-13	Finding:	1.7
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	13-FEB-13	Finding:	1.8
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	13-FEB-13	Finding:	5.8
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	23-FEB-12	Finding:	1.7
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	23-FEB-12	Finding:	6.
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		

G34
North
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00003870**

Well ID:	USGS-340807117232601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340807117232601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340807117232601&store_num=		

GeoTracker Data: Not Reported

H35
East
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000032654**

Well ID:	01S05W02C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S05W02C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S05W02C001S&store_num=		
GeoTracker Data:	Not Reported		

G36
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000141823**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N005W34B001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1022
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1992-03-04
Feet below surface:	408.63	Feet to sea level:	Not Reported
Note:	Not Reported		

37
West
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000017714**

Well ID:	3610038-045	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	MIRO 2	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610038-045&store_num=		
GeoTracker Data:	Not Reported		

H38
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000141512**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	001S005W02C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	900
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1992-01-08
Feet below surface:	324.35	Feet to sea level:	Not Reported
Note:	Not Reported		

39
SSE **FED USGS** **USGS40000141285**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W03J001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

I40
NW **FED USGS** **USGS40000141779**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N005W34D002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19920429	Well Depth:	780
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	134	Level reading date:	2004-12-22
Feet below surface:	460.64	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-11-23	Feet below surface:	460.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2004-11-05	Feet below surface:	459.97
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2004-09-22	Feet below surface:	458.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-24	Feet below surface:	457.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-07-21	Feet below surface:	456.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-29	Feet below surface:	455.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-23	Feet below surface:	455.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-05-19	Feet below surface:	454.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-04-26	Feet below surface:	453.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-03-23	Feet below surface:	453.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-01-21	Feet below surface:	451.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-12-16	Feet below surface:	451.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-11-20	Feet below surface:	452.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	452.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-09-18	Feet below surface:	452.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-08-21	Feet below surface:	452.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-07-23	Feet below surface:	450.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-06-23	Feet below surface:	448.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-05-20	Feet below surface:	447.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-17	Feet below surface:	446.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-03-20	Feet below surface:	445.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-02-21	Feet below surface:	445.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-01-22	Feet below surface:	445.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-12-19	Feet below surface:	444.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-11-19	Feet below surface:	443.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-09	Feet below surface:	442.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-09-19	Feet below surface:	441.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-08-16	Feet below surface:	439.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-07-16	Feet below surface:	437.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-18	Feet below surface:	435.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-22	Feet below surface:	433.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-19	Feet below surface:	431.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-21	Feet below surface:	429.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-21	Feet below surface:	428.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-17	Feet below surface:	427.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-19	Feet below surface:	426.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-30	Feet below surface:	427.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-15	Feet below surface:	427.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-18	Feet below surface:	426.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-08-22	Feet below surface:	424.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-09	Feet below surface:	422.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-13	Feet below surface:	420.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-05-24	Feet below surface:	419.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-10	Feet below surface:	415.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-03-16	Feet below surface:	415.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-02-22	Feet below surface:	418.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	417.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-18	Feet below surface:	417.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-11-27	Feet below surface:	416.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-04	Feet below surface:	417.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-14	Feet below surface:	418.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-15	Feet below surface:	418.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-17	Feet below surface:	417.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-06-12	Feet below surface:	416.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-17	Feet below surface:	415.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-19	Feet below surface:	413.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-13	Feet below surface:	413.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-02-17	Feet below surface:	415.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-19	Feet below surface:	416.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-16	Feet below surface:	417.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-04	Feet below surface:	418.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-05	Feet below surface:	418.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-14	Feet below surface:	417.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-18	Feet below surface:	417.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-20	Feet below surface:	416.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-06-21	Feet below surface:	415.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-25	Feet below surface:	414.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-19	Feet below surface:	414.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-11	Feet below surface:	415.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-16	Feet below surface:	417.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-01-11	Feet below surface:	418.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-15	Feet below surface:	419.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-05	Feet below surface:	420.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	421.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-09-16	Feet below surface:	421.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-14	Feet below surface:	421.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-16	Feet below surface:	421.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-18	Feet below surface:	420.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-05	Feet below surface:	420.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-03	Feet below surface:	421.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-03-04	Feet below surface:	422.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-10	Feet below surface:	423.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-06	Feet below surface:	423.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	424.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-11-05	Feet below surface:	425.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-03	Feet below surface:	425.05
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-09-04	Feet below surface:	425.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-08	Feet below surface:	424.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-07	Feet below surface:	422.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-19	Feet below surface:	422.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-07	Feet below surface:	421.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-10	Feet below surface:	421.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-03-12	Feet below surface:	422.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-13	Feet below surface:	423.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-16	Feet below surface:	425.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-17	Feet below surface:	426.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-05	Feet below surface:	426.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-03	Feet below surface:	426.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-09-11	Feet below surface:	427.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-08-14	Feet below surface:	426.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-16	Feet below surface:	426.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-18	Feet below surface:	426.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-03	Feet below surface:	426.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-01	Feet below surface:	424.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-06	Feet below surface:	425.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-02-15	Feet below surface:	425.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-04	Feet below surface:	427.51
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-12-11	Feet below surface:	428.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-11-07	Feet below surface:	429.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-11	Feet below surface:	428.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-20	Feet below surface:	427.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-14	Feet below surface:	421.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-09	Feet below surface:	425.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-05	Feet below surface:	423.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-26	Feet below surface:	423.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-15	Feet below surface:	423.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-22	Feet below surface:	423.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-18	Feet below surface:	423.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-16	Feet below surface:	423.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-06	Feet below surface:	424.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-03-02	Feet below surface:	425.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-07	Feet below surface:	425.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-29	Feet below surface:	427.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-26	Feet below surface:	430.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-21	Feet below surface:	429.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-14	Feet below surface:	428.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-07	Feet below surface:	430.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-13	Feet below surface:	434.09
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-07-02	Feet below surface:	433.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-10	Feet below surface:	432.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-05	Feet below surface:	430.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-27	Feet below surface:	430.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-27	Feet below surface:	430.80
Feet to sea level:	Not Reported	Note:	Not Reported

I41
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000141778**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N005W34D001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19920429	Well Depth:	990
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	134	Level reading date:	2004-12-22
Feet below surface:	461.62	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-11-23	Feet below surface:	461.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-11-05	Feet below surface:	461.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-09-22	Feet below surface:	458.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-24	Feet below surface:	458.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-07-21	Feet below surface:	457.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-29	Feet below surface:	456.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-23	Feet below surface:	456.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-05-19	Feet below surface:	455.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2004-04-26	Feet below surface:	454.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-03-23	Feet below surface:	453.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-01-21	Feet below surface:	451.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-12-16	Feet below surface:	452.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-11-20	Feet below surface:	452.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	453.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-09-18	Feet below surface:	452.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-08-21	Feet below surface:	453.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-07-23	Feet below surface:	451.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-06-23	Feet below surface:	449.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-05-20	Feet below surface:	448.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-17	Feet below surface:	447.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-03-20	Feet below surface:	446.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-02-21	Feet below surface:	446.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-01-22	Feet below surface:	445.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-12-19	Feet below surface:	445.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-11-19	Feet below surface:	444.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-09	Feet below surface:	443.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-09-19	Feet below surface:	442.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-08-16	Feet below surface:	440.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-07-16	Feet below surface:	438.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-06-18	Feet below surface:	436.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-22	Feet below surface:	434.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-19	Feet below surface:	432.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-21	Feet below surface:	430.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-21	Feet below surface:	428.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-17	Feet below surface:	427.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-19	Feet below surface:	427.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-30	Feet below surface:	427.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-15	Feet below surface:	427.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-18	Feet below surface:	427.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-08-21	Feet below surface:	425.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-09	Feet below surface:	423.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-13	Feet below surface:	421.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-05-24	Feet below surface:	420.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-10	Feet below surface:	415.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-16	Feet below surface:	416.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-02-22	Feet below surface:	418.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	417.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-18	Feet below surface:	417.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-11-27	Feet below surface:	417.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-04	Feet below surface:	418.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-09-14	Feet below surface:	418.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-15	Feet below surface:	419.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-17	Feet below surface:	418.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-06-12	Feet below surface:	416.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-17	Feet below surface:	415.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-19	Feet below surface:	414.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-13	Feet below surface:	413.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-02-17	Feet below surface:	415.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-19	Feet below surface:	417.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-16	Feet below surface:	418.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-04	Feet below surface:	419.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-05	Feet below surface:	419.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-14	Feet below surface:	418.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-18	Feet below surface:	418.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-20	Feet below surface:	417.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-21	Feet below surface:	416.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-25	Feet below surface:	415.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-19	Feet below surface:	415.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-11	Feet below surface:	416.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-16	Feet below surface:	417.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-01-11	Feet below surface:	418.61
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-12-15	Feet below surface:	419.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-05	Feet below surface:	420.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	422.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-09-16	Feet below surface:	422.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-14	Feet below surface:	421.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-16	Feet below surface:	421.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-18	Feet below surface:	421.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-05	Feet below surface:	421.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-03	Feet below surface:	421.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-03-04	Feet below surface:	422.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-10	Feet below surface:	424.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-06	Feet below surface:	423.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	424.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-11-05	Feet below surface:	425.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-03	Feet below surface:	425.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-09-04	Feet below surface:	425.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-08	Feet below surface:	425.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-07	Feet below surface:	423.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-19	Feet below surface:	422.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-07	Feet below surface:	421.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-10	Feet below surface:	421.64
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-03-12	Feet below surface:	422.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-13	Feet below surface:	423.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-16	Feet below surface:	425.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-17	Feet below surface:	426.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-05	Feet below surface:	426.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-03	Feet below surface:	427.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-09-11	Feet below surface:	427.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-08-14	Feet below surface:	427.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-16	Feet below surface:	427.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-18	Feet below surface:	426.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-03	Feet below surface:	427.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-01	Feet below surface:	424.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-06	Feet below surface:	425.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-02-15	Feet below surface:	426.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-04	Feet below surface:	427.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-11	Feet below surface:	428.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-11-07	Feet below surface:	429.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-11	Feet below surface:	428.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-20	Feet below surface:	428.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-09	Feet below surface:	426.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-05	Feet below surface:	424.16
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-06-26	Feet below surface:	423.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-15	Feet below surface:	423.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-22	Feet below surface:	423.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-18	Feet below surface:	423.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-16	Feet below surface:	423.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-06	Feet below surface:	424.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-03-02	Feet below surface:	425.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-07	Feet below surface:	426.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-29	Feet below surface:	427.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-26	Feet below surface:	430.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-21	Feet below surface:	429.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-14	Feet below surface:	428.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-07	Feet below surface:	430.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-13	Feet below surface:	434.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-02	Feet below surface:	433.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-10	Feet below surface:	432.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-04	Feet below surface:	430.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-27	Feet below surface:	430.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-28	Feet below surface:	431.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-14	Feet below surface:	428.21
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I42
NW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000141780**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N005W34D003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19920429	Well Depth:	610
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	134	Level reading date:	2004-12-22
Feet below surface:	460.90	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-11-23	Feet below surface:	460.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-11-05	Feet below surface:	460.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-09-22	Feet below surface:	458.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-24	Feet below surface:	457.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-07-21	Feet below surface:	456.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-29	Feet below surface:	455.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-23	Feet below surface:	455.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-05-19	Feet below surface:	454.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-04-26	Feet below surface:	453.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-03-23	Feet below surface:	452.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-01-21	Feet below surface:	451.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-12-16	Feet below surface:	451.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-11-20	Feet below surface:	452.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2003-10-22	Feet below surface:	452.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-09-18	Feet below surface:	452.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-08-21	Feet below surface:	451.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-07-23	Feet below surface:	450.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-06-23	Feet below surface:	448.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-05-20	Feet below surface:	447.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-17	Feet below surface:	446.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-03-20	Feet below surface:	445.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-02-21	Feet below surface:	445.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-01-22	Feet below surface:	445.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-12-19	Feet below surface:	444.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-11-19	Feet below surface:	443.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-09	Feet below surface:	442.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-09-19	Feet below surface:	441.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-08-16	Feet below surface:	439.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-07-16	Feet below surface:	437.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-18	Feet below surface:	435.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-22	Feet below surface:	433.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-19	Feet below surface:	431.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-21	Feet below surface:	429.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-21	Feet below surface:	428.05
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-01-17	Feet below surface:	427.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-19	Feet below surface:	426.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-30	Feet below surface:	427.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-15	Feet below surface:	427.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-18	Feet below surface:	426.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-08-22	Feet below surface:	424.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-09	Feet below surface:	422.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-13	Feet below surface:	420.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-05-24	Feet below surface:	419.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-10	Feet below surface:	415.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-16	Feet below surface:	415.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-02-22	Feet below surface:	418.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	417.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-18	Feet below surface:	417.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-11-27	Feet below surface:	416.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-04	Feet below surface:	417.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-14	Feet below surface:	418.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-15	Feet below surface:	418.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-17	Feet below surface:	417.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-06-12	Feet below surface:	416.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-17	Feet below surface:	415.07
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-19	Feet below surface:	413.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-13	Feet below surface:	413.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-02-17	Feet below surface:	415.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-19	Feet below surface:	416.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-16	Feet below surface:	417.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-04	Feet below surface:	418.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-05	Feet below surface:	418.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-14	Feet below surface:	418.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-18	Feet below surface:	417.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-20	Feet below surface:	416.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-21	Feet below surface:	416.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-25	Feet below surface:	414.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-19	Feet below surface:	414.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-11	Feet below surface:	415.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-16	Feet below surface:	417.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-01-11	Feet below surface:	418.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-15	Feet below surface:	419.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-05	Feet below surface:	420.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	421.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-09-16	Feet below surface:	421.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-14	Feet below surface:	421.16
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-07-16	Feet below surface:	421.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-18	Feet below surface:	420.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-05	Feet below surface:	420.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-03	Feet below surface:	421.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-03-04	Feet below surface:	422.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-10	Feet below surface:	423.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-06	Feet below surface:	423.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	424.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-11-05	Feet below surface:	425.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-03	Feet below surface:	425.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-09-04	Feet below surface:	425.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-08	Feet below surface:	424.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-07	Feet below surface:	423.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-19	Feet below surface:	422.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-07	Feet below surface:	421.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-10	Feet below surface:	421.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-03-12	Feet below surface:	422.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-13	Feet below surface:	423.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-16	Feet below surface:	425.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-17	Feet below surface:	426.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-05	Feet below surface:	426.61
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1996-10-03	Feet below surface:	426.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-09-11	Feet below surface:	427.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-08-14	Feet below surface:	426.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-16	Feet below surface:	426.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-18	Feet below surface:	426.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-03	Feet below surface:	426.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-01	Feet below surface:	424.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-06	Feet below surface:	425.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-02-15	Feet below surface:	425.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-04	Feet below surface:	427.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-11	Feet below surface:	428.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-11-07	Feet below surface:	429.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-11	Feet below surface:	428.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-20	Feet below surface:	427.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-09	Feet below surface:	425.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-05	Feet below surface:	423.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-26	Feet below surface:	423.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-15	Feet below surface:	423.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-22	Feet below surface:	423.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-18	Feet below surface:	423.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-16	Feet below surface:	423.34
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-04-06	Feet below surface:	424.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-03-02	Feet below surface:	425.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-07	Feet below surface:	426.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-29	Feet below surface:	427.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-26	Feet below surface:	430.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-21	Feet below surface:	428.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-14	Feet below surface:	428.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-07	Feet below surface:	430.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-13	Feet below surface:	434.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-02	Feet below surface:	433.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-10	Feet below surface:	432.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-04	Feet below surface:	429.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-27	Feet below surface:	430.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-27	Feet below surface:	430.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-14	Feet below surface:	427.81
Feet to sea level:	Not Reported	Note:	Not Reported

I43
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000141781**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N005W34D004S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19920429	Well Depth:	492
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	134	Level reading date:	2004-12-22
Feet below surface:	460.45	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-11-23	Feet below surface:	460.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-11-05	Feet below surface:	460.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-09-22	Feet below surface:	458.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-24	Feet below surface:	456.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-07-21	Feet below surface:	455.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-29	Feet below surface:	455.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-06-23	Feet below surface:	454.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-05-19	Feet below surface:	453.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-04-26	Feet below surface:	453.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-03-23	Feet below surface:	450.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-01-21	Feet below surface:	451.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-12-16	Feet below surface:	451.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-11-20	Feet below surface:	452.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	452.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-09-18	Feet below surface:	452.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-08-21	Feet below surface:	451.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-07-23	Feet below surface:	450.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-06-23	Feet below surface:	448.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-05-20	Feet below surface:	447.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-17	Feet below surface:	446.40

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-03-20	Feet below surface:	445.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-02-21	Feet below surface:	445.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-01-22	Feet below surface:	444.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-12-19	Feet below surface:	443.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-11-19	Feet below surface:	442.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-09	Feet below surface:	441.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-09-19	Feet below surface:	440.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-08-16	Feet below surface:	439.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-07-16	Feet below surface:	437.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-18	Feet below surface:	434.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-22	Feet below surface:	432.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-19	Feet below surface:	431.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-21	Feet below surface:	429.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-21	Feet below surface:	427.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-17	Feet below surface:	426.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-19	Feet below surface:	426.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-30	Feet below surface:	427.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-15	Feet below surface:	426.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-18	Feet below surface:	425.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-08-22	Feet below surface:	424.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-07-09	Feet below surface:	422.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-13	Feet below surface:	420.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-05-24	Feet below surface:	419.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-10	Feet below surface:	415.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-16	Feet below surface:	415.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-02-22	Feet below surface:	417.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	416.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-18	Feet below surface:	416.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-11-27	Feet below surface:	416.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-04	Feet below surface:	417.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-14	Feet below surface:	418.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-15	Feet below surface:	418.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-17	Feet below surface:	417.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-06-12	Feet below surface:	416.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-17	Feet below surface:	414.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-19	Feet below surface:	413.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-13	Feet below surface:	413.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-02-17	Feet below surface:	415.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-19	Feet below surface:	416.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-16	Feet below surface:	417.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-04	Feet below surface:	418.51
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-10-05	Feet below surface:	418.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-14	Feet below surface:	417.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-18	Feet below surface:	417.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-20	Feet below surface:	416.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-21	Feet below surface:	415.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-25	Feet below surface:	414.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-19	Feet below surface:	414.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-11	Feet below surface:	415.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-16	Feet below surface:	416.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-01-11	Feet below surface:	418.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-15	Feet below surface:	419.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-05	Feet below surface:	420.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	421.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-09-16	Feet below surface:	421.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-14	Feet below surface:	421.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-16	Feet below surface:	420.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-18	Feet below surface:	420.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-05	Feet below surface:	420.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-03	Feet below surface:	421.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-03-04	Feet below surface:	422.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-10	Feet below surface:	423.36
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-01-06	Feet below surface:	423.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	424.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-11-05	Feet below surface:	425.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-03	Feet below surface:	425.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-09-04	Feet below surface:	425.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-08	Feet below surface:	424.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-07	Feet below surface:	422.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-19	Feet below surface:	422.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-07	Feet below surface:	421.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-10	Feet below surface:	421.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-03-12	Feet below surface:	422.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-13	Feet below surface:	423.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-16	Feet below surface:	425.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-17	Feet below surface:	426.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-05	Feet below surface:	426.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-03	Feet below surface:	426.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-09-11	Feet below surface:	426.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-08-14	Feet below surface:	426.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-16	Feet below surface:	426.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-18	Feet below surface:	426.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-03	Feet below surface:	426.16
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1996-04-01	Feet below surface:	424.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-06	Feet below surface:	425.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-02-15	Feet below surface:	425.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-04	Feet below surface:	427.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-11	Feet below surface:	428.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-11-07	Feet below surface:	429.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-11	Feet below surface:	428.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-20	Feet below surface:	427.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-09	Feet below surface:	425.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-05	Feet below surface:	423.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-26	Feet below surface:	423.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-15	Feet below surface:	423.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-22	Feet below surface:	423.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-18	Feet below surface:	423.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-16	Feet below surface:	423.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-06	Feet below surface:	424.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-03-02	Feet below surface:	425.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-07	Feet below surface:	426.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-29	Feet below surface:	427.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-26	Feet below surface:	430.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-21	Feet below surface:	428.62
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1994-03-14	Feet below surface:	428.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-07	Feet below surface:	430.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-13	Feet below surface:	434.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-02	Feet below surface:	433.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-10	Feet below surface:	432.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-04	Feet below surface:	429.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-27	Feet below surface:	430.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-28	Feet below surface:	430.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-14	Feet below surface:	428.42
Feet to sea level:	Not Reported	Note:	Not Reported

I44
NW
1/2 - 1 Mile
Higher

CA WELLS 202

Seq:	202	Prim sta c:	01N/05W-34M01 S
Frds no:	3610038001	County:	36
District:	13	User id:	TAN
System no:	3610038	Water type:	G
Source nam:	AIRPORT WELL (RIALTO 03)	Station ty:	WELL/AMBNT
Latitude:	340800.0	Longitude:	1172400.0
Precision:	5	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610038	System nam:	Rialto-City
Hqname:	Not Reported	Address:	150 S PALM AVE
City:	RIALTO	State:	CA
Zip:	92376	Zip ext:	Not Reported
Pop serv:	48418	Connection:	11089
Area serve:	RIALTO		
Sample date:	20-MAR-18	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-18	Finding:	6.8
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	19-MAR-18	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	12-MAR-18	Finding:	6.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-18	Finding:	0.7
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-18	Finding:	0.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAR-18	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	06-MAR-18	Finding:	7.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAR-18	Finding:	0.9
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAR-18	Finding:	6.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	06-MAR-18	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	06-MAR-18	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-MAR-18	Finding:	0.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-18	Finding:	0.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-18	Finding:	1.
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-FEB-18	Finding:	6.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-18	Finding:	5.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-18	Finding:	0.75
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		

Sample date:	22-FEB-18	Finding:	0.54
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-FEB-18	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-18	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-18	Finding:	5.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	07-FEB-18	Finding:	0.6
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-18	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-FEB-18	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-JAN-18	Finding:	0.52
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-JAN-18	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JAN-18	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JAN-18	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JAN-18	Finding:	1.9
Chemical:	BROMOFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	15-JAN-18	Finding:	1.6
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	15-JAN-18	Finding:	9.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L

Dlr:	0.		
Sample date:	15-JAN-18	Finding:	4.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	10-JAN-18	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	08-JAN-18	Finding:	4.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	5.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-JAN-18	Finding:	160.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-DEC-17	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-DEC-17	Finding:	5.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-DEC-17	Finding:	1.1
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-DEC-17	Finding:	1.8
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	27-DEC-17	Finding:	8.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	20-DEC-17	Finding:	4.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-DEC-17	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	11-DEC-17	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-17	Finding:	4.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-17	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	08-DEC-17	Finding:	5.1
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	08-DEC-17	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-DEC-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	28-NOV-17	Finding:	1.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	28-NOV-17	Finding:	4.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-NOV-17	Finding:	1.2
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	20-NOV-17	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-NOV-17	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	14-NOV-17	Finding:	4.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-17	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-NOV-17	Finding:	5.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-NOV-17	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-NOV-17	Finding:	4.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	03-NOV-17	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-NOV-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-OCT-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-OCT-17	Finding:	3.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-OCT-17	Finding:	5.7
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	27-OCT-17	Finding:	5.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-OCT-17	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	20-OCT-17	Finding:	4.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-OCT-17	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	20-OCT-17	Finding:	5.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	20-OCT-17	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-OCT-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-OCT-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-OCT-17	Finding:	5.1
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	13-OCT-17	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	13-OCT-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-OCT-17	Finding:	4.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-OCT-17	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	06-OCT-17	Finding:	4.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-17	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	06-OCT-17	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-OCT-17	Finding:	5.8
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	06-OCT-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-17	Finding:	0.25
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	29-SEP-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-17	Finding:	22.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	29-SEP-17	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-17	Finding:	1.09
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	1.13
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.47
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.363
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L

Dlr:	0.		
Sample date:	02-FEB-17	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	2.79
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	02-FEB-17	Finding:	0.648
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	4.2e-002
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		
Sample date:	02-FEB-17	Finding:	8.3e-002
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	2.4e-002
Chemical:	RADIUM 226	Report units:	PCI/L
Dlr:	1.		
Sample date:	02-FEB-17	Finding:	1.33
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-FEB-17	Finding:	4.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	11.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	6.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	55.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	02-FEB-17	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-17	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	360.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	02-FEB-17	Finding:	3.9
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	24-JAN-17	Finding:	4.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-JAN-17	Finding:	4.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-JAN-17	Finding:	4.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JAN-17	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JAN-17	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	06-JAN-17	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-17	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	5.1
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-17	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	04-JAN-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	30-DEC-16	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	30-DEC-16	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-DEC-16	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	30-DEC-16	Finding:	4.8
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	30-DEC-16	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-DEC-16	Finding:	5.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-DEC-16	Finding:	5.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-DEC-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-DEC-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	05-DEC-16	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	05-DEC-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-DEC-16	Finding:	4.9
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	05-DEC-16	Finding:	0.51
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-16	Finding:	5.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-DEC-16	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	30-NOV-16	Finding:	0.62
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-NOV-16	Finding:	6.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-NOV-16	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	22-NOV-16	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	22-NOV-16	Finding:	4.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-NOV-16	Finding:	4.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-NOV-16	Finding:	7.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-NOV-16	Finding:	5.5
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	22-NOV-16	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-NOV-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-NOV-16	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	26-OCT-16	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	26-OCT-16	Finding:	4.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-OCT-16	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	26-OCT-16	Finding:	4.7
Chemical:	CHLORIDE	Report units:	MG/L

Dlr:	0.		
Sample date:	26-OCT-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-OCT-16	Finding:	6.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-16	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	06-OCT-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-SEP-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-SEP-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	05-AUG-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	12-APR-16	Finding:	180.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	12-APR-16	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-APR-16	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-APR-16	Finding:	0.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-16	Finding:	5.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-16	Finding:	5.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-APR-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-APR-16	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	04-APR-16	Finding:	0.6
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-MAR-16	Finding:	4.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-MAR-16	Finding:	0.57
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-MAR-16	Finding:	0.53
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-MAR-16	Finding:	5.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-MAR-16	Finding:	0.56
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAR-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-MAR-16	Finding:	4.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-16	Finding:	4.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-16	Finding:	0.58
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-16	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-MAR-16	Finding:	5.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-MAR-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-MAR-16	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	22-FEB-16	Finding:	5.6
Chemical:	CHLORIDE	Report units:	MG/L

Dlr:	0.		
Sample date:	22-FEB-16	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	22-FEB-16	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	22-FEB-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-16	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-FEB-16	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-JAN-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	30-JAN-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-JAN-16	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-JAN-16	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-16	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-16	Finding:	0.56
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-16	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-JAN-16	Finding:	5.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	04-JAN-16	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-DEC-15	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-DEC-15	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-DEC-15	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-DEC-15	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-DEC-15	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	01-DEC-15	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	01-DEC-15	Finding:	0.64
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-15	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-15	Finding:	5.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	23-NOV-15	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-NOV-15	Finding:	0.6
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-NOV-15	Finding:	0.65
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-NOV-15	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	11-NOV-15	Finding:	250.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-15	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-NOV-15	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-NOV-15	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	09-NOV-15	Finding:	5.8
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-15	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-NOV-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-NOV-15	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-OCT-15	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-15	Finding:	5.8
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	22-OCT-15	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-OCT-15	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-OCT-15	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-OCT-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	13-OCT-15	Finding:	4.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	09-OCT-15	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	06-OCT-15	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	06-OCT-15	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-15	Finding:	0.56
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-15	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	09-SEP-15	Finding:	5.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-SEP-15	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	29-AUG-15	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	24-JUL-15	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JUL-15	Finding:	8.9
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	01-JUL-15	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-JUN-15	Finding:	8.6
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	21-MAY-15	Finding:	1.28
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	1.35
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	250.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L

Dlr:	0.		
Sample date:	21-MAY-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	21-MAY-15	Finding:	5.3
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	2.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	12.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	6.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	52.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-MAY-15	Finding:	350.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-FEB-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	17-FEB-15	Finding:	5.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	17-FEB-15	Finding:	11.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	6.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	58.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	170.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	190.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	360.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-DEC-14	Finding:	0.54
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-DEC-14	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-14	Finding:	0.57
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-14	Finding:	1.41
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-DEC-14	Finding:	1.28
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-DEC-14	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	02-DEC-14	Finding:	4.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-DEC-14	Finding:	0.55
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-14	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-14	Finding:	0.6
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-NOV-14	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-NOV-14	Finding:	0.54
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-NOV-14	Finding:	0.58
Chemical:	1,1,2-TRICHLOROETHANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-14	Finding:	0.59
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-14	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-OCT-14	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-OCT-14	Finding:	0.65
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-14	Finding:	0.62
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-14	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-14	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-SEP-14	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	23-SEP-14	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-SEP-14	Finding:	4.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-SEP-14	Finding:	0.56
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-SEP-14	Finding:	1.36
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-SEP-14	Finding:	1.14
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-SEP-14	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-14	Finding:	0.53
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-SEP-14	Finding:	0.59
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-SEP-14	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-14	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-AUG-14	Finding:	0.52
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-AUG-14	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-14	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-JUL-14	Finding:	0.52
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-JUL-14	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-14	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	15-JUL-14	Finding:	0.64
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-14	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-JUL-14	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-JUL-14	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-14	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-14	Finding:	0.53
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUN-14	Finding:	4.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	25-JUN-14	Finding:	1.12
Chemical:	GROSS BETA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-JUN-14	Finding:	0.881
Chemical:	GROSS BETA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-JUN-14	Finding:	1.05
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-JUN-14	Finding:	0.982
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-JUN-14	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-JUN-14	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-JUN-14	Finding:	0.52
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JUN-14	Finding:	0.52
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		

Sample date:	10-JUN-14	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JUN-14	Finding:	16.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-JUN-14	Finding:	0.52
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JUN-14	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAY-14	Finding:	0.65
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAY-14	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-MAY-14	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-MAY-14	Finding:	0.56
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-MAY-14	Finding:	0.58
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-MAY-14	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAY-14	Finding:	0.53
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAY-14	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-MAY-14	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-MAY-14	Finding:	0.53
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-14	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-APR-14	Finding:	0.53
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L

Dlr:	0.5		
Sample date:	15-APR-14	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-APR-14	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-MAR-14	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-MAR-14	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-MAR-14	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	14-MAR-14	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	14-MAR-14	Finding:	4.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	2.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	11.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	6.5
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	150.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	14-MAR-14	Finding:	51.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAR-14	Finding:	340.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-MAR-14	Finding:	4.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-MAR-14	Finding:	0.59
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-FEB-14	Finding:	4.22
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	19-FEB-14	Finding:	0.158
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.343
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.906
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.961
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	2.15
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	19-FEB-14	Finding:	0.491
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-FEB-14	Finding:	0.363
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	19-FEB-14	Finding:	1.33
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L

Dlr:	0.		
Sample date:	18-FEB-14	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-FEB-14	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-FEB-14	Finding:	0.58
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-14	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-14	Finding:	0.69
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-14	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-JAN-14	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	21-JAN-14	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-JAN-14	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-14	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-DEC-13	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-DEC-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-DEC-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-DEC-13	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	10-DEC-13	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	26-NOV-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-NOV-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-OCT-13	Finding:	3.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-OCT-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-OCT-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-SEP-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-SEP-13	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-SEP-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-13	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	20-AUG-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-JUL-13	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JUL-13	Finding:	5.5
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	09-JUL-13	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	02-JUL-13	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUL-13	Finding:	0.51
Chemical:	1,2-DICHLOROPROPANE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JUN-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-JUN-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-JUN-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUN-13	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	06-JUN-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUN-13	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	06-JUN-13	Finding:	4.6
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	30-MAY-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-MAY-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-13	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-MAY-13	Finding:	4.3
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	03-MAY-13	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-APR-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-APR-13	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-13	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-APR-13	Finding:	4.5
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-APR-13	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-APR-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAR-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-MAR-13	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-MAR-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-MAR-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAR-13	Finding:	4.7
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	07-MAR-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAR-13	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	07-MAR-13	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	28-FEB-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-FEB-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-FEB-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-FEB-13	Finding:	5.5
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	13-FEB-13	Finding:	1.4
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	06-FEB-13	Finding:	6.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-13	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	30-JAN-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JAN-13	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-JAN-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JAN-13	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JAN-13	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	10-JAN-13	Finding:	4.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	10-JAN-13	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-13	Finding:	4.7
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-13	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-JAN-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-13	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	28-DEC-12	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-DEC-12	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-12	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-12	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	05-DEC-12	Finding:	4.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	05-DEC-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-NOV-12	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-NOV-12	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-NOV-12	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-12	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-NOV-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	01-NOV-12	Finding:	4.7
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	01-NOV-12	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	01-NOV-12	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-OCT-12	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-OCT-12	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-OCT-12	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-12	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-12	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-OCT-12	Finding:	4.9
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	26-SEP-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-SEP-12	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-SEP-12	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-SEP-12	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-SEP-12	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		

Sample date:	06-SEP-12	Finding:	4.6
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	06-SEP-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-AUG-12	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-AUG-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-AUG-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-AUG-12	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-AUG-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-AUG-12	Finding:	4.6
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-AUG-12	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-AUG-12	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-JUL-12	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-JUL-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-JUL-12	Finding:	6.6
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	18-JUL-12	Finding:	6.7
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	18-JUL-12	Finding:	1.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	18-JUL-12	Finding:	1.8
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L

Dlr:	1.		
Sample date:	12-JUL-12	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JUL-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-JUL-12	Finding:	4.7
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-JUL-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JUL-12	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	27-JUN-12	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-JUN-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-JUN-12	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUN-12	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUN-12	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	05-JUN-12	Finding:	4.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-MAY-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-MAY-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-MAY-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	11-MAY-12	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-APR-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-APR-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-APR-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-12	Finding:	4.9
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	05-APR-12	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-12	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	05-APR-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	29-MAR-12	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-MAR-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-MAR-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-12	Finding:	12.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	08-MAR-12	Finding:	4.3
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	01-MAR-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	23-FEB-12	Finding:	1.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	23-FEB-12	Finding:	6.1
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	23-FEB-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-FEB-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-FEB-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-FEB-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	01-FEB-12	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-FEB-12	Finding:	13.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	01-FEB-12	Finding:	4.7
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	27-JAN-12	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-JAN-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-JAN-12	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JAN-12	Finding:	14.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	05-JAN-12	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

45
East
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000006901**

State Well #:	01S05W02C001S	Station ID:	46652
Well Name:	Well 10	Well Use:	Observation
Well Type:	Single Well	Well Depth:	907
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

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I46
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000007041**

State Well #:	01N05W34D002S	Station ID:	26807
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

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I47
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000007040**

State Well #:	01N05W34D001S	Station ID:	3265
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

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I48
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000007043**

State Well #:	01N05W34D004S	Station ID:	26808
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

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I49
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000007042**

State Well #:	01N05W34D003S	Station ID:	3266
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Rialto-Colton	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I50
NW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00017830**

Well ID:	USGS-340800117235904	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340800117235904	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340800117235904&store_num=		
GeoTracker Data:	Not Reported		

I51
NW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002020**

Well ID:	USGS-340800117235901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340800117235901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340800117235901&store_num=		
GeoTracker Data:	Not Reported		

I52
NW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00007467**

Well ID:	USGS-340800117235902	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340800117235902	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340800117235902&store_num=		
GeoTracker Data:	Not Reported		

I53
NW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00017212**

Well ID:	USGS-340800117235903	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340800117235903	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340800117235903&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92376	12	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS

PARTNER

Cheryl Manuel
Project Scientist

Education
Los Angeles Harbor College

Training
Asbestos Hazard Awareness
Fall Protection Awareness-Cal OSHA
Ladder Safety-Cal OSHA

Highlights
5 years of experience in the environmental consulting industry
Phase I Environmental Site Assessments
Environmental Transaction Screens
Records Search Risk Assessment Reports

Experience Summary
Ms. Manuel has over 5 years of experience in the environmental consulting industry conducting Database Reviews (DR), Records Search Risk Assessment Reports (RSRA), Historical Records Review (HRR), Historical Records and Database Review (HRDR), Extended Database Search (EDS), Environmental Transaction Screen (ETS), Phase I Environmental Site Assessments (ESA), and other related environmental assessments for sites including apartment buildings/complexes, commercial office buildings, shopping centers, multi-tenant commercial complexes, and dry cleaning operations.

Project Experience
Sartori Avenue two-story mixed use building, Torrance, California, 14-114299.1. A 20,800 SF commercial and residential building on .24 acres including offices/retail on the ground floor and residential on the second floor.

Athens Gate Apartments, El Paso, Texas, 15-138621.1. A two story, 233-unit multifamily apartment complex on 8.92 acres.

Aldine Plaza, Houston, Texas, 16-175611.1. A 35,278 SF retail center consisting of nine commercial/retail units and one vacant unit on 4.77 acres.

Radar Road, San Diego, California 16-161761.2, 3, 4. Three industrial parcels improved with a 13,065 SF building and a 14,313 SF building on 4.11 acres. Onsite operations include the sales, storage, rental, and maintenance of construction equipment.

Sisters Storage, Sisters, Oregon, 16-158333.1. A 22,800 square foot storage/retail/rental facility on 2.69 acres, consisting of public storage lockers, U-Haul truck rental, and power tool/equipment sales and rental.

Contact
CManuel@partneresi.com

PARTNER

Michael Emilio
Senior Project Manager/Geologist

Education

Masters of Science – Geology, University of South Florida, Tampa, FL
Bachelors of Science – Geology, Central Michigan University, Mt. Pleasant, MI
Honors Diploma, Central Michigan University, Mt. Pleasant, MI

Registrations

Certified Project Manager, per the Project Management Institute standards

Training

40-hour OSHA HAZWOPER certified, under 29 CFR 1910.120
8-hour OSHA HAZWOPER Supervisor certified, under 29 CFR 1910.120
AHERA Asbestos Building Inspector, per State of Florida and USEPA, 40 CFR 763

Highlights

19 years of experience in environmental consulting
18 years of experience in Phase I and Phase II Environmental Site Assessments (ESAs), Peer Reviews, and compliance/health and safety audits
18 years of experience in site assessment and remediation of petroleum hydrocarbon and hazardous materials-impacted soil and groundwater
Extensive experience with automotive-based facilities such as, dealerships, repair shops, collision centers, rental cars, port terminals, and processing and training facilities
Experience in Industrial Hygiene including, asbestos, lead-based paint and dust, and mold assessments
Experience with SPCC, SWPPP, and potable water Consumptive Use Permits

Experience Summary

Mr. Emilio has over 19 years of extensive experience in environmental science and consulting in the areas of due diligence environmental assessments; compliance/ environmental health and safety audits; hydrocarbon and hazardous chemical assessment; remedial design, testing and active remediation for petroleum and hazardous chemical projects; risk-based corrective action planning; petroleum storage system management and AST/UST closure; Best Management Practices; SWPPP plans; SPCC Plans and environmental regulatory compliance at petroleum/hazardous chemical facilities, for government and private industrial/commercial clients, including investment equity groups and lenders.

Mr. Emilio has conducted and managed hundreds of Phase I and Phase II ESAs nationwide per ASTM standards to evaluate potential environmental liabilities associated with property transactions and operations of automotive properties, retail centers, hospitality facilities, multi-family complexes, mixed use, warehouse and distribution facilities, undeveloped land, and industrial, commercial, and manufacturing facilities. Mr. Emilio has also designed, implemented, and oversaw soil, groundwater, and vapor investigations related to Phase II ESAs, Corrective Action Reports, Source Removal Reports, Site Assessment Reports, Tank Closure Assessment Reports, Natural Attenuation Monitoring, Remedial System Operations & Maintenance Reports for the above facilities. Constituents of concern included: petroleum hydrocarbons, chlorinated solvents, pesticides, fertilizers, insecticides, metals etc. Major clients have included, AutoNation, Inc, Barings Asset Management, Blackstone Real Estate Group, Dollar Thrifty Automotive Group, Kimco Realty, The Hertz Corporation, Hertz Equipment Rental, UBS Realty Investors, and Verizon.

Mr. Emilio has experience in managing multiple small and large-scale Phase I ESA, Property Condition Assessment (PCA) and Probable Maximum Loss (PML) portfolios ranging up to a 100+ sites in the US and Canada. His management techniques utilize a skill set requiring strong organizational and communication skills with the internal team, client, and other external stakeholders.

Project Experience

Project Manager, Due Diligence Portfolio of Light-Industrial and Commercial Warehouse Facilities, Project Sites- SE United States. Mr. Emilio successfully managed a 100-plus site environmental services portfolio for ESAs and PCAs, spread across several states for an equity client. Purchase price of the assets exceeded $950 million. The project involved the management and coordination of dozens of people, including assessors, quality assurance reviews, and authoring of summary matrices to keep the client up to date. Mr. Emilio's logistical oversight helped his team to complete their assessments on schedule and exceed client expectations.

Project Manager, Various Fannie Mae and Freddie Mac-financed loans, Project Sites Nationwide. Project manager of various multi-family housing projects and portfolios. The project scopes included performance Fannie Mae/Freddie Mac-compliant Phase I ESAs and Property Condition Assessments. Supplemental work included the completion of Phase II subsurface investigations, geophysical, asbestos and lead identification surveys and Operation and Maintenance Plans.

Site Assessment and Corrective Action Implementation, Former Mattress Manufacturing Plant, Jacksonville, FL. Designed, managed, and implemented Site Assessment, Pilot Tests, and Remedial Action Plan related to chlorinated solvent groundwater plume located beneath the plant floor and petroleum hydrocarbon impacts located along a former rail spur. Assessment activities and interim remedial actions included excavation of 600+ tons of petroleum-impacted soil and dual-phase extraction for chlorinated solvent impacted groundwater within the warehouse. Site activities conducted in conjunction with FDEP, third-party interests, and legal counsel oversight. Subsequent pilot tests and Remedial Action included injection of potassium permanganate in-situ chemical oxidation (ISCO) to treat chlorinated solvents using both re-circulation and direct inject as a means of application. Chlorinated solvent concentrations in groundwater were lowered from initial concentrations greater than 10,000 ppb to concentrations below 1,000 ppb.

Phase II ESA Portfolio, Statewide, FL. Project Manager for a Phase II ESA portfolio of 22 automotive repair facilities located across Florida. Duties included developing scope of works, managing staff, and subcontractors, conducting senior review of reports and developing client summaries. Areas of Concern investigated included in-ground lifts, oil-water separators, floor drains, former underground storage tanks, and offsite concerns. Project was successfully completed within the client's six-week due diligence period.

Phase I & II ESA, Golden Glades, FL. Oversaw and Conducted field activities and reporting for a Phase I/ II ESA of 55,000-acre former agricultural land for hydrological restoration by the South Florida Water Management District and the Comprehensive Everglades Restoration Program. Investigations included the grab and composite soil sampling of point source areas (storage, mixing and burn areas) and furrowed agricultural fields for pesticides, herbicides, and metals. Assessment data was used to determine ecological and human health risk exposure for the potential re-flooding of the area to restore natural hydraulic flow.

Compliance and Environmental Health and Safety Audits, AL, FL, GA, & SC. Conducted compliance and environmental health and safety audits for multiple manufacturing facilities including, a clay and sand mining facility, ply-wood plant, vending machine plant, bio-pharmaceutical research and development facility, optical lens manufacture, roofing tile plants, waste disposal and incineration facilities, and medical supply warehouses.

Industrial Hygiene Investigations and Remediation, AL, CA, CO, FL, & NY. Project manager for several industrial hygiene studies related to asbestos, lead-based paint and dust, mold assessments, indoor air quality assessments, and worker compliant health issues. Projects included initial assessments, sampling, development of work plans, bid solicitation, and abatement/ remediation.

FDIC Peer Reviews, Nationwide. Authored environmental review memorandums on behalf of the FDIC for properties that were in Receivership. Properties were located nationwide and included review of third party Phase I ESAs and/or checklist, review and confirmation special resources; such as protected species, historic properties, sole source aquifers, covered properties under the Coastal Barrier Systems Protection Act, and the National Wetland Inventory. Recommendations and findings were conveyed per FDIC guidelines.

Cellular Tower Network ESA and NEPA Assessments, Statewide, FL. Environmental Manager for the State of Florida telecommunications projects, which included a network of 100+ cellular towers across the state. Sites included new towers and co-locates at existing towers. Project was completed for major clients which included Sprint, M/A-COM, Harris Corporation, and SBA Communications and was done in conjunction with upgrading the State of Florida's emergency notification system. The ESA and National Environmental Policy Act (NEPA) Reports (including field work and agency contacts) were completed in accordance with FCC regulations 47 CFR - § 1.1307, Parts A and B.

SPCC Development & Compliance, Nationwide. Prepared and implemented multiple SPCCs for rental car facilities, large automotive terminals, and port facilities per standards set in 40 CFR Part 112. Duties included developing new plans, updating existing plans, employee training, and evaluating existing site conditions for existing compliance.

UST Closure, FL, GA, KS, TN, WA and TX. Completed and managed UST tank closures per regulatory standards at automotive rental facilities, automotive dealerships, and service dealerships. Responsibilities included solicitation and management of subcontractors, oversight during the tank system closure, and successful completion and filing of the tank closure reports with the respective regulatory agencies.

Contact

memilio@partneresi.com

Education

BS, Geology from Oneonta State College
MS, Hydrogeology from West Virginia University

Registrations

American Institute of Professional Geologists – Certified Professional Geologist CPG 7954
Registered Professional Geologist:

- Pennsylvania: PG000913G
- Delaware: S4 0000969
- New York PG 000196-1
- Missouri: RG 0903
- Indiana: PG 1025 (lapsed)
- New York: (pending)

Training

OSHA 1910.120 Hazardous Site Worker - 40 hour
OSHA 8-hour Supervisors Training Refresher (current)
1997 Pennsylvania Act 2 Brownfield Implementation Course
PCPG Marcellus Shale Environmental Management
SafelandUSA Training
Act 2 Toolkit: Vapor Intrusion
Act 2 Toolkit: Fate and Transport Analysis
Act 2 Toolkit: Risk Assessments for Environmental Scientists
Structural and Hydro-Structural Geology: Theory and Applications

Highlights

33 years of experience in environmental consulting
Soil and groundwater investigation and remediation
Quantitative hydrogeology
Environmental due diligence services (Phase I/II ESAs)
Indoor air quality assessments
Litigation support / expert witness
Forensic studies related to methane stray gas incidents *(characterization of thermogenic and biogenic gases using isotopic analyses)*

Experience Summary

At Partner Engineering and Science, Inc. (Partner), Mr. Newton serves as National Client Manager for several nationwide financial and real estate investment firms. In this capacity, he focuses on providing clients with high quality and timely assessments as part of their due diligence process. He is familiar with the reporting standards of due diligence requirements including: ASTM E1527-13 Standard, EPA's All Appropriate Inquiry (AAI), and New Jersey's Property Transfer Law known as Industrial Site Recovery Act (f/k/a Environmental Cleanup Responsibility Act). Mr. Newton has advised clients through the completion of Phase I Environmental Site Assessments, Environmental Transaction Screens, Phase II Subsurface Investigations,

Remedial Cost Estimates, Remediation Design, and Property Condition Assessments. He has extensive experience managing due diligence projects for the following types of nationwide and local clients:

- Residential Developers
- Commercial Developers
- Real Estate Brokers
- Local Governmental Entities
- REITS
- Private Equity Groups
- Financial Institutions
- Insurance Companies

In addition to due diligence assessments, Mr. Newton has also performed and managed Phase II site investigations, underground storage tank (UST) management and closure activities, remedial investigations, and cleanups under various regulatory programs. He has prepared and successfully implemented soil and groundwater remedial investigation, and remedial action work plans for the cleanup of petroleum and industrial facilities, gasoline service stations, dry cleaner facilities, and vacant and/or undeveloped properties. Management responsibilities included consulting clients, negotiating with regulatory agencies, and using innovative remedial technologies for cost-effective remedial actions at project sites.

Mr. Newton is also a Professional Geologist with 36 years of geological experience serving oil & gas, industrial, commercial, financial and real estate clients throughout the U.S. Mr. Newton's diverse experience in the fields of geology and hydrogeology includes designing and managing remedial investigations (RI); managing remedial design (RD) projects; hydrogeologic studies; design/installation of water production wells; providing litigation support and expert testimony; assisting clients with consent order negotiations; conducting borehole geophysical investigations and aquifer characterization studies. In addition, Mr. Newton has performed or managed well over 1,000 environmental site assessments for commercial, industrial and residential properties throughout the continental U.S. and Mexico. He has assisted oil & gas operators in the Marcellus Shale play with pre-drill water sampling programs, implementing emergency response actions related to stray gas events and incidental releases on shale gas pad sites. He has managed many projects for industrial clients under the Resource Conservation and Recovery Act (RCRA); the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); and various state programs, such as Pennsylvania's Land Recycling Program (Act 2) and New Jersey Industrial Site Cleanup Act (ISRA). As a Petroleum Geologist prior to entering the environmental field, Mr. Newton was selected to serve on Texaco's Unitization Committee where he prepared technical exhibits and presented expert geological testimony on numerous occasions to the Louisiana Office of Conservation.

Project Experience

Environmental Due Diligence

Wells Fargo Bank (f/k/a First Fidelity, First Union and Wachovia). For the last 20 years, Mr. Newton has served as one of the principal environmental consultants for the Corporate Properties Group of Wells Fargo Bank located in Philadelphia. He has conducted or managed 100's of Phase I and Phase II Environmental Site Assessments (ESAs) on behalf of this client at sites throughout the U.S.

PGIM (f/k/a Prudential Real Estate Investors). As the Environmental Coordinator for PGIM, he is directly responsible for reviewing all work products related to due diligence portfolios nationwide. These project sites have ranged from Greenfield sites and to abandoned industrial properties. Many of these projects have involved Phase II investigations, radon testing, asbestos surveys, wetland delineation, and indoor air quality surveys.

ModSpace Corporation (f/k/a GE TIP). Mr. Newton reviews all proposals and reports associated with this national program. Work mostly consists of providing traditional due diligence services in connection with leasing new property for the storage of the trailers and conducting property exit assessments to determine if there were any environmental impacts related to the storage of these units.

Site Investigation and Remediation

CERCLA Site - Swope Oil & Chemical Company, Pennsauken, New Jersey. Mr. Newton served as the Principal Hydrogeologist for the RI/FS and the remedial design / action and other environmental services for implementation, operation and maintenance of a 16-well soil vapor extraction (SVE) system and implementation of semi-annual groundwater monitoring program at a New Jersey Superfund site. The two-acre industrial site is characterized by contaminated soil; unlined lagoon affected by hydrocarbons, phenols and metals; and impacted shallow groundwater. At the request of the Swope Technical Committee, he managed this CERCLA project from 1988 to 2008, including serving as Project Director on behalf of the Potentially Responsible Party (PRP) group for the remedial action program. He was instrumental in negotiating with the USEPA for the use of a phyto-cover to enhance the performance of the SVE system. During the RI, he identified up gradient and offsite sources of contamination that were contributing to the groundwater problem at the site, resulting in the elimination of the originally planned groundwater pump and treatment system, and the elimination of potential long-term liabilities associated with the contamination of an adjacent public water supply well. His efforts also led to a modification of the original ROD by gaining USEPA acceptance of a SVE system for soils in lieu of a full-scale RCRA-type cap, with several letters received from the PRP group commending his management and technical capabilities.

Former Celotex Facility - Northumberland County, Pennsylvania. Mr. Newton served as the Principal Hydrogeologist for the Remedial Investigation and Cleanup Plan for the former Celotex facility in Northumberland County, Pennsylvania. Work included: Phase I Environmental Site Assessment; Phase II work and subsequent RI in accordance with applicable PADEP Act 2 Technical Regulations; asbestos and lead–based paint surveys; interim storm water control measures; and preparation of the Final Report. A Cleanup Plan was also prepared that focused on the southern 8-acre portion of the property, which is a portion of the larger 20-acre former Celotex facility. The County is planning on redeveloping the Site with a County Prison, which requires Act 2 relief of liability for Residential Use. The Cleanup Plan will attain the Residential Direct Contact Soil MSC with pathway elimination through the use of institutional and engineering controls. PADEP approved the Cleanup Plan on December 16, 2015.

CERCLA Site - Vineland Chemical Company Superfund Site, Vineland, New Jersey. Mr. Newton served as Principal Hydrogeologist for the pre-design groundwater investigation at the subject Superfund site. He was responsible for the preparation of the pre-design work plans, quality assurance plan and health and safety plan. The purpose of the pre-design study was to further characterize groundwater quality conditions and to identify and delineate a regional semi-confining layer. HydroPunchTM samples were collected in the field and analyzed for VOCs and arsenic (total and dissolved). In addition, Mr. Newton developed a work plan for the geophysical logging programs, which were approved by the USEPA Region 2 and the USACE.

ISRA Site – Former Bendix Facility, Eatontown, New Jersey. Mr. Newton served as interim Project Manager for a former manufacturing plant. The primary activity at the Site involved the manufacture and assembly of parts and components used to produce power-generating systems for aerospace applications. During these historical operations, unlined waste pits located south and southwest of the production facilities were used

for disposal of spent oils and solvents. Mr. Newton assisted with the preparation of a work plan for the pilot test of an enhanced bioremediation technology to degrade the residual trichloroethene in groundwater.

Pennsylvania Act 2 - Olin Corporation, Nazareth, Pennsylvania. Mr. Newton managed the remedial investigation, risk assessment, and final reports for a 13-acre Brownfield site in Nazareth, Pennsylvania. He was responsible for development of site closure strategy and technical review of project documents, which were used to obtain a release of liability under Pennsylvania's Act 2 program.

RCRA RFI/CMS, Confidential Client, Chesterfield, Virginia. Mr. Newton managed the on-going RFI at a RCRA facility in Chesterfield, Virginia. He was instrumental in completing the delineation of impacted groundwater at the subject site and furthering the understanding of the hydrogeology of the facility. The work was performed under a facility-lead Agreement between client and USEPA Region III. Mr. Newton prepared an RFI work plan that was designed to be performed in a phased-approach for specific SWMUs, which included the collection of background soil. In addition, Mr. Newton developed a work plan that was submitted to USEPA Region 3 to complete the delineation of DNAPL that is present at the site.

RCRA Site - Former GE Facility, Lancaster, Pennsylvania. Mr. Newton managed the RFI/CMS project at an industrial facility in Lancaster, Pennsylvania. The RFI involved the evaluation of groundwater flow conditions in a fractured bedrock aquifer system and the design and implementation of a borehole geophysical logging program and packer tests to assess lithology and vertical groundwater flow conditions. Mr. Newton prepared progress reports throughout the RFI process that thoroughly documented the hydrogeological site conditions, which resulted in the USEPA granting approval to waive the requirement for an RFI report saving the client significant costs. He proposed and received USEPA approval for a corrective measure that included no further action with regard to soils and groundwater at the site, a reduction of long-term monitoring and utilization of an existing groundwater recovery system.

Pennsylvania Act 2 Remediation Project, Confidential Client, Chichester, Pennsylvania. Mr. Newton managed the field testing / sampling, risk assessment services and reporting for Act 2 Site Characterization and Cleanup Plan at vacant 50-acre site proposed as site of Chichester School District Site educational facility. The site was previously owned by a chemical company; contamination from pesticides was found in soil and groundwater in certain areas on site. Mr. Newton was responsible for developing / implementing Act 2 remediation strategy; preparing reports; providing cost estimates; providing QA/QC services; and regularly interacting with client and stakeholders. Mr. Newton assisted with the preparation of the Cleanup Plan and managed soil and sediment remediation in accordance with the Plan, which was approved by the PADEP in 2006. Quarterly groundwater and surface water sampling will be conducted to demonstrate attainment of groundwater and surface water remediation in accordance with the PADEP-approved Act 2 Cleanup Plan.

Honeywell International (f/k/a AlliedSignal), Morristown, New Jersey. Mr. Newton served as Project Manager for a RI/FS project in Morristown, New Jersey. He participated in all phases of the negotiations with the NJDEP to focus the scope of work to only known source areas. He evaluated the complex groundwater flow regime in glacial till and outwash sediments. Proposed no further action for groundwater based on a site-specific risk assessment and the continued use of a production well that eliminated the overall risk to offsite groundwater users.

Industrial Hygiene – Emergency Response

Hurricane Harvey Response. Partner conducted emergency response assessment actions in connection with the Hurricane Harvey event in southern Texas and Louisiana. The purpose of the assessment was to assist the Client in evaluating their modular units that may have experienced water intrusion/flooding associated with Hurricane Harvey. Partner mobilized four, two-man teams of industrial hygienists and environmental scientists to the Texas gulf coast region for a period of up to five weeks to assess over 500 modular units in the affected areas. Work was performed under difficult conditions as many areas of Houston and the surrounding areas were without electricity for several days and remained flooded. Partner's work included meeting with Client personnel to discuss specific health and safety requirements, preparing a health and safety plan, becoming familiar with the construction of the units to be able to identify key features on the modular units that may be impacted due to flooding or water intrusion, and field inspections.

Partner's project teams mobilized rapidly to the affected areas to perform the inspections of the units. The field work consisted of the following activities: site access coordination; visual observations of staining on the walls for evidence of the flood stage; review information from FEMA and other local authorities to assist with determining flood (water) levels; thermal imaging and direct read moisture probe assessment of the modular units to assess horizontal and vertical extent of wet building materials; inspection of structural features for evidence of flooding; levelness of the units; and recording the lat/long of the units (+/- 3 feet) using GPS to determine if the units moved during the flood event. Partner prepared daily reports of our findings using a spreadsheet, which along with the photos, were uploaded to Partner's SiteLynx program. Use of SiteLynx provided Client with real-time project information and a concise summary of our findings and observations.

Experience in Unconventional Shale Gas Plays

Confidential Oil & Gas Operator. Mr. Newton managed a stray gas project for an operator in Lycoming County, Pennsylvania. The objective of the study was in part, to distinguish the source (i.e. origin) of two different gases that were present in a gas well and two water wells, allegedly impacted by stray gas. Through the analysis of carbon and hydrogen isotope analyses of methane, a plot of the methane isotopes and ethane isotopes was prepared for the two affected wells. Because of the difference in the ethane isotopes between the two water wells, he successfully demonstrated that the two gases are from two different sources.

Confidential Oil & Gas Operator. Mr. Newton conducted a hydrogeologic study in an area of Bradford County, Pennsylvania to develop a conceptual site model for a stray gas event. As part of the study, Mr. Newton performed a fracture trace analysis, collected aqueous samples for isotope analysis, conducted a well survey, reviewed the local geology and designed a borehole geophysical program to develop a better understanding of the local geology and well construction details of the allegedly affected well.

Confidential Oil & Gas Operator. Mr. Newton served as Principal Hydrogeologist and independent third party consultant for a litigation case involving 11 plaintiffs in Susquehanna County who alleged that their water supply was impacted by stray gas. This work was performed under a PADEP Administrative Consent Order (ACO), which required samples to be collected bi-monthly for specific dissolved gas constituents. He was responsible for coordinating the water sampling with the Plaintiff's outside counsel and forwarding the laboratory reports to the client's outside counsel.

Confidential Oil & Gas Operator. Mr. Newton designed residential well replacement programs for several Marcellus Shale operators in Pennsylvania. Specifically, he utilized fracture trace analyses, borehole

geophysics, and packer tests to collect discrete groundwater samples for dissolved methane laboratory analyses in order to ensure the successful completion of the new water supply wells. In addition, short term step-drawdown tests were performed to ensure an adequate well yield and to properly size the submersible pumps. At one site, he designed a 'retro-fit' option for three existing residential wells that were allegedly affected by elevated methane concentrations. This work included the use of borehole geophysical logs, video logs and discrete groundwater samples. The retro fit option eliminated the need to drill a replacement well and allowed the homeowners to keep their original wells while reducing or eliminating the concentration of dissolved methane in groundwater without a treatment system, providing the client with a significant saving savings by eliminating long-term operation and maintenance of such a system.

Groundwater Resource Development

Mr. Newton's experience in groundwater resource development includes water supply projects and groundwater remediation systems. Several of the major projects where he served as Project Manager/Principal Hydrogeologist involved detailed hydrogeologic studies to identify potential locations for production wells at manufacturing facilities in Pennsylvania and New Jersey. These studies included fracture trace analyses, groundwater modeling, and installation of pilot test wells, borehole geophysics, and aquifer testing.

Confidential Fortune 500 Pharmaceutical Company. He designed and installed three high-capacity production wells (100 to 200-gallon per minute) in fractured bedrock, and conducted a 72-hour aquifer testing program, for a major pharmaceutical firm located in southeastern Pennsylvania. These wells served as both production well water and remedial wells for the plant-wide groundwater remediation system, and were permitted through the Delaware River Basin Commission.

Confidential Fortune 500 Industrial Company. Mr. Newton served as Project Manager for industrial clients involving water supply systems and hydrogeologic budget analyses (water balances). He designed and installed a pilot test well and production well for a Fortune 500 company located in northern New Jersey. The well was installed in a glacial outwash deposit that was delineated by Mr. Newton, in part through the analysis of borehole geophysical logs and geologic logs. The well was designed to yield 250 gallons per minute.

Affiliations

Pennsylvania Council of Professional Geologists
American Institute of Professional Geologists
Urban Land Institute
National Brownfields Association
RIMS
The Brownfield Coalition of the NE (BCONE)

Speaking

Marcellus Shale Coalition – Mr. Newton served as a co-chair for two technical committees in the MSC: Depth of Potable Water in Northeast Pennsylvania Technical Committee and co-chair of the Stray Gas Work Group.

Publications

Newton, Douglas, J., and Rauch, Henry, W., Analysis of *Photolineaments and Groundwater Chemistry Relative to **Devonian Shale Gas Production** in Martin County, Kentucky*, Masters Thesis, West Virginia University, May 1981.

Rauch, Henry, W., Newton, Douglas, et al. *Groundwater Chemistry Relative to High Yielding **Devonian Shale Gas Production** in Martin County, Kentucky.* Appalachian Petroleum Geology Proceedings, 1982.

Contact

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APPENDIX I

DRAINAGE STUDY AND PRELIMINARY WATER QUALITY MANAGEMENT PLAN

1st Submittal

Preliminary Drainage Report

Olive Avenue Development
Rialto, California
PM 20195

PPD# 2019-_____

Prepared for:

Oakmont Rialto Olive Grove, LLC

c/o Crow Holdings Industrial

527 W. 7th Street, Suite 308

Los Angeles, CA 90014

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OLIVE AVENUE DEVELOPMENT
PM 20195
PRELIMINARY DRAINAGE REPORT
PPD# 2019-____

JANUARY 2020 | PRELIMINARY

Prepared By:

Kimley»Horn

This Drainage Report has been prepared by Kimley-Horn and Associates, Inc. under the direct supervision of the following Registered Civil engineer. The undersigned attests to the technical data contained in this study, and to the qualifications of technical specialists providing engineering computations upon which the recommendations and conclusions are based.

PRELIMINARY

Registered Civil Engineer

Date

Table of Contents

1 Introduction 1-3

1.1 Project Description and Purpose 1-3

2 Project Setting 2-1

2.1 Topography 2-1

2.2 Precipitation 2-1

2.3 Watershed Description 2-1

2.4 Soil Types 2-1

2.5 Land Use 2-2

2.6 Groundwater 2-2

2.7 FEMA Mapping 2-2

3 Site Conditions 3-1

3.1 Existing Site Conditions 3-1

3.2 Proposed Site conditions 3-1

4 Hydrologic Analysis 4-1

4.1 Methodology 4-1

4.1.1 Geometry 4-1

4.1.2 Intensity and Time of Concentration 4-1

4.1.3 Curve Numbers and Loss Rates 4-1

4.2 Hydrologic Results 4-2

5 Water Quality and Low Impact Development Requirements 5-1

5.1 Stormwater Mitigation 5-1

5.1.1 Stormwater Treatment 5-1

5.1.2 Stormwater Maintenance 5-1

6 Hydraulics Analysis 6-2

6.1 Underground Detention 6-2

6.1.1 Underground Detention Standards 6-2

6.1.2 Underground Detention Analysis 6-2

6.1.3 Underground Detention Results 6-2

6.2 Hydraulic Analysis 6-4
6.2.1 Storm Drain Pipe Calculations 6-4
6.2.2 Inlet calculations 6-4
6.2.3 spillway 6-4

Figures

Figure 1–1 Project Location Map 1-3

Tables

Table 4–1 Existing Conditions Modified Rational Method Hydrology Results Summary 4-2
Table 4–2 Proposed Unmitigated Conditions Modified Rational Method Hydrology Results Summary (Unmitigated) 4-2
Table 6–1 100-Year Overflow Results Summary (PondPack) 6-3
Table 6–2 100-Year Detention Results Summary (PondPack) 6-3
Table 6–3 100-Year Detention Results Summary (PondPack) 6-3
Table 6–4 Proposed Conditions Rational Method Hydrology Driveway and Landscape Results Summary 6-3
Table 6–5 Mitigated 100-Year Discharge Compliance Comparison.....6-4

Appendices

Appendix A NOAA Atlas 14 Precipitation Estimates

Appendix B FEMA FIRMette, NRCS Web Soil Survey

Appendix C Drainage Exhibits

Appendix D Existing Conditions Hydrology AES Rational Method Results

Appendix E Proposed Conditions Hydraulic AES Rational Method Results

Appendix F Proposed Conditions Hydrology Unit Hydrograph Results

Appendix G Underground Chamber Analysis, PondPack Results

Appendix H Storm Drain Hydraulic Calculations

Appendix I FlowMaster Calculations

Appendix J Geotechnical Report

Appendix K Alternative Downstream Drainage Exhibit

1 INTRODUCTION

1.1 PROJECT DESCRIPTION AND PURPOSE

This Drainage Report is provided in support of the Precise Plan of Design (PPD) submittal for the proposed Olive Grove Business Park in Rialto, California.

The project site is approximately 31.6 acres and is located along W Baseline Road, east of the existing intersection of W Baseline Road and N Fitzgerald Avenue. The site encompasses two proposed buildings with a total of 678,744 square feet of building footprint. The buildings will include office and warehouse space.

The project site is currently undeveloped. See **Figure 1-1** for Project Location Map.

This drainage report includes the hydrologic analysis for the existing and proposed conditions, storm drain sizing, as well as the analysis of the onsite underground chamber system used to detain peak flows and infiltrate the water quality design capture volume. Refer to the site-specific Water Quality Management Plan for water quality treatment and analysis.

Figure 1–1 Project Location Map

2 PROJECT SETTING

2.1 TOPOGRAPHY

The existing topography drains from the northwest to the southeast corner of the site (approximately ranges from elevation 1393 to 1360). Overland flows exit the site along the southern project boundary and flows are collected in the existing storm inlets along the northern side of West Baseline Road, immediately adjacent to the project

2.2 PRECIPITATION

Precipitation values for the hydrologic analysis were determined from site specific precipitation frequency estimates published online in the NOAA Atlas 14. For this site (Rialto, California) the 100-year, 1-hour storm precipitation depth of 1.67 inches was used in both the storm water flow and volume calculations. The 2-year 6-hour and 24-hour depths of 1.77 inches and 3.28 inches, and the 100-year 6-hour and 24-hour depths of 4.08 inches and 7.57 inches, respectively. **Appendix A** contains the site-specific tabular output from NOAA Atlas 14.

2.3 WATERSHED DESCRIPTION

The project is relatively flat (<2%) and the regional topography slopes to the southeast. The project site is part of a larger drainage area tributary to the San Bernardino County Flood Control District Cactus Basin System. Runoff from this project will discharge into the Cactus Basin System. The Cactus Basin System is a network of five detention basins that are located between Cactus Avenue and Ayala Drive. These facilities are owned, operated and maintained by San Bernardino County Flood Control District. Based on review of the existing topography and storm drain networks, the project site discharges into Cactus Basin #2 via curb inlets in Baseline Road.

2.4 SOIL TYPES

The type of soil and soil conditions are major factors affecting infiltration and resultant storm water runoff. The Natural Resources Conservation Service (NRCS) has classified soils into four general hydrologic soil groups for comparing infiltration and runoff rates. The groups are based on properties that influence runoff, such as water infiltration rate, texture, natural discharge and moisture condition. The runoff potential is based on the amount of runoff at the end of a long duration storm that occurs after wetting and swelling of the soil not protected by vegetation.

Per the “Planning-Level Preliminary Geotechnical Investigation” prepared by Geotechnical Professionals, Inc on October 2, 2019, soils encountered were primarily sand and silty sand with varying amounts of gravel and cobbles. Undocumented fills fairly consistent with the natural soils and small boulders were also encountered. Preliminary infiltration testing indicates infiltration rates of 4.4 in/hr and 4.9 in/hr onsite, meaning infiltration is potentially feasible for the proposed project. The NRCS Web Soil Survey indicate Tujunga and Hanford soils (HSG type A), which are consistent with the findings in the geotechnical investigation. See **Appendix A** for NRCS soil information and **Appendix J** for geotechnical report.

2.5 LAND USE

The project site is located within the Airport-Related Development of Rialto Airport Specific Plan and is designated as I-AR (Airport Related Development Industrial Area) land use, which includes uses for a mixture of professional office, light industrial, research and development, business park, light manufacturing, assembly, and related storage and support services uses.

2.6 GROUNDWATER

According to the "Planning-Level Preliminary Geotechnical Investigation" prepared by Geotechnical Professionals, Inc on October 2, 2019, groundwater was not encountered during explorations drilled to a maximum depth of 36 feet below ground surface. The report references that published data by the California Department of Water Resources indicates that groundwater is deeper than 400 feet below ground surface. See **Appendix J** for geotechnical report.

2.7 FEMA MAPPING

The project site is covered by Map Number 06071C8657H of the FEMA Flood Insurance Rate Map (FIRM) for San Bernardino County, California and Incorporated Areas. The City of Rialto, community number 060280, is included in this FIRM. None of the project area is within a FEMA–mapped special flood hazard area. The site is classified as Zone X, which is an area of minimal flooding. The effective FEMA map is dated August 28, 2008 and is provided in **Appendix B.**

3 SITE CONDITIONS

3.1 EXISTING SITE CONDITIONS

The site is located along Baseline Road approximately 360 feet east of N Fitzgerald Avenue and 1,320 feet west of N Cactus Avenue. Based upon survey and field observation, the flows from the northwest sheet flow to the southeast corner where flows are collected by existing curb inlets that discharge into Cactus Basin #2. The estimated existing Q100 flow from the project site to the Cactus Basin #2 is 48.39 cfs. Refer to the Existing Drainage Exhibit, included in **Appendix C.**

3.2 PROPOSED SITE CONDITIONS

Proposed site topography and storm drain routing creates four main drainage areas onsite. Runoff from each of the four drainage areas will surface flow to proposed storm drain inlets where it will be captured and conveyed to an underground chamber system for infiltration and detention. There are four underground chamber systems proposed onsite. Mitigated flows will be released through outlet structures with energy dissipation and will flow across the public right of way via curb outlets.

Kimley-Horn is proposing to reduce the allowable discharge of 48.39 cfs by 76% to mitigate flows and prevent the flooding of Baseline Road. Kimley-Horn has provided an alternate design for construction of a storm drain line within Baseline Road to discharge the mitigated flows via underground piping. This alternative will be pursued to reduce the underground infrastructure for the 100-year detention requirements. The alternative is provided in **Appendix K**. The remainder of onsite runoff adjacent to Baseline Road (DA 5) will be captured within landscape drains and will flow across the public right of way via curb outlets.

The site hydrologic basins were delineated based on the proposed grading. Refer to the Proposed Drainage Exhibit, included within **Appendix C**.

4 HYDROLOGIC ANALYSIS

4.1 METHODOLOGY

Runoff calculations were prepared using the Modified Rational Method and the methodology described in Section D of the San Bernardino County Hydrology Manual (August 1986). AES HydroWin software (San Bernardino module) was used to estimate time of concentration and 100-year peak flow rate generated from the existing/ pre-developed conditions (see **Appendix D**).

Unit hydrographs were prepared using the methodology described in Section E of the San Bernardino County Hydrology Manual to determine the 100-year storm water volume. AES HydroWin software (San Bernardino module) was used to estimate the 100-year flow rate (**Appendix E**) and the 100-year volume over a 24-hour period for the proposed condition (see **Appendix F**).

A stage-storage analysis in conjunction with the peak flow rates and volumes from AES was prepared for the purposes of sizing and analyzing the proposed underground chamber system. The stage-storage analysis and the hydrographs from AES were imported into PondPack to determine the required detained storage volume (100-year) to mitigate proposed flows equal to, or less than, existing conditions.

4.1.1 GEOMETRY

Drainage Areas were delineated for the project site's existing and proposed drainage conditions. Existing elevations, slopes and flow paths were established from the topography available at the time of this drainage study. Proposed elevations, slopes and flow paths were based on the proposed site grading plan. These hydrologic parameters are shown for existing and proposed conditions on Drainage Exhibits in **Appendix C**.

4.1.2 INTENSITY AND TIME OF CONCENTRATION

Rainfall depths were manually input into AES based on the NOAA Atlas 14 rainfall depths shown in **Appendix A**. The existing and proposed conditions time of concentrations were calculated within AES given each drainage area's characteristics.

The time of concentration calculated from the Modified Rational Method was used to calculate the lag time necessary to develop the unit hydrographs within the AES software.

4.1.3 CURVE NUMBERS AND LOSS RATES

The Antecedent Moisture Condition (AMC) is a common index used to describe how saturated a soil is before the design storm occurs. AMC III, which assumes the watershed is already saturated, was used for the 100-year storm analysis. The San Bernardino County Hydrology Manual provides Curve Numbers of Hydrologic Soil-Cover for AMC II. These AMC II Curve Numbers can be converted to AMC III Curve Numbers manually by use of Table C.1 from the San Bernardino County Hydrology Manual. However, AES automatically does this conversion within the program analysis. The existing condition's land use consists of annual grass with fair ground cover. The proposed condition's land use is predominantly impervious with commercial landscaping.

Loss Rates were calculated by using the methodology presented in Section C.6 of the San Bernardino County Hydrology Manual. The Loss Rate calculation is a function of the Curve Number, Initial Abstraction and 24-hour rainfall depth, and was used to develop the unit hydrographs.

4.2 HYDROLOGIC RESULTS

Rational Method hydrologic results are summarized below for the existing conditions in **Table 4-1**. Refer to **Appendix D** and **Appendix E** for the existing and proposed conditions hydrology analysis respectively.

Table 4–1 Existing Conditions Modified Rational Method Hydrology Results Summary

Existing Conditions Rational Method Onsite Flow Rate (CFS)			
	DA 1	DA 2	Total
Total Tributary Area (AC)	19.2	12.4	31.6
100-Year Storm Event	30.54	17.85	48.39

Below, results shown in **Table 4-2**, are the proposed conditions peak flow rate from the AES modified rational method analysis.

Table 4–2 Proposed Unmitigated Conditions Modified Rational Method Hydrology Results Summary (Unmitigated)

Proposed Unmitigated Conditions Modified Rational Method Onsite Flow Rate (CFS)						
	DA 1	DA 2	DA 3	DA 4	DA 5	*Total*
Tributary Area (AC)	*6.5*	*9.6*	*5.9*	*8.4*	*1.2*	***31.6***
100 Year Storm Event	22.31	27.15	21.30	27.55	*2.02*	***100.33***

5 WATER QUALITY AND LOW IMPACT DEVELOPMENT REQUIREMENTS

5.1 STORMWATER MITIGATION

5.1.1 STORMWATER TREATMENT

The proposed project will provide water quality by means of infiltration. The required Design Capture Volume will be infiltrated fully within the proposed underground chamber systems. Refer to site-specific Water Quality Management Plan for water quality treatment and analysis. Sediment rows are included in each underground chamber system for pretreatment prior to infiltration. It is critical to minimize compaction and protect areas designated for water quality to ensure the effectiveness of the underground infiltration systems.

5.1.2 STORMWATER MAINTENANCE

Stormwater facilities require routine maintenance to operate efficiently. It is recommended that facilities be inspected prior to the rainy season (fall) and after each runoff producing storm event. Sediment and debris shall be removed from the system to maintain the system's effectiveness. The underground detention facilities shall be routinely inspected, and sediment/debris build up removed to maintain efficient operation of each facility.

6 HYDRAULICS ANALYSIS

6.1 UNDERGROUND DETENTION

6.1.1 UNDERGROUND DETENTION STANDARDS

The proposed underground detention facility was designed using the methodology described in San Bernardino County's Technical Guidance Document for Water Quality Management Plans. This document states that:

- The retained volume must be drawn down within 48 hours after the basin is filled.
- An emergency overflow pipe to control excess flows must be provided.

To prevent the flooding of Baseline Road in the 100-year storm event, the project proposes to detain and infiltrate a greater volume than required to meet predevelopment conditions. BMP 1 and 4, located along the southern boundary of the project, are designed as detention basins to mitigate outflows. Overflows exceeding the combined calculated flooding threshold of 12 cfs from BMP 1 and 4 are then routed to BMP 2 and 3, respectively, for full infiltration.

To reduce the underground basin volumes, Kimley-Horn is proposing an alternate storm drain connection along Baseline Road to allow the project to discharge equal to the predevelopment conditions. This alternative is shown in **Appendix K**.

6.1.2 UNDERGROUND DETENTION ANALYSIS

A basin inflow hydrograph was created using AES computer software for the 100-year storm event. The resulting hydrograph was manually imported into the PondPack computer software to use for the underground detention routing calculations. Per the Preliminary Geotechnical Investigation, measured infiltration rates onsite were averaged to 4.65 in/hr. A safety factor of 3.0 was assigned based on the San Bernardino County guidelines. The underground detention facilities were designed by applying the effective infiltration at a constant rate.

6.1.3 UNDERGROUND DETENTION RESULTS

The proposed underground detention facilities will provide detention for the delta 100-year volume as discussed in **Section 6.1.1** above. See underground detention routing calculations in **Appendix G** prepared with the PondPack Computer program. The analysis was performed using the 100-year hydrograph to achieve the required detention storage volume.

Mitigated flows from BMP 1 and BMP 4 will discharge via outlet structure and under sidewalk drains (see **Section 6.2.3** for further information). Overflows from BMP 1 and 4 are routed to BMP 2 and 3, respectively, and. See **Table 6-**1 for overflow routing, and **Table 6-2** for PondPack summary. Refer to **Appendix G** for all detention design details and analysis results from PondPack.

Table 6–1 100-Year Overflow Results Summary (PondPack)

Basin ID	Overflow (cfs)	Overflow Volume (CF)	Overflow Basin Routing
1	8.95	35,521	BMP 2
4	13.96	36,486	BMP 3
Total	22.91	72,007	

Table 6–2 100-Year Detention Results Summary (PondPack)

Basin ID	Underground Detention Inflow (cfs)	Underground Detention Outflow (cfs)	Detained Volume (CF)
1	20.88	4.49	53,688
2	35.17	0	125,249
3	31.12	0	95,359
4	26.99	5.10	62,661
Total	114.16	9.59	336,957

Based on the dead storage of each underground chamber system, the drawdown was calculated to ensure compliance with the 48-hour drawdown requirement. The results are shown below in **Table 6-3**.

Table 6–3 100-Year Detention Results Summary (PondPack)

Basin ID	Dead Storage (ft)	Drawdown (hr)
1	4.25	32.90
2	2.52	19.51
3	2.52	19.51
4	4.75	36.77

In order to mitigate the runoff created by proposed driveway and landscape areas as part of DA 5, the corresponding flow rates were subtracted from the total allowable discharge. The corresponding flow rate is shown in **Table 6-4**. A 5-minute time of concentration was assumed.

Table 6–4 Proposed Conditions Rational Method Hydrology Driveway and Landscape Results Summary

Proposed Conditions Rational Method Onsite Driveway and Landscape Runoff Flow Rate (CFS)	
	DA 5
Total Tributary Area	**1.2 acres**

100 Year Storm Event	**2.02 cfs**

Table 6-5 summarizes the total flows discharging from the project site.

Table 6–5 Mitigated 100-Year Discharge Compliance Comparison

DA1	DA2	DA3	DA4	DA5	Total Mitigated (cfs)	Total Pre-Development (cfs)	Percent Reduction (%)
4.49	0	0	5.10	2.02	11.61	48.39	76

6.2 HYDRAULIC ANALYSIS

6.2.1 STORM DRAIN PIPE CALCULATIONS

Storm drain pipe sizes have been preliminarily estimated using the AES normal depth calculation. The proposed strom drain will be modeled into a hydraulic modeling software during final design to size the proposed storm drain pipes. Hydraulic calculation output will be shown in **Appendix H** during final design.

6.2.2 INLET CALCULATIONS

Proposed storm drain inlets will be sized using FlowMaster during final design. Calculation output will be shown in **Appendix I.**

6.2.3 SPILLWAY

Mitigated discharge from the proposed underground chamber systems will be conveyed by underground storm drain to the southern property boundary where it will discharge through outlet structures with energy dissipation. Curb outlets are proposed to convey overflow across the public right of way. See **Appendix I** for calculations.

APPENDICES

APPENDIX A

NOAA ALTAS 14 PRECIPITATION ESTIMATES

NOAA Atlas 14, Volume 6, Version 2
Location name: Rialto, California, USA*
Latitude: 34.1226°, Longitude: -117.3928°
Elevation: 1382.52 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**1.55** (1.28-1.87)	**2.04** (1.69-2.47)	**2.70** (2.23-3.29)	**3.24** (2.66-3.98)	**3.98** (3.17-5.08)	**4.57** (3.55-5.94)	**5.18** (3.92-6.90)	**5.82** (4.28-7.98)	**6.71** (4.73-9.60)	**7.40** (5.05-11.0)
10-min	**1.10** (0.918-1.34)	**1.46** (1.21-1.78)	**1.93** (1.60-2.35)	**2.32** (1.91-2.85)	**2.86** (2.27-3.64)	**3.28** (2.55-4.26)	**3.71** (2.81-4.95)	**4.17** (3.07-5.72)	**4.81** (3.39-6.88)	**5.31** (3.62-7.88)
15-min	**0.892** (0.740-1.08)	**1.18** (0.980-1.43)	**1.56** (1.29-1.90)	**1.87** (1.54-2.30)	**2.30** (1.83-2.93)	**2.64** (2.05-3.44)	**2.99** (2.27-3.99)	**3.36** (2.48-4.61)	**3.87** (2.73-5.54)	**4.28** (2.92-6.35)
30-min	**0.666** (0.554-0.808)	**0.880** (0.732-1.07)	**1.16** (0.964-1.42)	**1.40** (1.15-1.72)	**1.72** (1.37-2.19)	**1.97** (1.53-2.57)	**2.24** (1.70-2.98)	**2.51** (1.85-3.45)	**2.89** (2.04-4.14)	**3.20** (2.18-4.74)
60-min	**0.497** (0.414-0.603)	**0.657** (0.546-0.799)	**0.869** (0.720-1.06)	**1.04** (0.858-1.28)	**1.29** (1.02-1.64)	**1.47** (1.15-1.92)	**1.67** (1.27-2.23)	**1.88** (1.38-2.57)	**2.16** (1.53-3.09)	**2.39** (1.63-3.54)
2-hr	**0.372** (0.310-0.452)	**0.484** (0.402-0.588)	**0.630** (0.522-0.768)	**0.750** (0.616-0.922)	**0.914** (0.726-1.16)	**1.04** (0.808-1.35)	**1.17** (0.886-1.56)	**1.30** (0.960-1.79)	**1.49** (1.05-2.13)	**1.63** (1.11-2.42)
3-hr	**0.313** (0.261-0.380)	**0.405** (0.337-0.492)	**0.525** (0.435-0.639)	**0.622** (0.511-0.764)	**0.754** (0.599-0.959)	**0.855** (0.665-1.11)	**0.958** (0.726-1.28)	**1.07** (0.784-1.46)	**1.21** (0.854-1.73)	**1.32** (0.901-1.96)
6-hr	**0.229** (0.191-0.278)	**0.295** (0.245-0.358)	**0.380** (0.315-0.463)	**0.448** (0.368-0.551)	**0.540** (0.429-0.687)	**0.610** (0.474-0.793)	**0.681** (0.516-0.907)	**0.753** (0.554-1.03)	**0.850** (0.600-1.22)	**0.926** (0.630-1.37)
12-hr	**0.154** (0.128-0.187)	**0.199** (0.165-0.241)	**0.256** (0.212-0.312)	**0.301** (0.248-0.370)	**0.362** (0.288-0.461)	**0.408** (0.317-0.530)	**0.454** (0.344-0.604)	**0.500** (0.368-0.686)	**0.562** (0.396-0.804)	**0.609** (0.415-0.903)
24-hr	**0.105** (0.093-0.121)	**0.137** (0.121-0.158)	**0.177** (0.156-0.205)	**0.209** (0.183-0.244)	**0.252** (0.213-0.303)	**0.284** (0.235-0.349)	**0.315** (0.255-0.397)	**0.347** (0.274-0.450)	**0.389** (0.295-0.525)	**0.422** (0.308-0.588)
2-day	**0.064** (0.057-0.074)	**0.085** (0.076-0.098)	**0.113** (0.099-0.130)	**0.135** (0.118-0.157)	**0.164** (0.139-0.198)	**0.187** (0.155-0.230)	**0.209** (0.170-0.264)	**0.232** (0.183-0.301)	**0.264** (0.199-0.355)	**0.287** (0.210-0.401)
3-day	**0.046** (0.040-0.053)	**0.062** (0.055-0.071)	**0.083** (0.073-0.096)	**0.101** (0.088-0.117)	**0.124** (0.105-0.150)	**0.143** (0.119-0.176)	**0.162** (0.131-0.204)	**0.182** (0.143-0.235)	**0.209** (0.158-0.281)	**0.230** (0.168-0.321)
4-day	**0.037** (0.032-0.042)	**0.050** (0.044-0.058)	**0.068** (0.060-0.079)	**0.083** (0.073-0.097)	**0.103** (0.088-0.125)	**0.120** (0.099-0.147)	**0.136** (0.110-0.172)	**0.154** (0.121-0.199)	**0.178** (0.134-0.240)	**0.197** (0.144-0.275)
7-day	**0.024** (0.021-0.027)	**0.033** (0.029-0.038)	**0.045** (0.040-0.052)	**0.055** (0.048-0.065)	**0.070** (0.059-0.084)	**0.081** (0.067-0.099)	**0.092** (0.075-0.116)	**0.105** (0.082-0.135)	**0.122** (0.092-0.164)	**0.135** (0.099-0.189)
10-day	**0.018** (0.016-0.021)	**0.025** (0.022-0.029)	**0.035** (0.031-0.040)	**0.043** (0.037-0.050)	**0.054** (0.046-0.065)	**0.063** (0.052-0.077)	**0.072** (0.058-0.091)	**0.082** (0.064-0.106)	**0.095** (0.072-0.128)	**0.106** (0.078-0.148)
20-day	**0.011** (0.010-0.013)	**0.015** (0.014-0.018)	**0.021** (0.019-0.025)	**0.026** (0.023-0.031)	**0.034** (0.028-0.040)	**0.039** (0.033-0.048)	**0.045** (0.037-0.057)	**0.052** (0.041-0.067)	**0.061** (0.046-0.082)	**0.068** (0.050-0.095)
30-day	**0.009** (0.008-0.010)	**0.012** (0.011-0.014)	**0.017** (0.015-0.019)	**0.021** (0.018-0.024)	**0.027** (0.022-0.032)	**0.031** (0.026-0.038)	**0.036** (0.029-0.045)	**0.041** (0.033-0.054)	**0.049** (0.037-0.066)	**0.055** (0.040-0.077)
45-day	**0.007** (0.006-0.008)	**0.010** (0.008-0.011)	**0.013** (0.012-0.015)	**0.016** (0.014-0.019)	**0.021** (0.018-0.025)	**0.025** (0.021-0.031)	**0.029** (0.023-0.036)	**0.033** (0.026-0.043)	**0.039** (0.030-0.053)	**0.044** (0.032-0.062)
60-day	**0.006** (0.005-0.007)	**0.008** (0.007-0.010)	**0.011** (0.010-0.013)	**0.014** (0.012-0.017)	**0.018** (0.015-0.022)	**0.021** (0.018-0.026)	**0.025** (0.020-0.031)	**0.029** (0.022-0.037)	**0.034** (0.026-0.046)	**0.038** (0.028-0.054)

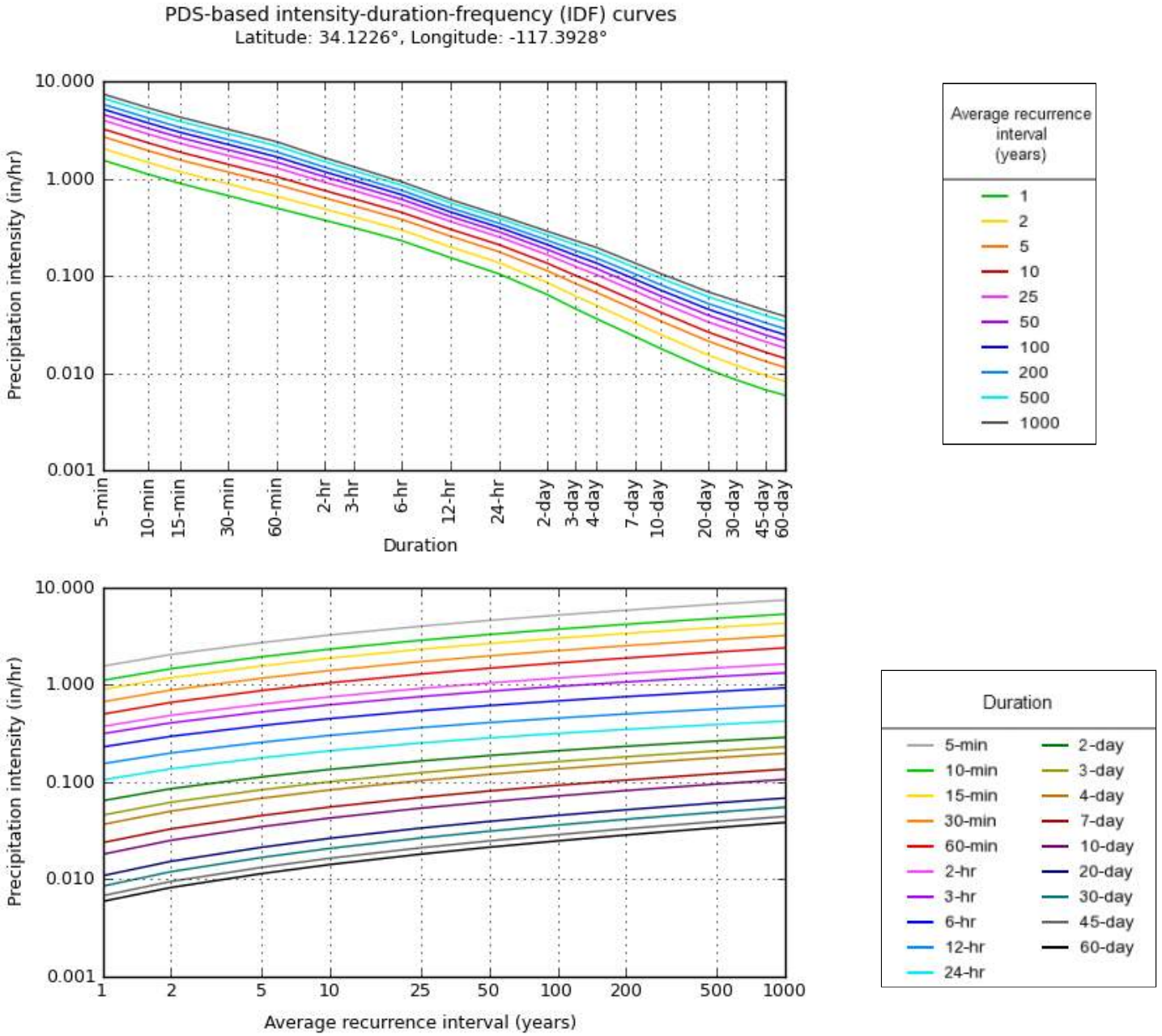
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical



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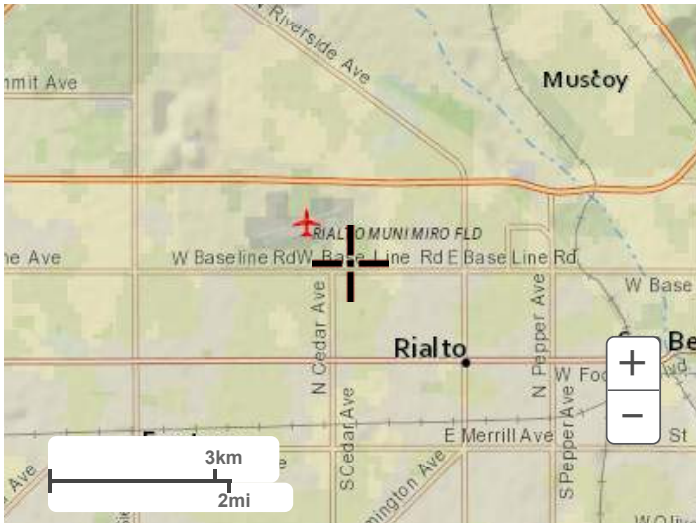
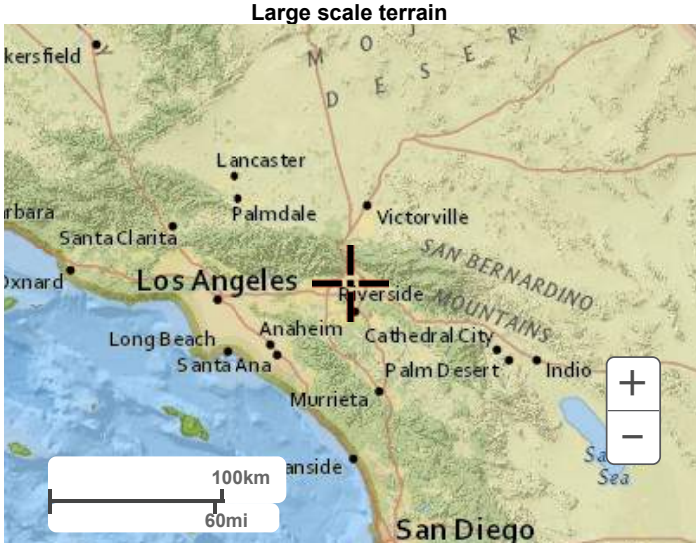
Back to Top

Maps & aerials

Small scale terrain



Large scale terrain



Large scale map

Large scale aerial

Back to Top

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National Weather Service
National Water Center
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Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

NOAA Atlas 14, Volume 6, Version 2
Location name: Rialto, California, USA*
Latitude: 34.1224°, Longitude: -117.3901°
Elevation: 1374.69 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.129** (0.107-0.156)	**0.170** (0.141-0.206)	**0.225** (0.186-0.274)	**0.270** (0.222-0.332)	**0.332** (0.264-0.423)	**0.381** (0.296-0.495)	**0.432** (0.327-0.575)	**0.485** (0.357-0.665)	**0.559** (0.394-0.800)	**0.617** (0.421-0.916)
10-min	**0.184** (0.153-0.224)	**0.243** (0.202-0.296)	**0.322** (0.267-0.392)	**0.387** (0.318-0.475)	**0.476** (0.378-0.606)	**0.546** (0.425-0.710)	**0.619** (0.469-0.825)	**0.695** (0.512-0.953)	**0.801** (0.565-1.15)	**0.885** (0.603-1.31)
15-min	**0.223** (0.185-0.270)	**0.294** (0.245-0.358)	**0.389** (0.323-0.474)	**0.468** (0.384-0.575)	**0.576** (0.457-0.732)	**0.661** (0.513-0.859)	**0.748** (0.567-0.997)	**0.840** (0.619-1.15)	**0.968** (0.683-1.39)	**1.07** (0.729-1.59)
30-min	**0.333** (0.277-0.404)	**0.440** (0.366-0.535)	**0.582** (0.482-0.709)	**0.699** (0.574-0.859)	**0.861** (0.683-1.10)	**0.987** (0.767-1.28)	**1.12** (0.848-1.49)	**1.26** (0.925-1.72)	**1.45** (1.02-2.07)	**1.60** (1.09-2.37)
60-min	**0.497** (0.414-0.603)	**0.657** (0.546-0.799)	**0.869** (0.720-1.06)	**1.04** (0.858-1.28)	**1.29** (1.02-1.64)	**1.47** (1.15-1.92)	**1.67** (1.27-2.23)	**1.88** (1.38-2.57)	**2.16** (1.53-3.09)	**2.39** (1.63-3.54)
2-hr	**0.744** (0.619-0.903)	**0.968** (0.804-1.18)	**1.26** (1.05-1.54)	**1.50** (1.23-1.84)	**1.83** (1.45-2.32)	**2.08** (1.62-2.70)	**2.34** (1.77-3.12)	**2.61** (1.92-3.58)	**2.98** (2.10-4.26)	**3.26** (2.22-4.84)
3-hr	**0.941** (0.783-1.14)	**1.22** (1.01-1.48)	**1.58** (1.31-1.92)	**1.87** (1.54-2.30)	**2.26** (1.80-2.88)	**2.57** (2.00-3.34)	**2.88** (2.18-3.84)	**3.20** (2.36-4.39)	**3.63** (2.56-5.20)	**3.97** (2.71-5.89)
6-hr	**1.37** (1.14-1.67)	**1.77** (1.47-2.15)	**2.27** (1.88-2.77)	**2.68** (2.21-3.30)	**3.23** (2.57-4.11)	**3.65** (2.84-4.75)	**4.08** (3.09-5.43)	**4.51** (3.32-6.19)	**5.09** (3.59-7.29)	**5.54** (3.78-8.22)
12-hr	**1.86** (1.54-2.25)	**2.39** (1.99-2.91)	**3.08** (2.55-3.76)	**3.63** (2.99-4.46)	**4.36** (3.47-5.55)	**4.91** (3.82-6.39)	**5.47** (4.14-7.28)	**6.02** (4.44-8.26)	**6.77** (4.78-9.69)	**7.34** (5.00-10.9)
24-hr	**2.52** (2.23-2.90)	**3.28** (2.90-3.78)	**4.25** (3.75-4.92)	**5.02** (4.39-5.86)	**6.04** (5.12-7.28)	**6.81** (5.65-8.37)	**7.57** (6.13-9.53)	**8.33** (6.57-10.8)	**9.35** (7.07-12.6)	**10.1** (7.40-14.1)
2-day	**3.08** (2.73-3.55)	**4.10** (3.63-4.73)	**5.41** (4.77-6.26)	**6.47** (5.66-7.54)	**7.89** (6.68-9.50)	**8.97** (7.44-11.0)	**10.1** (8.14-12.7)	**11.2** (8.80-14.5)	**12.7** (9.57-17.1)	**13.8** (10.1-19.3)
3-day	**3.29** (2.91-3.79)	**4.46** (3.94-5.14)	**5.99** (5.28-6.93)	**7.24** (6.34-8.45)	**8.96** (7.59-10.8)	**10.3** (8.54-12.7)	**11.7** (9.45-14.7)	**13.1** (10.3-16.9)	**15.0** (11.4-20.3)	**16.5** (12.1-23.1)
4-day	**3.51** (3.11-4.05)	**4.81** (4.25-5.55)	**6.53** (5.76-7.56)	**7.96** (6.96-9.28)	**9.93** (8.41-12.0)	**11.5** (9.52-14.1)	**13.1** (10.6-16.5)	**14.7** (11.6-19.1)	**17.1** (12.9-23.0)	**18.9** (13.8-26.4)
7-day	**4.00** (3.54-4.61)	**5.54** (4.90-6.39)	**7.59** (6.70-8.78)	**9.30** (8.14-10.8)	**11.7** (9.90-14.1)	**13.6** (11.3-16.7)	**15.5** (12.6-19.5)	**17.6** (13.9-22.8)	**20.4** (15.5-27.6)	**22.7** (16.6-31.7)
10-day	**4.34** (3.84-5.00)	**6.04** (5.34-6.97)	**8.32** (7.34-9.63)	**10.2** (8.96-11.9)	**12.9** (10.9-15.6)	**15.0** (12.5-18.5)	**17.2** (14.0-21.7)	**19.6** (15.4-25.4)	**22.9** (17.3-30.8)	**25.5** (18.6-35.6)
20-day	**5.22** (4.62-6.02)	**7.35** (6.50-8.48)	**10.2** (9.03-11.8)	**12.7** (11.1-14.8)	**16.1** (13.7-19.4)	**18.9** (15.7-23.2)	**21.8** (17.6-27.4)	**24.9** (19.6-32.2)	**29.3** (22.1-39.5)	**32.8** (24.0-45.8)
30-day	**6.13** (5.42-7.06)	**8.64** (7.64-9.96)	**12.1** (10.6-14.0)	**15.0** (13.1-17.5)	**19.1** (16.2-23.1)	**22.5** (18.7-27.6)	**26.0** (21.1-32.8)	**29.8** (23.5-38.6)	**35.3** (26.7-47.5)	**39.7** (29.0-55.4)
45-day	**7.32** (6.48-8.44)	**10.3** (9.08-11.8)	**14.3** (12.6-16.6)	**17.8** (15.6-20.8)	**22.8** (19.3-27.4)	**26.8** (22.2-32.9)	**31.1** (25.2-39.2)	**35.7** (28.2-46.3)	**42.4** (32.1-57.2)	**47.9** (35.0-66.8)
60-day	**8.54** (7.56-9.84)	**11.9** (10.5-13.7)	**16.5** (14.5-19.1)	**20.4** (17.9-23.8)	**26.1** (22.1-31.5)	**30.8** (25.5-37.8)	**35.7** (28.9-45.0)	**41.1** (32.4-53.2)	**48.9** (37.0-65.9)	**55.3** (40.4-77.2)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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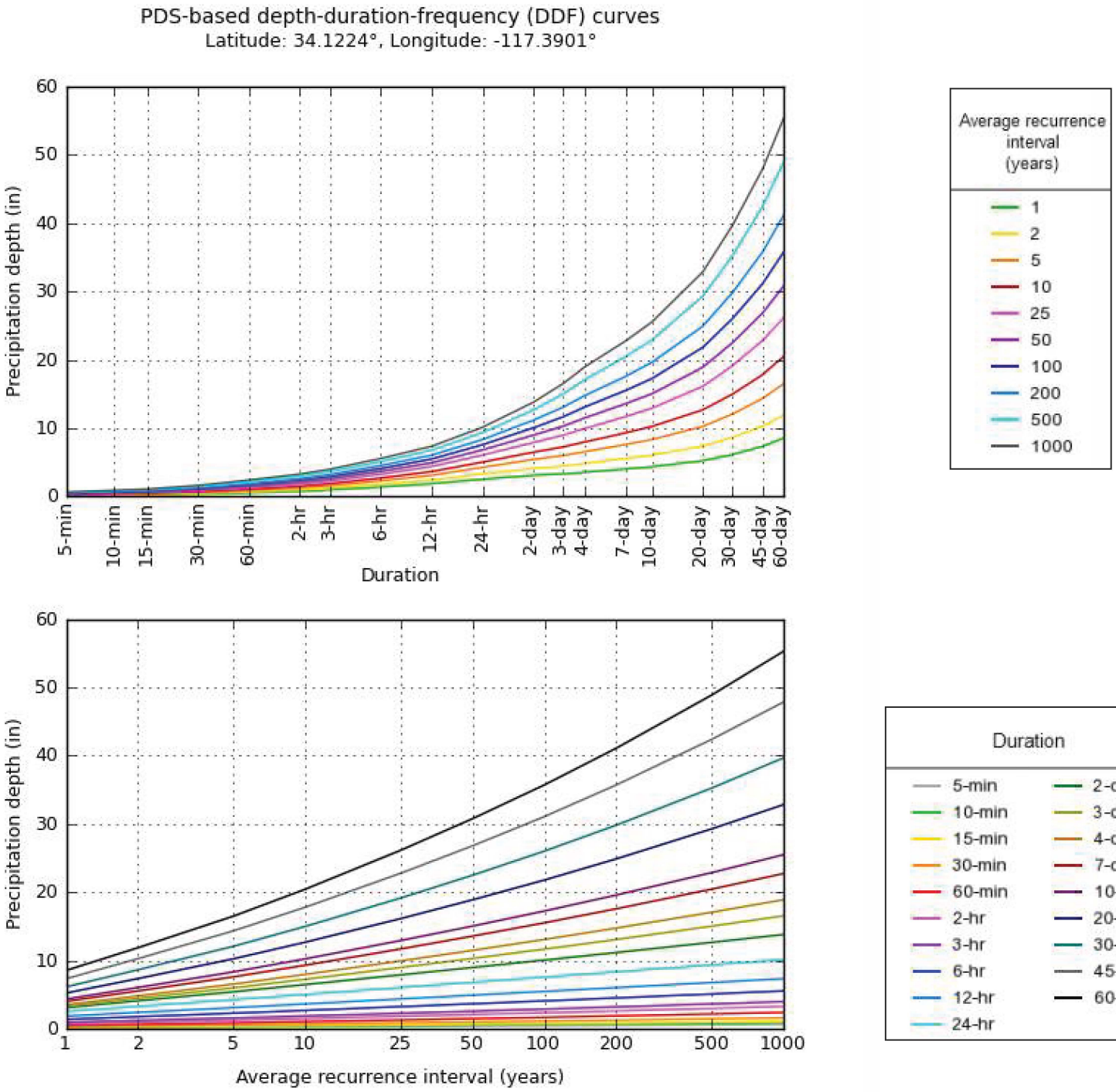
Back to Top

PF graphical



NOAA Atlas 14, Volume 6, Version 2

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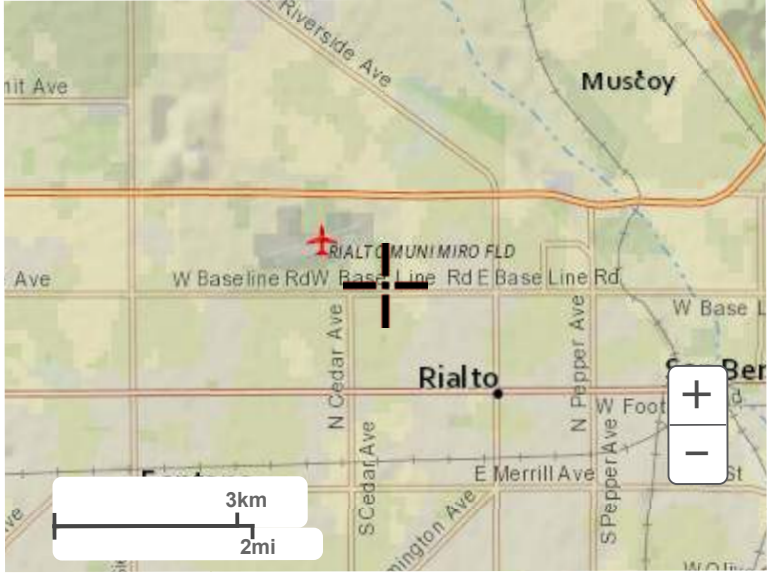
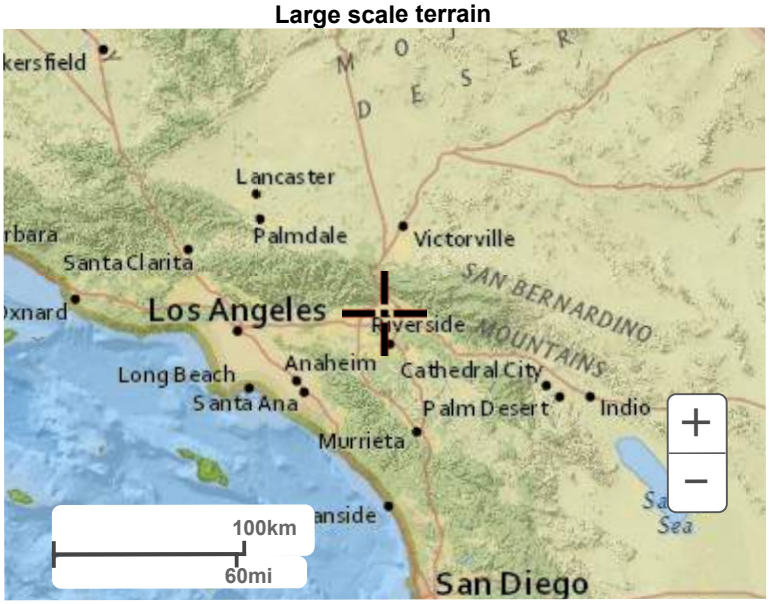
Back to Top

Maps & aerials

Small scale terrain



Large scale terrain



Large scale map

Large scale aerial

Back to Top

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Silver Spring, MD 20910
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APPENDIX B

FEMA FIRMETTE

NRCS WEB SOIL SURVEY

National Flood Hazard Layer FIRMette

FEMA

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/9/2019 at 7:56:02 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

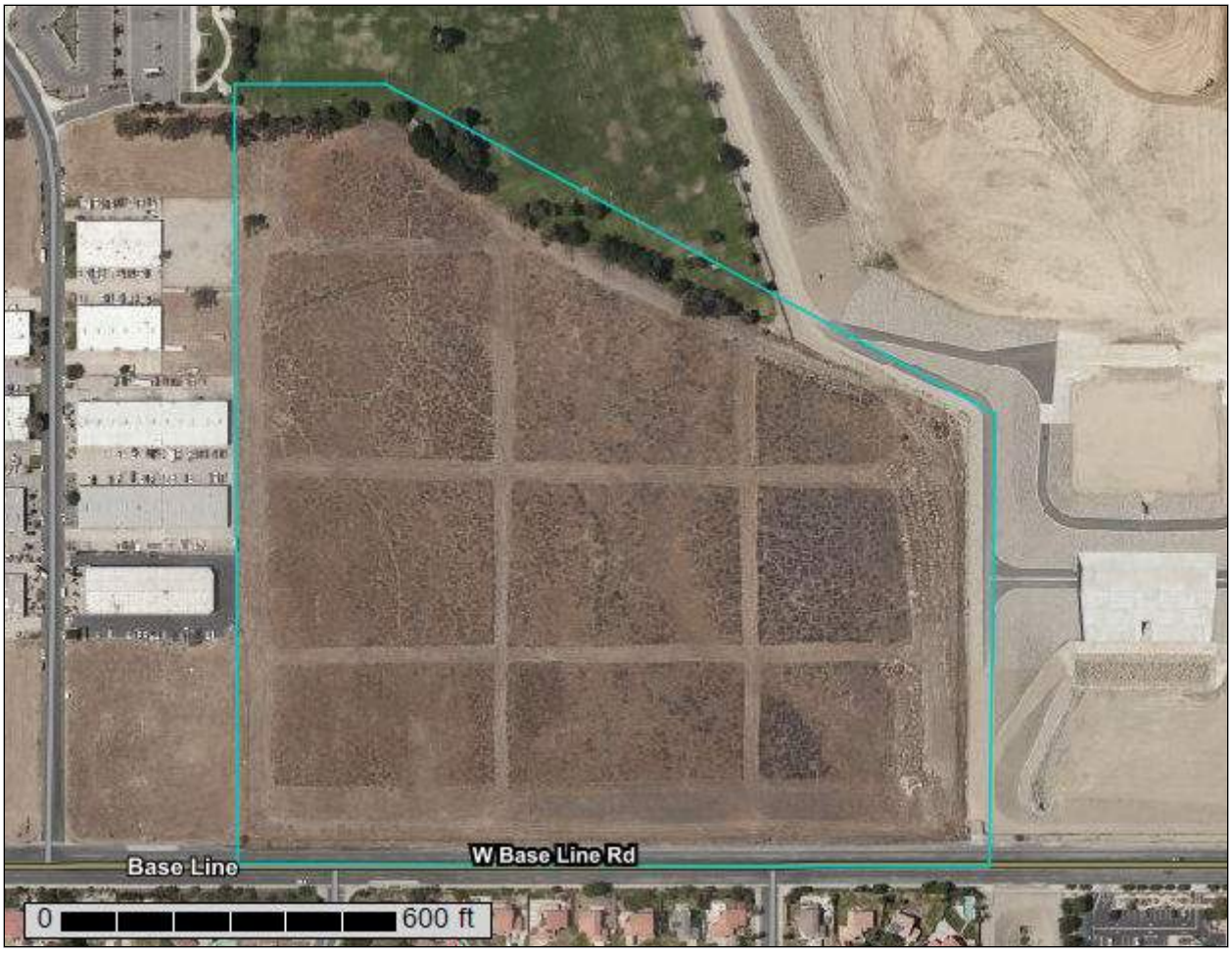
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Bernardino County Southwestern Part, California



November 19, 2019

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

Preface.....2
How Soil Surveys Are Made.....5
Soil Map.....8
Soil Map.....9
Legend.....10
Map Unit Legend.....12
Map Unit Descriptions.....12
San Bernardino County Southwestern Part, California.....14
HaC—Hanford coarse sandy loam, 2 to 9 percent slopes.....14
TvC—Tujunga gravelly loamy sand, 0 to 9 percent slopes.....15
References.....17

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:3,210 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 45 90 180 270

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County Southwestern Part, California
Survey Area Data: Version 11, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 1, 2018—Jun 30, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

MAP LEGEND

MAP INFORMATION

imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
HaC	Hanford coarse sandy loam, 2 to 9 percent slopes	14.1	39.2%
TvC	Tujunga gravelly loamy sand, 0 to 9 percent slopes	21.8	60.8%
Totals for Area of Interest		**35.9**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Bernardino County Southwestern Part, California

HaC—Hanford coarse sandy loam, 2 to 9 percent slopes

Map Unit Setting

National map unit symbol: hck3
Elevation: 150 to 900 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 250 to 280 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Hanford and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hanford

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 12 inches: sandy loam
H2 - 12 to 60 inches: fine sandy loam

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Greenfield, sandy loam

Percent of map unit: 10 percent
Hydric soil rating: No

Tujunga, loamy sand
Percent of map unit: 5 percent
Hydric soil rating: No

TvC—Tujunga gravelly loamy sand, 0 to 9 percent slopes

Map Unit Setting
National map unit symbol: hcl2
Elevation: 10 to 1,500 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 59 to 64 degrees F
Frost-free period: 250 to 350 days
Farmland classification: Not prime farmland

Map Unit Composition
Tujunga and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tujunga

Setting
Landform: Alluvial fans
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Typical profile
H1 - 0 to 36 inches: gravelly loamy sand
H2 - 36 to 60 inches: gravelly sand

Properties and qualities
Slope: 0 to 9 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: Low (about 3.8 inches)

Interpretive groups
Land capability classification (irrigated): 4s
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 5 percent
Landform: Drainageways
Hydric soil rating: Yes

Soboba, gravelly loamy sand

Percent of map unit: 5 percent
Hydric soil rating: No

Delhi, fine sand

Percent of map unit: 5 percent
Hydric soil rating: No

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

APPENDIX C

EXISTING DRAINAGE EXHIBIT

PROPOSED DRAINAGE EXHIBIT

Plotted By: Abais, Kay Sheet Set: Kha Layout: Layout1 January 09, 2020 11:42:50am \\Sndfp01\ca_snd1\SND_LDEV\195195001 – Crow Holdings – Olive Grove Rialto\Drainage\Drainage Study\Exhibit\Existing Drainage.dwg

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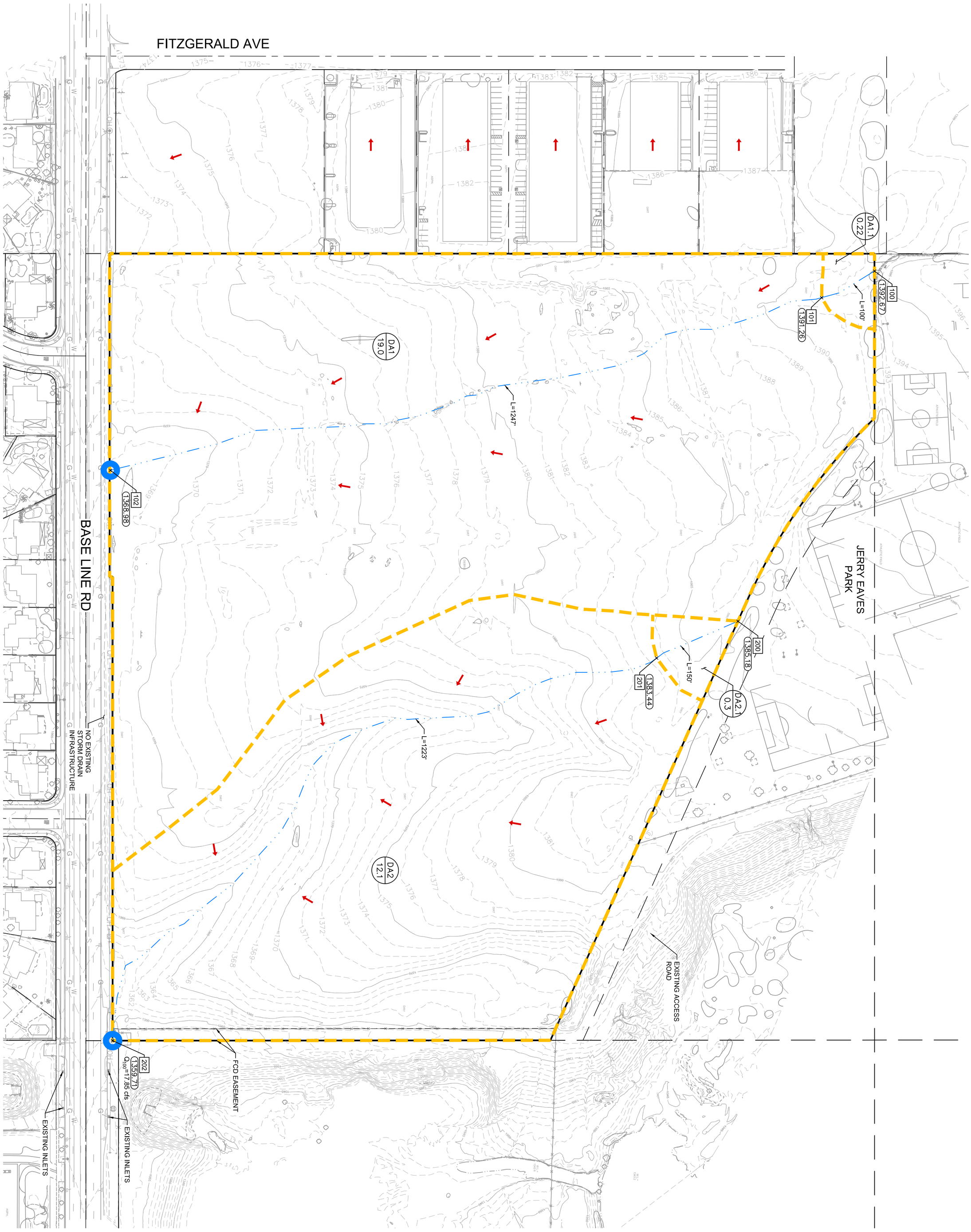


PPD #XXXX-XXXX

OLIVE GROVE BUSINESS PARK
CITY OF RIALTO, CA

EXISTING DRAINAGE EXHIBIT

BASELINE RD
RIALTO, CA

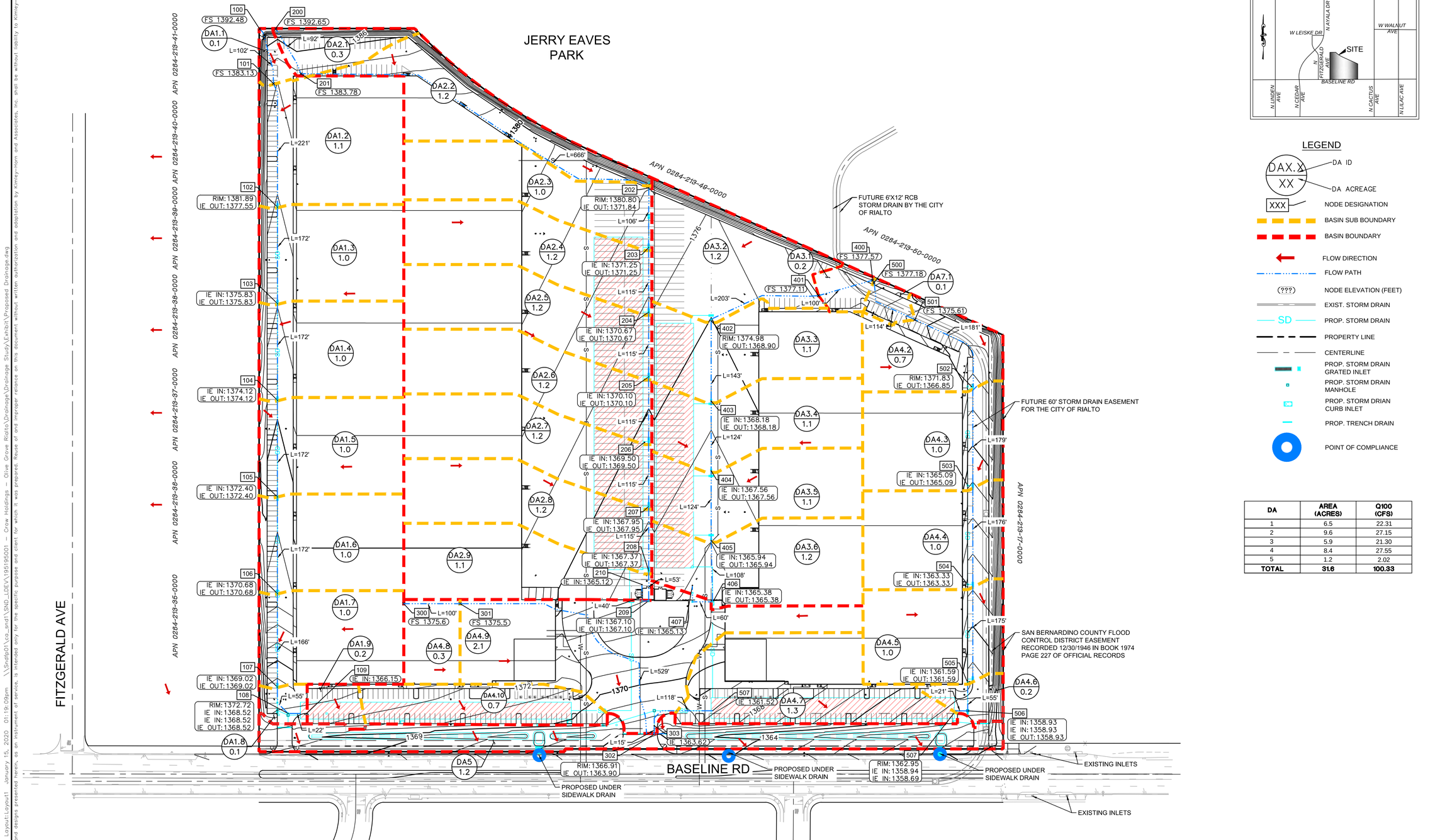
SHEET NUMBER
1 OF 1

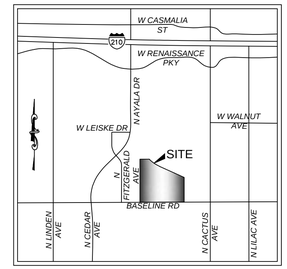
KHA PROJECT	#195195001
DATE	1/9/2020
SCALE	AS SHOWN
DESIGNED BY	EDC
DRAWN BY	ND
CHECKED BY	EDC

Kimley»Horn

401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY





LEGEND

- DA.X / XX — DA ID / DA ACREAGE
- XXX — NODE DESIGNATION
- BASIN SUB BOUNDARY
- BASIN BOUNDARY
- FLOW DIRECTION
- FLOW PATH
- (???) — NODE ELEVATION (FEET)
- EXIST. STORM DRAIN
- SD — PROP. STORM DRAIN
- PROPERTY LINE
- CENTERLINE
- PROP. STORM DRAIN GRATED INLET
- PROP. STORM DRAIN MANHOLE
- PROP. STORM DRIAN CURB INLET
- PROP. TRENCH DRAIN
- POINT OF COMPLIANCE

DA	AREA (ACRES)	Q100 (CFS)
1	6.5	22.31
2	9.6	27.15
3	5.9	21.30
4	8.4	27.55
5	1.2	2.02
TOTAL	**31.6**	**100.33**

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

No.	REVISIONS	DATE	BY

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

KHA PROJECT #19519500 1
DATE 1/15/2020
SCALE AS SHOWN
DESIGNED BY EL
DRAWN BY EL
CHECKED BY EDC

PPD #X2019-XXXX

OLIVE GROVE BUSINESS PARK
CITY OF RIALTO, CA
PROPOSED DRAINAGE EXHIBIT

BASELINE RD
RIALTO, CA

SHEET NUMBER
1 OF 1

Plotted By: Abais, Kay Sheet Set: Kha Layout: Layout1 January 15, 2020 01:19:09pm \\Sndfs01\co_snd1\SND_LDEV\195195001 - Crow Holdings - Olive Grove Rialto\Drainage\Drainage Study\Exhibit\Proposed Drainage.dwg
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APPENDIX D

EXISTING CONDITIONS HYDROLOGY AES RATIONAL METHOD RESULTS

```
************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
          (Reference: 1986 SAN BERNARDINO CO. HYDROLOGY CRITERION)
         (c) Copyright 1983-2011 Advanced Engineering Software (aes)
             Ver. 18.0  Release Date: 07/01/2011  License ID 1499

                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* OLIVE GROVE BUSINESS PARK                                             *
* EXISTING 100 YEAR RATIONAL METHOD HYDROLOGY                           *
* NOVEMBER 2019 - MJS                                                   *
 ************************************************************************

  FILE NAME: EX100OG.DAT
  TIME/DATE OF STUDY: 08:42 11/05/2019
========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  18.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED TABLED RAINFALL USED*
  NUMBER OF [TIME,INTENSITY] DATA PAIRS =  6
   1)    5.00;  5.180
   2)   10.00;  3.710
   3)   15.00;  2.990
   4)   30.00;  2.240
   5)   60.00;  1.670
   6)  120.00;  1.170
  *ANTECEDENT MOISTURE CONDITION (AMC) II ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
  ELEVATION DATA: UPSTREAM(FEET) =   1392.67  DOWNSTREAM(FEET) =   1391.26

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   10.446
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.646
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
```

```
  "GRASS"                    A        0.22      0.82     1.000    50   10.45
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.82
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  SUBAREA RUNOFF(CFS) =      0.56
  TOTAL AREA(ACRES) =      0.22   PEAK FLOW RATE(CFS) =      0.56

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    102.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1391.26  DOWNSTREAM(FEET) =   1368.98
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1247.00   CHANNEL SLOPE =  0.0179
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.035   MAXIMUM DEPTH(FEET) =   0.50
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.585
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    A       19.00      0.82     1.000    50
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.82
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      16.21
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.64
  AVERAGE FLOW DEPTH(FEET) =   0.32   TRAVEL TIME(MIN.) =  12.65
  Tc(MIN.) =   23.09
  SUBAREA AREA(ACRES) =    19.00       SUBAREA RUNOFF(CFS) =   30.19
  EFFECTIVE AREA(ACRES) =     19.22     AREA-AVERAGED Fm(INCH/HR) =   0.82
  AREA-AVERAGED Fp(INCH/HR) =   0.82  AREA-AVERAGED Ap =   1.00
  TOTAL AREA(ACRES) =       19.2         PEAK FLOW RATE(CFS) =      30.54

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.40   FLOW VELOCITY(FEET/SEC.) =   1.93
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    102.00 =    1347.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   150.00
  ELEVATION DATA: UPSTREAM(FEET) =   1385.18  DOWNSTREAM(FEET) =   1383.44

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   12.775
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.310
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "GRASS"                    A        0.30      0.82     1.000    50   12.77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.82
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  SUBAREA RUNOFF(CFS) =      0.67
  TOTAL AREA(ACRES) =      0.30   PEAK FLOW RATE(CFS) =      0.67

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1383.44  DOWNSTREAM(FEET) =   1359.71
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1223.00   CHANNEL SLOPE =  0.0194
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.035   MAXIMUM DEPTH(FEET) =   0.50
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.420
  SUBAREA LOSS RATE DATA(AMC  II):
```

```
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                      A       12.10      0.82     1.000    50
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.82
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       9.74
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.50
  AVERAGE FLOW DEPTH(FEET) =   0.26   TRAVEL TIME(MIN.) =  13.63
  Tc(MIN.) =   26.41
  SUBAREA AREA(ACRES) =    12.10       SUBAREA RUNOFF(CFS) =   17.42
  EFFECTIVE AREA(ACRES) =     12.40     AREA-AVERAGED Fm(INCH/HR) =   0.82
  AREA-AVERAGED Fp(INCH/HR) =   0.82  AREA-AVERAGED Ap =   1.00
  TOTAL AREA(ACRES) =       12.4          PEAK FLOW RATE(CFS) =      17.85

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.32   FLOW VELOCITY(FEET/SEC.) =   1.73
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =    1373.00 FEET.
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       12.4  TC(MIN.) =     26.41
  EFFECTIVE AREA(ACRES) =     12.40  AREA-AVERAGED Fm(INCH/HR)=  0.82
  AREA-AVERAGED Fp(INCH/HR) =  0.82  AREA-AVERAGED Ap = 1.000
  PEAK FLOW RATE(CFS)   =      17.85
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

APPENDIX E

PROPOSED CONDITIONS AES RATIONAL METHOD RESULTS

```
************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
          (Reference: 1986 SAN BERNARDINO CO. HYDROLOGY CRITERION)
         (c) Copyright 1983-2011 Advanced Engineering Software (aes)
             Ver. 18.0  Release Date: 07/01/2011  License ID 1499

                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* OLIVE GROVE BUSINESS PARK                                             *
* 100 YEAR PROPOSED RATIONAL METHOD HYDROLOGY                           *
* NOVEMBER 2019 - MJS                                                   *
 ************************************************************************

  FILE NAME: PR100OG.DAT
  TIME/DATE OF STUDY: 15:45 11/20/2019
========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   8.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED TABLED RAINFALL USED*
  NUMBER OF [TIME,INTENSITY] DATA PAIRS =  6
   1)    5.00;  5.180
   2)   10.00;  3.710
   3)   15.00;  2.990
   4)   30.00;  2.240
   5)   60.00;  1.670
   6)  120.00;  1.170
  *ANTECEDENT MOISTURE CONDITION (AMC) III ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   102.00
  ELEVATION DATA: UPSTREAM(FEET) =   1386.72  DOWNSTREAM(FEET) =   1384.52

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.000
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.180
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.10      0.74     0.100    52    5.00
```

```
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      0.46
  TOTAL AREA(ACRES) =      0.10   PEAK FLOW RATE(CFS) =      0.46

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    102.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1384.52  DOWNSTREAM(FEET) =   1381.55
  CHANNEL LENGTH THRU SUBAREA(FEET) =   221.00   CHANNEL SLOPE =  0.0134
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =   0.50
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.561
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.70
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.75
  AVERAGE FLOW DEPTH(FEET) =   0.12   TRAVEL TIME(MIN.) =   2.11
  Tc(MIN.) =    7.11
  SUBAREA AREA(ACRES) =     1.10       SUBAREA RUNOFF(CFS) =    4.44
  EFFECTIVE AREA(ACRES) =      1.20     AREA-AVERAGED Fm(INCH/HR) =   0.07
  AREA-AVERAGED Fp(INCH/HR) =   0.74  AREA-AVERAGED Ap =   0.10
  TOTAL AREA(ACRES) =        1.2         PEAK FLOW RATE(CFS) =       4.85

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.16   FLOW VELOCITY(FEET/SEC.) =   2.03
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    102.00 =     323.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    103.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1377.55  DOWNSTREAM(FEET) =  1375.83
  FLOW LENGTH(FEET) =   172.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS   9.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.66
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.85
  PIPE TRAVEL TIME(MIN.) =   0.51    Tc(MIN.) =    7.61
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    103.00 =     495.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    7.61
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.411
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.90
  EFFECTIVE AREA(ACRES) =      2.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.2       PEAK FLOW RATE(CFS) =       8.59

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    104.00 IS CODE =  31
----------------------------------------------------------------------------
```

```
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1375.83  DOWNSTREAM(FEET) =  1374.12
  FLOW LENGTH(FEET) =   172.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  12.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.47
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       8.59
  PIPE TRAVEL TIME(MIN.) =   0.44    Tc(MIN.) =    8.06
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    104.00 =     667.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.06
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.281
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.79
  EFFECTIVE AREA(ACRES) =      3.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.2       PEAK FLOW RATE(CFS) =      12.12

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    105.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1374.12  DOWNSTREAM(FEET) =  1372.40
  FLOW LENGTH(FEET) =   172.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  14.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.11
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      12.12
  PIPE TRAVEL TIME(MIN.) =   0.40    Tc(MIN.) =    8.46
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    105.00 =     839.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    105.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.46
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.163
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.68
  EFFECTIVE AREA(ACRES) =      4.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        4.2       PEAK FLOW RATE(CFS) =      15.45

****************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    106.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1372.40  DOWNSTREAM(FEET) =  1370.68
  FLOW LENGTH(FEET) =   172.00   MANNING'S N =  0.013
```

```
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  14.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.59
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      15.45
  PIPE TRAVEL TIME(MIN.) =   0.38    Tc(MIN.) =    8.84
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    106.00 =    1011.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    106.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.84
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.052
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.58
  EFFECTIVE AREA(ACRES) =      5.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.2       PEAK FLOW RATE(CFS) =      18.61

****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    107.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1370.68  DOWNSTREAM(FEET) =  1369.02
  FLOW LENGTH(FEET) =   166.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  16.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.87
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      18.61
  PIPE TRAVEL TIME(MIN.) =   0.35    Tc(MIN.) =    9.19
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    107.00 =    1177.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    107.00 TO NODE    107.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.948
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.49
  EFFECTIVE AREA(ACRES) =      6.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        6.2       PEAK FLOW RATE(CFS) =      21.62

****************************************************************************
  FLOW PROCESS FROM NODE    107.00 TO NODE    108.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1369.02  DOWNSTREAM(FEET) =  1368.52
  FLOW LENGTH(FEET) =    55.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  17.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.95
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.62
  PIPE TRAVEL TIME(MIN.) =   0.12    Tc(MIN.) =    9.30
```

```
 LONGEST FLOWPATH FROM NODE    100.00 TO NODE    108.00 =    1232.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    108.00 TO NODE    108.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =    9.30
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.914
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        0.10      0.74     0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    0.10      SUBAREA RUNOFF(CFS) =    0.35
 EFFECTIVE AREA(ACRES) =      6.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =        6.3       PEAK FLOW RATE(CFS) =      21.77

****************************************************************************
 FLOW PROCESS FROM NODE    108.00 TO NODE    109.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1368.52  DOWNSTREAM(FEET) =  1366.15
 FLOW LENGTH(FEET) =    69.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  21.0 INCH PIPE IS  13.7 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  13.10
 ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      21.77
 PIPE TRAVEL TIME(MIN.) =   0.09    Tc(MIN.) =    9.39
 LONGEST FLOWPATH FROM NODE    100.00 TO NODE    109.00 =    1301.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    109.00 TO NODE    109.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =    9.39
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.889
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        0.20      0.74     0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    0.20      SUBAREA RUNOFF(CFS) =    0.69
 EFFECTIVE AREA(ACRES) =      6.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =        6.5       PEAK FLOW RATE(CFS) =      22.31

****************************************************************************
 FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
 >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   101.00
 ELEVATION DATA: UPSTREAM(FEET) =   1386.54  DOWNSTREAM(FEET) =   1384.43

 Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
 SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.000
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.180
 SUBAREA Tc AND LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
 COMMERCIAL                 A        0.30      0.74     0.100    52    5.00
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
```

```
  SUBAREA RUNOFF(CFS) =      1.38
  TOTAL AREA(ACRES) =      0.30   PEAK FLOW RATE(CFS) =      1.38

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1384.43  DOWNSTREAM(FEET) =   1375.84
  CHANNEL LENGTH THRU SUBAREA(FEET) =   683.00   CHANNEL SLOPE =  0.0126
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =   0.50
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.532
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       3.27
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.83
  AVERAGE FLOW DEPTH(FEET) =   0.13   TRAVEL TIME(MIN.) =   6.24
  Tc(MIN.) =   11.24
  SUBAREA AREA(ACRES) =     1.20       SUBAREA RUNOFF(CFS) =    3.73
  EFFECTIVE AREA(ACRES) =      1.50     AREA-AVERAGED Fm(INCH/HR) =   0.07
  AREA-AVERAGED Fp(INCH/HR) =   0.74  AREA-AVERAGED Ap =   0.10
  TOTAL AREA(ACRES) =        1.5         PEAK FLOW RATE(CFS) =       4.67

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.16   FLOW VELOCITY(FEET/SEC.) =   1.95
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =     784.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    203.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1371.84  DOWNSTREAM(FEET) =  1371.25
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.40
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.67
  PIPE TRAVEL TIME(MIN.) =   0.44    Tc(MIN.) =   11.67
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    203.00 =     899.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    203.00 TO NODE    203.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.67
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.469
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.06
  EFFECTIVE AREA(ACRES) =      2.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.5       PEAK FLOW RATE(CFS) =       7.64

****************************************************************************
  FLOW PROCESS FROM NODE    203.00 TO NODE    204.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1371.25  DOWNSTREAM(FEET) =  1370.67
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  12.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.93
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.64
  PIPE TRAVEL TIME(MIN.) =   0.39    Tc(MIN.) =   12.06
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    204.00 =    1014.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    204.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   12.06
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.413
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    3.61
  EFFECTIVE AREA(ACRES) =      3.70   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.7       PEAK FLOW RATE(CFS) =      11.12

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    205.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1370.67  DOWNSTREAM(FEET) =  1370.10
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  15.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.37
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.12
  PIPE TRAVEL TIME(MIN.) =   0.36    Tc(MIN.) =   12.42
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    205.00 =    1129.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    205.00 TO NODE    205.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   12.42
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.362
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    3.55
  EFFECTIVE AREA(ACRES) =      4.90   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        4.9       PEAK FLOW RATE(CFS) =      14.50

****************************************************************************
  FLOW PROCESS FROM NODE    205.00 TO NODE    206.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1370.10  DOWNSTREAM(FEET) =  1369.50
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  18.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.75
```

```
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.50
  PIPE TRAVEL TIME(MIN.) =   0.33    Tc(MIN.) =   12.75
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    206.00 =    1244.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    206.00 TO NODE    206.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   12.75
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.314
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    3.50
  EFFECTIVE AREA(ACRES) =      6.10   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        6.1       PEAK FLOW RATE(CFS) =      17.79

****************************************************************************
  FLOW PROCESS FROM NODE    206.00 TO NODE    207.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1369.50  DOWNSTREAM(FEET) =  1367.95
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  17.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.50
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.79
  PIPE TRAVEL TIME(MIN.) =   0.23    Tc(MIN.) =   12.98
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    207.00 =    1359.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    207.00 TO NODE    207.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   12.98
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.281
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    3.46
  EFFECTIVE AREA(ACRES) =      7.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.3       PEAK FLOW RATE(CFS) =      21.07

****************************************************************************
  FLOW PROCESS FROM NODE    207.00 TO NODE    208.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1367.95  DOWNSTREAM(FEET) =  1367.37
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  21.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.15
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.07
  PIPE TRAVEL TIME(MIN.) =   0.31    Tc(MIN.) =   13.29
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    208.00 =    1474.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    208.00 TO NODE    208.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   13.29
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.236
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    3.42
  EFFECTIVE AREA(ACRES) =      8.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        8.5       PEAK FLOW RATE(CFS) =      24.19

****************************************************************************
  FLOW PROCESS FROM NODE    208.00 TO NODE    209.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1367.37  DOWNSTREAM(FEET) =  1367.10
  FLOW LENGTH(FEET) =    53.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  21.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.52
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      24.19
  PIPE TRAVEL TIME(MIN.) =   0.14    Tc(MIN.) =   13.42
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    209.00 =    1527.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    209.00 TO NODE    209.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   13.42
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.217
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    3.11
  EFFECTIVE AREA(ACRES) =      9.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        9.6       PEAK FLOW RATE(CFS) =      27.15

****************************************************************************
  FLOW PROCESS FROM NODE    209.00 TO NODE    210.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1367.10  DOWNSTREAM(FEET) =  1365.12
  FLOW LENGTH(FEET) =    27.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  17.88
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      27.15
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =   13.45
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    210.00 =    1554.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    401.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
```

```
==============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
  ELEVATION DATA: UPSTREAM(FEET) =   1375.30  DOWNSTREAM(FEET) =   1374.51

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.051
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.165
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.20      0.74     0.100    52    5.05
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      0.92
  TOTAL AREA(ACRES) =      0.20   PEAK FLOW RATE(CFS) =      0.92

******************************************************************************
  FLOW PROCESS FROM NODE    401.00 TO NODE    402.00 IS CODE =  51
------------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
==============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1374.51  DOWNSTREAM(FEET) =   1372.85
  CHANNEL LENGTH THRU SUBAREA(FEET) =   203.00   CHANNEL SLOPE =  0.0082
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =   0.50
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.521
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       3.34
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.54
  AVERAGE FLOW DEPTH(FEET) =   0.15   TRAVEL TIME(MIN.) =   2.19
  Tc(MIN.) =    7.24
  SUBAREA AREA(ACRES) =     1.20       SUBAREA RUNOFF(CFS) =    4.80
  EFFECTIVE AREA(ACRES) =      1.40     AREA-AVERAGED Fm(INCH/HR) =   0.07
  AREA-AVERAGED Fp(INCH/HR) =   0.74  AREA-AVERAGED Ap =   0.10
  TOTAL AREA(ACRES) =        1.4         PEAK FLOW RATE(CFS) =       5.60

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.18   FLOW VELOCITY(FEET/SEC.) =   1.78
  LONGEST FLOWPATH FROM NODE    400.00 TO NODE    402.00 =     303.00 FEET.

******************************************************************************
  FLOW PROCESS FROM NODE    402.00 TO NODE    403.00 IS CODE =  31
------------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
==============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1368.90  DOWNSTREAM(FEET) =  1368.18
  FLOW LENGTH(FEET) =   143.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.53
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.60
  PIPE TRAVEL TIME(MIN.) =   0.53    Tc(MIN.) =    7.77
  LONGEST FLOWPATH FROM NODE    400.00 TO NODE    403.00 =     446.00 FEET.

******************************************************************************
  FLOW PROCESS FROM NODE    403.00 TO NODE    403.00 IS CODE =  81
------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==============================================================================
  MAINLINE Tc(MIN.) =    7.77
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.366
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
```

```
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    4.25
  EFFECTIVE AREA(ACRES) =      2.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.5       PEAK FLOW RATE(CFS) =       9.66

****************************************************************************
  FLOW PROCESS FROM NODE    403.00 TO NODE    404.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1368.18  DOWNSTREAM(FEET) =  1367.56
  FLOW LENGTH(FEET) =   124.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  15.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.13
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       9.66
  PIPE TRAVEL TIME(MIN.) =   0.40    Tc(MIN.) =    8.17
  LONGEST FLOWPATH FROM NODE    400.00 TO NODE    404.00 =     570.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    404.00 TO NODE    404.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.17
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.248
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    4.13
  EFFECTIVE AREA(ACRES) =      3.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.6       PEAK FLOW RATE(CFS) =      13.52

****************************************************************************
  FLOW PROCESS FROM NODE    404.00 TO NODE    405.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1367.56  DOWNSTREAM(FEET) =  1365.94
  FLOW LENGTH(FEET) =   124.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  13.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.09
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      13.52
  PIPE TRAVEL TIME(MIN.) =   0.26    Tc(MIN.) =    8.43
  LONGEST FLOWPATH FROM NODE    400.00 TO NODE    405.00 =     694.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    405.00 TO NODE    405.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.173
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    4.06
  EFFECTIVE AREA(ACRES) =      4.70   AREA-AVERAGED Fm(INCH/HR) =  0.07
```

```
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        4.7       PEAK FLOW RATE(CFS) =      17.34

****************************************************************************
  FLOW PROCESS FROM NODE    405.00 TO NODE    406.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1365.94  DOWNSTREAM(FEET) =  1365.38
  FLOW LENGTH(FEET) =   108.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  18.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.07
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.34
  PIPE TRAVEL TIME(MIN.) =   0.30    Tc(MIN.) =    8.72
  LONGEST FLOWPATH FROM NODE    400.00 TO NODE    406.00 =     802.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    406.00 TO NODE    406.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.72
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.086
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    4.33
  EFFECTIVE AREA(ACRES) =      5.90   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.9       PEAK FLOW RATE(CFS) =      21.30

****************************************************************************
  FLOW PROCESS FROM NODE    406.00 TO NODE    407.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1365.38  DOWNSTREAM(FEET) =  1365.13
  FLOW LENGTH(FEET) =    49.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  21.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.18
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.30
  PIPE TRAVEL TIME(MIN.) =   0.13    Tc(MIN.) =    8.85
  LONGEST FLOWPATH FROM NODE    400.00 TO NODE    407.00 =     851.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    500.00 TO NODE    501.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   114.00
  ELEVATION DATA: UPSTREAM(FEET) =   1375.22  DOWNSTREAM(FEET) =   1373.03

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.000
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.180
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.10      0.74     0.100    52    5.00
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      0.46
  TOTAL AREA(ACRES) =      0.10   PEAK FLOW RATE(CFS) =      0.46
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    501.00 TO NODE    502.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1373.03  DOWNSTREAM(FEET) =   1370.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   181.00   CHANNEL SLOPE =  0.0140
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =   0.50
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.625
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.70      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.90
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.60
  AVERAGE FLOW DEPTH(FEET) =   0.11   TRAVEL TIME(MIN.) =   1.89
  Tc(MIN.) =    6.89
  SUBAREA AREA(ACRES) =     0.70       SUBAREA RUNOFF(CFS) =    2.87
  EFFECTIVE AREA(ACRES) =      0.80     AREA-AVERAGED Fm(INCH/HR) =   0.07
  AREA-AVERAGED Fp(INCH/HR) =   0.74  AREA-AVERAGED Ap =   0.10
  TOTAL AREA(ACRES) =        0.8         PEAK FLOW RATE(CFS) =       3.28

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.13   FLOW VELOCITY(FEET/SEC.) =   1.88
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    502.00 =     295.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    502.00 TO NODE    503.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1366.85  DOWNSTREAM(FEET) =  1365.09
  FLOW LENGTH(FEET) =   179.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   9.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.99
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       3.28
  PIPE TRAVEL TIME(MIN.) =   0.60    Tc(MIN.) =    7.49
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    503.00 =     474.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    503.00 TO NODE    503.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    7.49
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.449
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.94
  EFFECTIVE AREA(ACRES) =      1.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        1.8       PEAK FLOW RATE(CFS) =       7.09

****************************************************************************
  FLOW PROCESS FROM NODE    503.00 TO NODE    504.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1365.09  DOWNSTREAM(FEET) =  1363.33
```

```
  FLOW LENGTH(FEET) =   176.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.25
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.09
  PIPE TRAVEL TIME(MIN.) =   0.47    Tc(MIN.) =    7.96
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    504.00 =     650.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    504.00 TO NODE    504.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    7.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.311
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.81
  EFFECTIVE AREA(ACRES) =      2.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.8       PEAK FLOW RATE(CFS) =      10.68

****************************************************************************
  FLOW PROCESS FROM NODE    504.00 TO NODE    505.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1363.33  DOWNSTREAM(FEET) =  1361.59
  FLOW LENGTH(FEET) =   175.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  12.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.91
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.68
  PIPE TRAVEL TIME(MIN.) =   0.42    Tc(MIN.) =    8.38
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    505.00 =     825.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    505.00 TO NODE    505.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.38
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.187
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.70
  EFFECTIVE AREA(ACRES) =      3.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.8       PEAK FLOW RATE(CFS) =      14.07

****************************************************************************
  FLOW PROCESS FROM NODE    505.00 TO NODE    506.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1361.59  DOWNSTREAM(FEET) =  1358.93
  FLOW LENGTH(FEET) =    55.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  13.44
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.07
```

```
  PIPE TRAVEL TIME(MIN.) =   0.07    Tc(MIN.) =    8.45
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    506.00 =     880.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    506.00 TO NODE    506.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.45
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.167
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.20      SUBAREA RUNOFF(CFS) =    0.74
  EFFECTIVE AREA(ACRES) =      4.00   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        4.0       PEAK FLOW RATE(CFS) =      14.73

****************************************************************************
  FLOW PROCESS FROM NODE    506.00 TO NODE    507.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1358.93  DOWNSTREAM(FEET) =  1358.69
  FLOW LENGTH(FEET) =    47.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  18.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.70
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.73
  PIPE TRAVEL TIME(MIN.) =   0.14    Tc(MIN.) =    8.58
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    507.00 =     927.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    507.00 TO NODE    507.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.58
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.126
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.30      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.30      SUBAREA RUNOFF(CFS) =    4.74
  EFFECTIVE AREA(ACRES) =      5.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.3       PEAK FLOW RATE(CFS) =      19.33

****************************************************************************
  FLOW PROCESS FROM NODE    507.00 TO NODE    507.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    8.58
  RAINFALL INTENSITY(INCH/HR) =   4.13
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       5.30
  TOTAL STREAM AREA(ACRES) =       5.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      19.33

****************************************************************************
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```
 FLOW PROCESS FROM NODE    300.00 TO NODE    301.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
 >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
 ELEVATION DATA: UPSTREAM(FEET) =   1375.60  DOWNSTREAM(FEET) =   1375.50

 Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
 SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    7.637
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.405
 SUBAREA Tc AND LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
 COMMERCIAL                 A        0.30      0.74     0.100    52    7.64
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA RUNOFF(CFS) =      1.17
 TOTAL AREA(ACRES) =      0.30   PEAK FLOW RATE(CFS) =      1.17

****************************************************************************
 FLOW PROCESS FROM NODE    301.00 TO NODE    302.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   1375.50  DOWNSTREAM(FEET) =   1366.92
 CHANNEL LENGTH THRU SUBAREA(FEET) =   529.00   CHANNEL SLOPE =  0.0162
 CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =  99.000
 MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =   0.50
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.471
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        2.10      0.74     0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       4.38
 TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.19
 AVERAGE FLOW DEPTH(FEET) =   0.14   TRAVEL TIME(MIN.) =   4.02
 Tc(MIN.) =   11.66
 SUBAREA AREA(ACRES) =     2.10       SUBAREA RUNOFF(CFS) =    6.42
 EFFECTIVE AREA(ACRES) =      2.40     AREA-AVERAGED Fm(INCH/HR) =   0.07
 AREA-AVERAGED Fp(INCH/HR) =   0.74  AREA-AVERAGED Ap =   0.10
 TOTAL AREA(ACRES) =        2.4         PEAK FLOW RATE(CFS) =       7.34

 END OF SUBAREA CHANNEL FLOW HYDRAULICS:
 DEPTH(FEET) =  0.17   FLOW VELOCITY(FEET/SEC.) =   2.49
 LONGEST FLOWPATH FROM NODE    300.00 TO NODE    302.00 =     629.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    302.00 TO NODE    303.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1363.90  DOWNSTREAM(FEET) =  1363.62
 FLOW LENGTH(FEET) =    15.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  15.0 INCH PIPE IS  10.7 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   7.87
 ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       7.34
 PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =   11.69
 LONGEST FLOWPATH FROM NODE    300.00 TO NODE    303.00 =     644.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    303.00 TO NODE    303.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =   11.69
```

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  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.467
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.70      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.70      SUBAREA RUNOFF(CFS) =    2.14
  EFFECTIVE AREA(ACRES) =      3.10   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.1       PEAK FLOW RATE(CFS) =       9.46

****************************************************************************
  FLOW PROCESS FROM NODE    303.00 TO NODE    507.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1363.62  DOWNSTREAM(FEET) =  1361.52
  FLOW LENGTH(FEET) =   115.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.43
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       9.46
  PIPE TRAVEL TIME(MIN.) =   0.23    Tc(MIN.) =   11.92
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    507.00 =     759.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    507.00 TO NODE    507.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   11.92
  RAINFALL INTENSITY(INCH/HR) =   3.43
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       3.10
  TOTAL STREAM AREA(ACRES) =       3.10
  PEAK FLOW RATE(CFS) AT CONFLUENCE =       9.46

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)   (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       19.33    8.58    4.126  0.74( 0.07) 0.10       5.3     500.00
      2        9.46   11.92    3.434  0.74( 0.07) 0.10       3.1     300.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)   (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       27.55    8.58    4.126  0.74( 0.07) 0.10       7.5     500.00
      2       25.49   11.92    3.434  0.74( 0.07) 0.10       8.4     300.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      27.55    Tc(MIN.) =     8.58
  EFFECTIVE AREA(ACRES) =       7.53   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        8.4
  LONGEST FLOWPATH FROM NODE    500.00 TO NODE    507.00 =     927.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        8.4  TC(MIN.) =      8.58
  EFFECTIVE AREA(ACRES) =      7.53  AREA-AVERAGED Fm(INCH/HR)=  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap = 0.100
  PEAK FLOW RATE(CFS)   =      27.55
```

** PEAK FLOW RATE TABLE **

STREAM NUMBER	Q (CFS)	Tc (MIN.)	Intensity (INCH/HR)	Fp(Fm) (INCH/HR)	Ap	Ae (ACRES)	HEADWATER NODE
1	27.55	8.58	4.126	0.74(0.07)	0.10	7.5	500.00
2	25.49	11.92	3.434	0.74(0.07)	0.10	8.4	300.00

END OF RATIONAL METHOD ANALYSIS

APPENDIX F

PROPOSED CONDITIONS HYDROLOGY UNIT HYDROGRAPH RESULTS

DA 1

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA(ACRES) = 6.50
SOIL-LOSS RATE, Fm,(INCH/HR) = 0.070
LOW LOSS FRACTION = 0.066
TIME OF CONCENTRATION(MIN.) = 10.00
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED
RETURN FREQUENCY(YEARS) = 100
5-MINUTE POINT RAINFALL VALUE(INCHES) = 0.43
30-MINUTE POINT RAINFALL VALUE(INCHES) = 1.12
1-HOUR POINT RAINFALL VALUE(INCHES) = 1.67
3-HOUR POINT RAINFALL VALUE(INCHES) = 2.88
6-HOUR POINT RAINFALL VALUE(INCHES) = 4.08
24-HOUR POINT RAINFALL VALUE(INCHES) = 7.57

TOTAL CATCHMENT RUNOFF VOLUME(ACRE-FEET) = 3.44
TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) = 0.66

****

TIME (HOURS)	VOLUME (AF)	Q (CFS)	0.	7.5	15.0	22.5	30.0
0.17	0.0053	0.77	.Q	.	.	.	.
0.33	0.0159	0.77	.Q	.	.	.	.
0.50	0.0266	0.78	.Q	.	.	.	.
0.67	0.0374	0.78	.Q	.	.	.	.
0.83	0.0482	0.79	.Q	.	.	.	.
1.00	0.0591	0.79	.Q	.	.	.	.
1.17	0.0700	0.80	.Q	.	.	.	.
1.33	0.0810	0.80	.Q	.	.	.	.
1.50	0.0921	0.81	.Q	.	.	.	.
1.67	0.1033	0.81	.Q	.	.	.	.
1.83	0.1145	0.82	.Q	.	.	.	.
2.00	0.1258	0.82	.Q	.	.	.	.
2.17	0.1372	0.83	.Q	.	.	.	.
2.33	0.1486	0.83	.Q	.	.	.	.
2.50	0.1601	0.84	.Q	.	.	.	.
2.67	0.1717	0.84	.Q	.	.	.	.
2.83	0.1834	0.85	.Q	.	.	.	.
3.00	0.1952	0.86	.Q	.	.	.	.
3.17	0.2070	0.86	.Q	.	.	.	.
3.33	0.2190	0.87	.Q	.	.	.	.
3.50	0.2310	0.88	.Q	.	.	.	.
3.67	0.2431	0.88	.Q	.	.	.	.
3.83	0.2553	0.89	.Q	.	.	.	.
4.00	0.2676	0.89	.Q	.	.	.	.
4.17	0.2799	0.90	.Q	.	.	.	.
4.33	0.2924	0.91	.Q	.	.	.	.
4.50	0.3050	0.92	.Q	.	.	.	.
4.67	0.3177	0.92	.Q	.	.	.	.
4.83	0.3305	0.93	.Q	.	.	.	.
5.00	0.3433	0.94	.Q	.	.	.	.
5.17	0.3563	0.95	.Q	.	.	.	.
5.33	0.3694	0.95	.Q	.	.	.	.
5.50	0.3826	0.96	.Q	.	.	.	.
5.67	0.3960	0.97	.Q	.	.	.	.
5.83	0.4094	0.98	.Q	.	.	.	.
6.00	0.4230	0.99	.Q	.	.	.	.
6.17	0.4367	1.00	.Q	.	.	.	.

6.33	0.4505	1.01	.Q	.	.	.	.	
6.50	0.4644	1.02	.Q	.	.	.	.	
6.67	0.4785	1.03	.Q	.	.	.	.	
6.83	0.4927	1.04	.Q	.	.	.	.	
7.00	0.5071	1.05	.Q	.	.	.	.	
7.17	0.5216	1.06	.Q	.	.	.	.	
7.33	0.5363	1.07	.Q	.	.	.	.	
7.50	0.5511	1.08	.Q	.	.	.	.	
7.67	0.5661	1.09	.Q	.	.	.	.	
7.83	0.5812	1.11	.Q	.	.	.	.	
8.00	0.5965	1.12	.Q	.	.	.	.	
8.17	0.6120	1.13	.Q	.	.	.	.	
8.33	0.6277	1.14	.Q	.	.	.	.	
8.50	0.6435	1.16	.Q	.	.	.	.	
8.67	0.6595	1.17	.Q	.	.	.	.	
8.83	0.6758	1.19	.Q	.	.	.	.	
9.00	0.6922	1.20	.Q	.	.	.	.	
9.17	0.7089	1.22	.Q	.	.	.	.	
9.33	0.7258	1.23	.Q	.	.	.	.	
9.50	0.7429	1.25	.Q	.	.	.	.	
9.67	0.7603	1.27	.Q	.	.	.	.	
9.83	0.7779	1.29	.Q	.	.	.	.	
10.00	0.7957	1.30	.Q	.	.	.	.	
10.17	0.8139	1.33	.Q	.	.	.	.	
10.33	0.8323	1.34	.Q	.	.	.	.	
10.50	0.8510	1.37	.Q	.	.	.	.	
10.67	0.8700	1.39	.Q	.	.	.	.	
10.83	0.8894	1.42	.Q	.	.	.	.	
11.00	0.9090	1.44	.Q	.	.	.	.	
11.17	0.9291	1.47	.Q	.	.	.	.	
11.33	0.9495	1.49	.Q	.	.	.	.	
11.50	0.9703	1.53	. Q	.	.	.	.	
11.67	0.9916	1.55	. Q	.	.	.	.	
11.83	1.0132	1.60	. Q	.	.	.	.	
12.00	1.0354	1.62	. Q	.	.	.	.	
12.17	1.0595	1.88	. Q	.	.	.	.	
12.33	1.0856	1.91	. Q	.	.	.	.	
12.50	1.1122	1.96	. Q	.	.	.	.	
12.67	1.1395	2.00	. Q	.	.	.	.	
12.83	1.1674	2.06	. Q	.	.	.	.	
13.00	1.1961	2.10	. Q	.	.	.	.	
13.17	1.2255	2.17	. Q	.	.	.	.	
13.33	1.2557	2.22	. Q	.	.	.	.	
13.50	1.2869	2.31	. Q	.	.	.	.	
13.67	1.3191	2.36	. Q	.	.	.	.	
13.83	1.3523	2.47	. Q	.	.	.	.	
14.00	1.3868	2.53	. Q	.	.	.	.	
14.17	1.4224	2.64	. Q	.	.	.	.	
14.33	1.4593	2.72	. Q	.	.	.	.	
14.50	1.4980	2.90	. Q	.	.	.	.	
14.67	1.5387	3.01	. Q	.	.	.	.	
14.83	1.5819	3.26	. Q	.	.	.	.	
15.00	1.6279	3.41	. Q	.	.	.	.	
15.17	1.6776	3.80	. Q	.	.	.	.	
15.33	1.7316	4.05	. Q	.	.	.	.	
15.50	1.7971	5.46	. Q	.	.	.	.	
15.67	1.8758	5.96	. Q	.	.	.	.	
15.83	1.9667	7.25	. Q.	.	.	.		
16.00	2.0813	9.39	. . Q	.	.	.		
16.17	2.2936	21.45	. .	.	Q .	.		
16.33	2.4874	6.68	. Q .	.	.	.		
16.50	2.5633	4.35	. Q	.	.	.	.	
16.67	2.6180	3.59	. Q	.	.	.	.	
16.83	2.6643	3.13	. Q	.	.	.	.	
17.00	2.7052	2.81	. Q	.	.	.	.	
17.17	2.7424	2.60	. Q	.	.	.	.	

17.33	2.7769	2.41	. Q	.	.	.	.
17.50	2.8091	2.26	. Q	.	.	.	.
17.67	2.8394	2.13	. Q	.	.	.	.
17.83	2.8681	2.03	. Q	.	.	.	.
18.00	2.8954	1.94	. Q	.	.	.	.
18.17	2.9200	1.64	. Q	.	.	.	.
18.33	2.9422	1.57	. Q	.	.	.	.
18.50	2.9634	1.51	. Q	.	.	.	.
18.67	2.9838	1.45	.Q	.	.	.	.
18.83	3.0035	1.40	.Q	.	.	.	.
19.00	3.0226	1.36	.Q	.	.	.	.
19.17	3.0410	1.32	.Q	.	.	.	.
19.33	3.0588	1.28	.Q	.	.	.	.
19.50	3.0762	1.24	.Q	.	.	.	.
19.67	3.0931	1.21	.Q	.	.	.	.
19.83	3.1095	1.18	.Q	.	.	.	.
20.00	3.1256	1.15	.Q	.	.	.	.
20.17	3.1413	1.12	.Q	.	.	.	.
20.33	3.1566	1.10	.Q	.	.	.	.
20.50	3.1715	1.08	.Q	.	.	.	.
20.67	3.1862	1.05	.Q	.	.	.	.
20.83	3.2006	1.03	.Q	.	.	.	.
21.00	3.2146	1.01	.Q	.	.	.	.
21.17	3.2285	0.99	.Q	.	.	.	.
21.33	3.2420	0.98	.Q	.	.	.	.
21.50	3.2554	0.96	.Q	.	.	.	.
21.67	3.2685	0.94	.Q	.	.	.	.
21.83	3.2814	0.93	.Q	.	.	.	.
22.00	3.2940	0.91	.Q	.	.	.	.
22.17	3.3065	0.90	.Q	.	.	.	.
22.33	3.3188	0.89	.Q	.	.	.	.
22.50	3.3309	0.87	.Q	.	.	.	.
22.67	3.3428	0.86	.Q	.	.	.	.
22.83	3.3546	0.85	.Q	.	.	.	.
23.00	3.3662	0.84	.Q	.	.	.	.
23.17	3.3777	0.83	.Q	.	.	.	.
23.33	3.3889	0.81	.Q	.	.	.	.
23.50	3.4001	0.80	.Q	.	.	.	.
23.67	3.4111	0.79	.Q	.	.	.	.
23.83	3.4220	0.79	.Q	.	.	.	.
24.00	3.4328	0.78	.Q	.	.	.	.
24.17	3.4381	0.00	Q	.	.	.	.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1440.0
10%	270.0
20%	70.0
30%	40.0
40%	20.0
50%	10.0
60%	10.0
70%	10.0
80%	10.0
90%	10.0

DA 2

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA(ACRES) = 9.60
SOIL-LOSS RATE, Fm,(INCH/HR) = 0.070
LOW LOSS FRACTION = 0.019
TIME OF CONCENTRATION(MIN.) = 13.40
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED
RETURN FREQUENCY(YEARS) = 100
5-MINUTE POINT RAINFALL VALUE(INCHES) = 0.43
30-MINUTE POINT RAINFALL VALUE(INCHES) = 1.12
1-HOUR POINT RAINFALL VALUE(INCHES) = 1.67
3-HOUR POINT RAINFALL VALUE(INCHES) = 2.88
6-HOUR POINT RAINFALL VALUE(INCHES) = 4.08
24-HOUR POINT RAINFALL VALUE(INCHES) = 7.57

TOTAL CATCHMENT RUNOFF VOLUME(ACRE-FEET) = 5.31
TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) = 0.75

****

TIME (HOURS)	VOLUME (AF)	Q (CFS)	0.	7.5	15.0	22.5	30.0
0.14	0.0071	1.19	.Q	.	.	.	.
0.37	0.0291	1.20	.Q	.	.	.	.
0.59	0.0514	1.21	.Q	.	.	.	.
0.81	0.0738	1.22	.Q	.	.	.	.
1.04	0.0964	1.23	.Q	.	.	.	.
1.26	0.1191	1.24	.Q	.	.	.	.
1.48	0.1421	1.25	.Q	.	.	.	.
1.71	0.1652	1.26	.Q	.	.	.	.
1.93	0.1886	1.27	.Q	.	.	.	.
2.15	0.2121	1.28	.Q	.	.	.	.
2.38	0.2359	1.30	.Q	.	.	.	.
2.60	0.2599	1.30	.Q	.	.	.	.
2.82	0.2841	1.32	.Q	.	.	.	.
3.05	0.3085	1.33	.Q	.	.	.	.
3.27	0.3332	1.34	.Q	.	.	.	.
3.49	0.3581	1.35	.Q	.	.	.	.
3.72	0.3832	1.37	.Q	.	.	.	.
3.94	0.4086	1.38	.Q	.	.	.	.
4.16	0.4342	1.40	.Q	.	.	.	.
4.39	0.4601	1.41	.Q	.	.	.	.
4.61	0.4863	1.43	.Q	.	.	.	.
4.83	0.5128	1.44	.Q	.	.	.	.
5.06	0.5396	1.46	.Q	.	.	.	.
5.28	0.5666	1.47	.Q	.	.	.	.
5.50	0.5940	1.49	.Q	.	.	.	.
5.73	0.6217	1.51	. Q	.	.	.	.
5.95	0.6497	1.53	. Q	.	.	.	.
6.17	0.6780	1.54	. Q	.	.	.	.
6.40	0.7067	1.57	. Q	.	.	.	.
6.62	0.7358	1.58	. Q	.	.	.	.
6.84	0.7652	1.61	. Q	.	.	.	.
7.07	0.7951	1.62	. Q	.	.	.	.
7.29	0.8253	1.65	. Q	.	.	.	.
7.51	0.8560	1.67	. Q	.	.	.	.
7.74	0.8871	1.70	. Q	.	.	.	.
7.96	0.9187	1.72	. Q	.	.	.	.
8.18	0.9508	1.75	. Q	.	.	.	.

8.41	0.9833	1.77	.	Q	.	.	.	.
8.63	1.0164	1.81	.	Q	.	.	.	.
8.85	1.0500	1.83	.	Q	.	.	.	.
9.08	1.0842	1.87	.	Q	.	.	.	.
9.30	1.1190	1.90	.	Q	.	.	.	.
9.52	1.1544	1.94	.	Q	.	.	.	.
9.75	1.1905	1.97	.	Q	.	.	.	.
9.97	1.2273	2.02	.	Q	.	.	.	.
10.19	1.2648	2.05	.	Q	.	.	.	.
10.42	1.3032	2.11	.	Q	.	.	.	.
10.64	1.3423	2.14	.	Q	.	.	.	.
10.86	1.3823	2.20	.	Q	.	.	.	.
11.09	1.4233	2.24	.	Q	.	.	.	.
11.31	1.4653	2.31	.	Q	.	.	.	.
11.53	1.5083	2.35	.	Q	.	.	.	.
11.76	1.5526	2.44	.	Q	.	.	.	.
11.98	1.5981	2.49	.	Q	.	.	.	.
12.20	1.6475	2.87	.	Q	.	.	.	.
12.43	1.7015	2.97	.	Q	.	.	.	.
12.65	1.7575	3.10	.	Q	.	.	.	.
12.87	1.8152	3.16	.	Q	.	.	.	.
13.10	1.8750	3.31	.	Q	.	.	.	.
13.32	1.9369	3.40	.	Q	.	.	.	.
13.54	2.0014	3.58	.	Q	.	.	.	.
13.77	2.0685	3.69	.	Q	.	.	.	.
13.99	2.1389	3.94	.	Q	.	.	.	.
14.21	2.2127	4.06	.	Q	.	.	.	.
14.44	2.2904	4.37	.	Q	.	.	.	.
14.66	2.3729	4.57	.	Q	.	.	.	.
14.88	2.4620	5.09	.	Q	.	.	.	.
15.11	2.5589	5.42	.	Q	.	.	.	.
15.33	2.6674	6.34	.	Q	.	.	.	.
15.55	2.7956	7.56	.	Q	.	.	.	.
15.78	2.9603	10.30	.	.	Q	.	.	.
16.00	3.1697	12.39	.	.	Q	.	.	.
16.22	3.5390	27.63	.	.	.	.	Q	.
16.45	3.8778	9.07	.	.	Q	.	.	.
16.67	4.0152	5.82	.	Q	.	.	.	.
16.89	4.1134	4.81	.	Q	.	.	.	.
17.12	4.1964	4.19	.	Q	.	.	.	.
17.34	4.2701	3.81	.	Q	.	.	.	.
17.56	4.3375	3.49	.	Q	.	.	.	.
17.79	4.3995	3.24	.	Q	.	.	.	.
18.01	4.4574	3.03	.	Q	.	.	.	.
18.23	4.5087	2.54	.	Q	.	.	.	.
18.46	4.5543	2.40	.	Q	.	.	.	.
18.68	4.5974	2.27	.	Q	.	.	.	.
18.90	4.6384	2.17	.	Q	.	.	.	.
19.13	4.6775	2.08	.	Q	.	.	.	.
19.35	4.7151	1.99	.	Q	.	.	.	.
19.57	4.7512	1.92	.	Q	.	.	.	.
19.80	4.7860	1.85	.	Q	.	.	.	.
20.02	4.8196	1.79	.	Q	.	.	.	.
20.24	4.8522	1.74	.	Q	.	.	.	.
20.47	4.8838	1.69	.	Q	.	.	.	.
20.69	4.9144	1.64	.	Q	.	.	.	.
20.91	4.9443	1.60	.	Q	.	.	.	.
21.14	4.9734	1.56	.	Q	.	.	.	.
21.36	5.0017	1.52	.	Q	.	.	.	.
21.58	5.0294	1.48	.	Q	.	.	.	.
21.81	5.0565	1.45	.	Q	.	.	.	.
22.03	5.0829	1.42	.	Q	.	.	.	.
22.25	5.1088	1.39	.	Q	.	.	.	.
22.48	5.1342	1.36	.	Q	.	.	.	.
22.70	5.1591	1.34	.	Q	.	.	.	.
22.92	5.1836	1.31	.	Q	.	.	.	.

23.15	5.2075	1.29	.Q	.	.	.	.
23.37	5.2311	1.27	.Q	.	.	.	.
23.59	5.2543	1.24	.Q	.	.	.	.
23.82	5.2770	1.22	.Q	.	.	.	.
24.04	5.2994	1.20	.Q	.	.	.	.
24.26	5.3105	0.00	Q	.	.	.	.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1447.2
10%	361.8
20%	93.8
30%	53.6
40%	26.8
50%	13.4
60%	13.4
70%	13.4
80%	13.4
90%	13.4

DA 3

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA(ACRES) = 5.90
SOIL-LOSS RATE, Fm,(INCH/HR) = 0.070
LOW LOSS FRACTION = 0.037
TIME OF CONCENTRATION(MIN.) = 10.00
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED
RETURN FREQUENCY(YEARS) = 100
5-MINUTE POINT RAINFALL VALUE(INCHES) = 0.43
30-MINUTE POINT RAINFALL VALUE(INCHES) = 1.12
1-HOUR POINT RAINFALL VALUE(INCHES) = 1.67
3-HOUR POINT RAINFALL VALUE(INCHES) = 2.88
6-HOUR POINT RAINFALL VALUE(INCHES) = 4.08
24-HOUR POINT RAINFALL VALUE(INCHES) = 7.57

TOTAL CATCHMENT RUNOFF VOLUME(ACRE-FEET) = 3.20
TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) = 0.52

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TIME (HOURS)	VOLUME (AF)	Q (CFS)	0.	5.0	10.0	15.0	20.0
0.17	0.0050	0.72	.Q	.	.	.	.
0.33	0.0149	0.72	.Q	.	.	.	.
0.50	0.0249	0.73	.Q	.	.	.	.
0.67	0.0350	0.73	.Q	.	.	.	.
0.83	0.0451	0.74	.Q	.	.	.	.
1.00	0.0553	0.74	.Q	.	.	.	.
1.17	0.0655	0.75	.Q	.	.	.	.
1.33	0.0758	0.75	.Q	.	.	.	.
1.50	0.0862	0.76	.Q	.	.	.	.
1.67	0.0966	0.76	.Q	.	.	.	.
1.83	0.1071	0.77	.Q	.	.	.	.
2.00	0.1177	0.77	.Q	.	.	.	.
2.17	0.1284	0.78	.Q	.	.	.	.
2.33	0.1391	0.78	.Q	.	.	.	.
2.50	0.1499	0.79	.Q	.	.	.	.
2.67	0.1607	0.79	.Q	.	.	.	.
2.83	0.1717	0.80	.Q	.	.	.	.
3.00	0.1827	0.80	.Q	.	.	.	.
3.17	0.1937	0.81	.Q	.	.	.	.
3.33	0.2049	0.81	.Q	.	.	.	.
3.50	0.2162	0.82	.Q	.	.	.	.
3.67	0.2275	0.82	.Q	.	.	.	.
3.83	0.2389	0.83	.Q	.	.	.	.
4.00	0.2504	0.84	.Q	.	.	.	.
4.17	0.2620	0.85	.Q	.	.	.	.
4.33	0.2737	0.85	.Q	.	.	.	.
4.50	0.2854	0.86	.Q	.	.	.	.
4.67	0.2973	0.86	.Q	.	.	.	.
4.83	0.3093	0.87	.Q	.	.	.	.
5.00	0.3213	0.88	.Q	.	.	.	.
5.17	0.3335	0.89	.Q	.	.	.	.
5.33	0.3457	0.89	.Q	.	.	.	.
5.50	0.3581	0.90	.Q	.	.	.	.
5.67	0.3706	0.91	.Q	.	.	.	.
5.83	0.3832	0.92	.Q	.	.	.	.
6.00	0.3959	0.92	.Q	.	.	.	.
6.17	0.4087	0.94	.Q	.	.	.	.

6.33	0.4216	0.94	.Q	.	.	.	.		
6.50	0.4347	0.95	.Q	.	.	.	.		
6.67	0.4478	0.96	.Q	.	.	.	.		
6.83	0.4612	0.97	.Q	.	.	.	.		
7.00	0.4746	0.98	.Q	.	.	.	.		
7.17	0.4882	0.99	.Q	.	.	.	.		
7.33	0.5019	1.00	.Q	.	.	.	.		
7.50	0.5158	1.01	. Q	.	.	.	.		
7.67	0.5298	1.02	. Q	.	.	.	.		
7.83	0.5439	1.04	. Q	.	.	.	.		
8.00	0.5583	1.04	. Q	.	.	.	.		
8.17	0.5728	1.06	. Q	.	.	.	.		
8.33	0.5874	1.07	. Q	.	.	.	.		
8.50	0.6022	1.09	. Q	.	.	.	.		
8.67	0.6173	1.09	. Q	.	.	.	.		
8.83	0.6325	1.11	. Q	.	.	.	.		
9.00	0.6478	1.12	. Q	.	.	.	.		
9.17	0.6634	1.14	. Q	.	.	.	.		
9.33	0.6792	1.15	. Q	.	.	.	.		
9.50	0.6953	1.17	. Q	.	.	.	.		
9.67	0.7115	1.18	. Q	.	.	.	.		
9.83	0.7280	1.21	. Q	.	.	.	.		
10.00	0.7447	1.22	. Q	.	.	.	.		
10.17	0.7617	1.24	. Q	.	.	.	.		
10.33	0.7789	1.26	. Q	.	.	.	.		
10.50	0.7964	1.29	. Q	.	.	.	.		
10.67	0.8142	1.30	. Q	.	.	.	.		
10.83	0.8323	1.33	. Q	.	.	.	.		
11.00	0.8508	1.35	. Q	.	.	.	.		
11.17	0.8695	1.38	. Q	.	.	.	.		
11.33	0.8886	1.40	. Q	.	.	.	.		
11.50	0.9081	1.43	. Q	.	.	.	.		
11.67	0.9280	1.45	. Q	.	.	.	.		
11.83	0.9483	1.49	. Q	.	.	.	.		
12.00	0.9690	1.52	. Q	.	.	.	.		
12.17	0.9916	1.76	. Q	.	.	.	.		
12.33	1.0160	1.78	. Q	.	.	.	.		
12.50	1.0409	1.84	. Q	.	.	.	.		
12.67	1.0664	1.87	. Q	.	.	.	.		
12.83	1.0926	1.93	. Q	.	.	.	.		
13.00	1.1194	1.96	. Q	.	.	.	.		
13.17	1.1469	2.04	. Q	.	.	.	.		
13.33	1.1752	2.07	. Q	.	.	.	.		
13.50	1.2044	2.16	. Q	.	.	.	.		
13.67	1.2345	2.21	. Q	.	.	.	.		
13.83	1.2656	2.31	. Q	.	.	.	.		
14.00	1.2979	2.37	. Q	.	.	.	.		
14.17	1.3312	2.47	. Q	.	.	.	.		
14.33	1.3657	2.54	. Q	.	.	.	.		
14.50	1.4020	2.72	. Q	.	.	.	.		
14.67	1.4401	2.82	. Q	.	.	.	.		
14.83	1.4805	3.05	. Q	.	.	.	.		
15.00	1.5235	3.20	. Q	.	.	.	.		
15.17	1.5700	3.56	. Q	.	.	.	.		
15.33	1.6206	3.79	. Q	.	.	.	.		
15.50	1.6819	5.11	. Q	.	.	.	.		
15.67	1.7554	5.57	. .Q	.	.	.	.		
15.83	1.8398	6.69	. . Q	.	.	.	.		
16.00	1.9449	8.56	. . Q	.	.	.	.		
16.17	2.1380	19.47	. .	.	.	.	Q	.	
16.33	2.3147	6.20	. . Q	.	.	.	.		
16.50	2.3854	4.07	. Q	.	.	.	.		
16.67	2.4366	3.36	. Q	.	.	.	.		
16.83	2.4800	2.93	. Q	.	.	.	.		
17.00	2.5182	2.63	. Q	.	.	.	.		
17.17	2.5530	2.43	. Q	.	.	.	.		

17.33	2.5854	2.26	. Q	.	.	.	.
17.50	2.6155	2.12	. Q	.	.	.	.
17.67	2.6438	2.00	. Q	.	.	.	.
17.83	2.6706	1.90	. Q	.	.	.	.
18.00	2.6962	1.81	. Q	.	.	.	.
18.17	2.7193	1.54	. Q	.	.	.	.
18.33	2.7400	1.47	. Q	.	.	.	.
18.50	2.7599	1.41	. Q	.	.	.	.
18.67	2.7790	1.36	. Q	.	.	.	.
18.83	2.7974	1.31	. Q	.	.	.	.
19.00	2.8152	1.27	. Q	.	.	.	.
19.17	2.8325	1.23	. Q	.	.	.	.
19.33	2.8492	1.20	. Q	.	.	.	.
19.50	2.8654	1.16	. Q	.	.	.	.
19.67	2.8812	1.13	. Q	.	.	.	.
19.83	2.8966	1.10	. Q	.	.	.	.
20.00	2.9117	1.08	. Q	.	.	.	.
20.17	2.9263	1.05	. Q	.	.	.	.
20.33	2.9406	1.03	. Q	.	.	.	.
20.50	2.9547	1.01	. Q	.	.	.	.
20.67	2.9684	0.99	.Q	.	.	.	.
20.83	2.9818	0.97	.Q	.	.	.	.
21.00	2.9950	0.95	.Q	.	.	.	.
21.17	3.0079	0.93	.Q	.	.	.	.
21.33	3.0206	0.91	.Q	.	.	.	.
21.50	3.0331	0.90	.Q	.	.	.	.
21.67	3.0454	0.88	.Q	.	.	.	.
21.83	3.0574	0.87	.Q	.	.	.	.
22.00	3.0693	0.85	.Q	.	.	.	.
22.17	3.0810	0.84	.Q	.	.	.	.
22.33	3.0925	0.83	.Q	.	.	.	.
22.50	3.1038	0.82	.Q	.	.	.	.
22.67	3.1150	0.80	.Q	.	.	.	.
22.83	3.1260	0.79	.Q	.	.	.	.
23.00	3.1368	0.78	.Q	.	.	.	.
23.17	3.1475	0.77	.Q	.	.	.	.
23.33	3.1581	0.76	.Q	.	.	.	.
23.50	3.1686	0.75	.Q	.	.	.	.
23.67	3.1789	0.74	.Q	.	.	.	.
23.83	3.1891	0.73	.Q	.	.	.	.
24.00	3.1991	0.73	.Q	.	.	.	.
24.17	3.2041	0.00	Q	.	.	.	.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1440.0
10%	290.0
20%	70.0
30%	40.0
40%	20.0
50%	10.0
60%	10.0
70%	10.0
80%	10.0
90%	10.0

DA 4

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA(ACRES) = 8.40
SOIL-LOSS RATE, Fm,(INCH/HR) = 0.070
LOW LOSS FRACTION = 0.096
TIME OF CONCENTRATION(MIN.) = 10.00
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED
RETURN FREQUENCY(YEARS) = 100
5-MINUTE POINT RAINFALL VALUE(INCHES) = 0.43
30-MINUTE POINT RAINFALL VALUE(INCHES) = 1.12
1-HOUR POINT RAINFALL VALUE(INCHES) = 1.67
3-HOUR POINT RAINFALL VALUE(INCHES) = 2.88
6-HOUR POINT RAINFALL VALUE(INCHES) = 4.08
24-HOUR POINT RAINFALL VALUE(INCHES) = 7.57

TOTAL CATCHMENT RUNOFF VOLUME(ACRE-FEET) = 4.33
TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) = 0.97

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TIME (HOURS)	VOLUME (AF)	Q (CFS)	0.	7.5	15.0	22.5	30.0
0.17	0.0066	0.96	.Q	.	.	.	.
0.33	0.0199	0.97	.Q	.	.	.	.
0.50	0.0333	0.97	.Q	.	.	.	.
0.67	0.0467	0.98	.Q	.	.	.	.
0.83	0.0603	0.99	.Q	.	.	.	.
1.00	0.0739	0.99	.Q	.	.	.	.
1.17	0.0876	1.00	.Q	.	.	.	.
1.33	0.1013	1.00	.Q	.	.	.	.
1.50	0.1152	1.01	.Q	.	.	.	.
1.67	0.1292	1.01	.Q	.	.	.	.
1.83	0.1432	1.02	.Q	.	.	.	.
2.00	0.1573	1.03	.Q	.	.	.	.
2.17	0.1716	1.04	.Q	.	.	.	.
2.33	0.1859	1.04	.Q	.	.	.	.
2.50	0.2003	1.05	.Q	.	.	.	.
2.67	0.2148	1.06	.Q	.	.	.	.
2.83	0.2294	1.07	.Q	.	.	.	.
3.00	0.2441	1.07	.Q	.	.	.	.
3.17	0.2589	1.08	.Q	.	.	.	.
3.33	0.2739	1.09	.Q	.	.	.	.
3.50	0.2889	1.10	.Q	.	.	.	.
3.67	0.3040	1.10	.Q	.	.	.	.
3.83	0.3193	1.11	.Q	.	.	.	.
4.00	0.3347	1.12	.Q	.	.	.	.
4.17	0.3502	1.13	.Q	.	.	.	.
4.33	0.3658	1.14	.Q	.	.	.	.
4.50	0.3815	1.15	.Q	.	.	.	.
4.67	0.3973	1.15	.Q	.	.	.	.
4.83	0.4133	1.17	.Q	.	.	.	.
5.00	0.4294	1.17	.Q	.	.	.	.
5.17	0.4457	1.19	.Q	.	.	.	.
5.33	0.4621	1.19	.Q	.	.	.	.
5.50	0.4786	1.21	.Q	.	.	.	.
5.67	0.4953	1.21	.Q	.	.	.	.
5.83	0.5121	1.23	.Q	.	.	.	.
6.00	0.5291	1.24	.Q	.	.	.	.
6.17	0.5462	1.25	.Q	.	.	.	.

6.33	0.5635	1.26	.Q	.	.	.	.	
6.50	0.5809	1.27	.Q	.	.	.	.	
6.67	0.5985	1.28	.Q	.	.	.	.	
6.83	0.6163	1.30	.Q	.	.	.	.	
7.00	0.6343	1.31	.Q	.	.	.	.	
7.17	0.6524	1.33	.Q	.	.	.	.	
7.33	0.6708	1.34	.Q	.	.	.	.	
7.50	0.6893	1.35	.Q	.	.	.	.	
7.67	0.7080	1.36	.Q	.	.	.	.	
7.83	0.7270	1.38	.Q	.	.	.	.	
8.00	0.7461	1.40	.Q	.	.	.	.	
8.17	0.7655	1.42	.Q	.	.	.	.	
8.33	0.7851	1.43	.Q	.	.	.	.	
8.50	0.8049	1.45	.Q	.	.	.	.	
8.67	0.8250	1.46	.Q	.	.	.	.	
8.83	0.8453	1.49	.Q	.	.	.	.	
9.00	0.8658	1.50	.Q	.	.	.	.	
9.17	0.8867	1.53	. Q	.	.	.	.	
9.33	0.9078	1.54	. Q	.	.	.	.	
9.50	0.9292	1.57	. Q	.	.	.	.	
9.67	0.9509	1.58	. Q	.	.	.	.	
9.83	0.9729	1.61	. Q	.	.	.	.	
10.00	0.9953	1.63	. Q	.	.	.	.	
10.17	1.0180	1.66	. Q	.	.	.	.	
10.33	1.0410	1.68	. Q	.	.	.	.	
10.50	1.0644	1.72	. Q	.	.	.	.	
10.67	1.0882	1.74	. Q	.	.	.	.	
10.83	1.1124	1.78	. Q	.	.	.	.	
11.00	1.1370	1.80	. Q	.	.	.	.	
11.17	1.1621	1.84	. Q	.	.	.	.	
11.33	1.1876	1.87	. Q	.	.	.	.	
11.50	1.2137	1.92	. Q	.	.	.	.	
11.67	1.2402	1.94	. Q	.	.	.	.	
11.83	1.2674	2.00	. Q	.	.	.	.	
12.00	1.2951	2.03	. Q	.	.	.	.	
12.17	1.3252	2.35	. Q	.	.	.	.	
12.33	1.3578	2.39	. Q	.	.	.	.	
12.50	1.3912	2.46	. Q	.	.	.	.	
12.67	1.4253	2.50	. Q	.	.	.	.	
12.83	1.4602	2.58	. Q	.	.	.	.	
13.00	1.4961	2.62	. Q	.	.	.	.	
13.17	1.5329	2.72	. Q	.	.	.	.	
13.33	1.5707	2.77	. Q	.	.	.	.	
13.50	1.6097	2.89	. Q	.	.	.	.	
13.67	1.6499	2.95	. Q	.	.	.	.	
13.83	1.6915	3.09	. Q	.	.	.	.	
14.00	1.7346	3.17	. Q	.	.	.	.	
14.17	1.7791	3.30	. Q	.	.	.	.	
14.33	1.8253	3.40	. Q	.	.	.	.	
14.50	1.8737	3.63	. Q	.	.	.	.	
14.67	1.9246	3.76	. Q	.	.	.	.	
14.83	1.9786	4.08	. Q	.	.	.	.	
15.00	2.0362	4.27	. Q	.	.	.	.	
15.17	2.0983	4.75	. Q	.	.	.	.	
15.33	2.1660	5.07	. Q	.	.	.	.	
15.50	2.2493	7.03	. Q.	.	.	.		
15.67	2.3507	7.70	. Q	.	.	.		
15.83	2.4682	9.37	. . Q	.	.	.		
16.00	2.6163	12.13	. . Q	.	.	.		
16.17	2.8907	27.72	. .	.	. Q	.		
16.33	3.1411	8.63	. .Q	.	.	.		
16.50	3.2384	5.49	. Q .	.	.	.		
16.67	3.3071	4.49	. Q	.	.	.	.	
16.83	3.3650	3.91	. Q	.	.	.	.	
17.00	3.4161	3.51	. Q	.	.	.	.	
17.17	3.4627	3.25	. Q	.	.	.	.	

17.33	3.5059	3.02	. Q	.	.	.	.
17.50	3.5461	2.83	. Q	.	.	.	.
17.67	3.5840	2.67	. Q	.	.	.	.
17.83	3.6199	2.54	. Q	.	.	.	.
18.00	3.6540	2.42	. Q	.	.	.	.
18.17	3.6848	2.06	. Q	.	.	.	.
18.33	3.7125	1.97	. Q	.	.	.	.
18.50	3.7391	1.89	. Q	.	.	.	.
18.67	3.7647	1.82	. Q	.	.	.	.
18.83	3.7893	1.76	. Q	.	.	.	.
19.00	3.8131	1.70	. Q	.	.	.	.
19.17	3.8361	1.65	. Q	.	.	.	.
19.33	3.8585	1.60	. Q	.	.	.	.
19.50	3.8802	1.55	. Q	.	.	.	.
19.67	3.9013	1.51	. Q	.	.	.	.
19.83	3.9219	1.47	.Q	.	.	.	.
20.00	3.9420	1.44	.Q	.	.	.	.
20.17	3.9616	1.41	.Q	.	.	.	.
20.33	3.9807	1.37	.Q	.	.	.	.
20.50	3.9994	1.35	.Q	.	.	.	.
20.67	4.0178	1.32	.Q	.	.	.	.
20.83	4.0358	1.29	.Q	.	.	.	.
21.00	4.0534	1.27	.Q	.	.	.	.
21.17	4.0707	1.24	.Q	.	.	.	.
21.33	4.0876	1.22	.Q	.	.	.	.
21.50	4.1043	1.20	.Q	.	.	.	.
21.67	4.1207	1.18	.Q	.	.	.	.
21.83	4.1368	1.16	.Q	.	.	.	.
22.00	4.1527	1.14	.Q	.	.	.	.
22.17	4.1683	1.12	.Q	.	.	.	.
22.33	4.1836	1.11	.Q	.	.	.	.
22.50	4.1988	1.09	.Q	.	.	.	.
22.67	4.2137	1.08	.Q	.	.	.	.
22.83	4.2284	1.06	.Q	.	.	.	.
23.00	4.2429	1.05	.Q	.	.	.	.
23.17	4.2572	1.03	.Q	.	.	.	.
23.33	4.2714	1.02	.Q	.	.	.	.
23.50	4.2853	1.01	.Q	.	.	.	.
23.67	4.2991	0.99	.Q	.	.	.	.
23.83	4.3127	0.98	.Q	.	.	.	.
24.00	4.3262	0.97	.Q	.	.	.	.
24.17	4.3329	0.00	Q	.	.	.	.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1440.0
10%	260.0
20%	60.0
30%	40.0
40%	20.0
50%	10.0
60%	10.0
70%	10.0
80%	10.0
90%	10.0

APPENDIX G

UNDERGROUND DETENTION ANALYSIS, PONDPACK RESULTS

Chamber Model	HS180		
Number of Chambers	264		
Number of Endcaps	8		
Stone Voids (porosity)	40%		
Base of Stone Elevation	1364	ft	
Recommended Stone Below Chambers*	9	in.	**Include perimeter stone?** Yes
Recommended Stone Above Chambers*	30	in.	**Standard or metric?** Standard

Area of System** 14412 sq.ft

***Area must be greater than:* **14178.92 sq.ft**

**The minimum stone below and above the chambers to be determinded by the design engineer.*

System Height (Inches)	Incremental Single Chamber Storage (cu.ft)	Incremental Single End Cap Storage (cu.ft)	Incremental Total Chamber Storage (cu.ft)	Incremental Total End Cap Storage (cu.ft)	Incremental Stone Storage (cu.ft)	Incremental Chamber, End Cap, & Stone (cu.ft)	Cumulative System Storage (cu.ft)	Elevation (ft)
84	0.000	0.000	0.000	0.000	481.43	481.43	58503.83	1371.00
83	0.000	0.000	0.000	0.000	481.43	481.43	58022.39	1370.92
82	0.000	0.000	0.000	0.000	481.43	481.43	57540.96	1370.83
81	0.000	0.000	0.000	0.000	481.43	481.43	57059.53	1370.75
80	0.000	0.000	0.000	0.000	481.43	481.43	56578.09	1370.67
79	0.000	0.000	0.000	0.000	481.43	481.43	56096.66	1370.58
78	0.000	0.000	0.000	0.000	481.43	481.43	55615.23	1370.50
77	0.000	0.000	0.000	0.000	481.43	481.43	55133.80	1370.42
76	0.000	0.000	0.000	0.000	481.43	481.43	54652.36	1370.33
75	0.000	0.000	0.000	0.000	481.43	481.43	54170.93	1370.25
74	0.000	0.000	0.000	0.000	481.43	481.43	53689.50	1370.17
73	0.000	0.000	0.000	0.000	481.43	481.43	53208.06	1370.08
72	0.000	0.000	0.000	0.000	481.43	481.43	52726.63	1370.00
71	0.000	0.000	0.000	0.000	481.43	481.43	52245.20	1369.92
70	0.000	0.000	0.000	0.000	481.43	481.43	51763.77	1369.83
69	0.000	0.000	0.000	0.000	481.43	481.43	51282.33	1369.75
68	0.000	0.000	0.000	0.000	481.43	481.43	50800.90	1369.67
67	0.000	0.000	0.000	0.000	481.43	481.43	50319.47	1369.58
66	0.000	0.000	0.000	0.000	481.43	481.43	49838.04	1369.50
65	0.000	0.000	0.000	0.000	481.43	481.43	49356.60	1369.42
64	0.000	0.000	0.000	0.000	481.43	481.43	48875.17	1369.33
63	0.000	0.000	0.000	0.000	481.43	481.43	48393.74	1369.25
62	0.000	0.000	0.000	0.000	481.43	481.43	47912.30	1369.17
61	0.000	0.000	0.000	0.000	481.43	481.43	47430.87	1369.08
60	0.000	0.000	0.000	0.000	481.43	481.43	46949.44	1369.00
59	0.000	0.000	0.000	0.000	481.43	481.43	46468.01	1368.92
58	0.000	0.000	0.000	0.000	481.43	481.43	45986.57	1368.83
57	0.000	0.000	0.000	0.000	481.43	481.43	45505.14	1368.75
56	0.000	0.000	0.000	0.000	481.43	481.43	45023.71	1368.67
55	0.000	0.000	0.000	0.000	481.43	481.43	44542.27	1368.58
54	0.183	0.000	48.241	0.000	462.14	510.38	44060.84	1368.50
53	0.314	0.010	82.854	0.080	448.26	531.19	43550.46	1368.42
52	0.442	0.030	116.782	0.240	434.62	551.65	43019.27	1368.33

51	0.626	0.050	165.347	0.400	415.13	580.88	42467.62	1368.25
50	1.024	0.070	270.337	0.560	373.07	643.97	41886.74	1368.17
49	1.272	0.080	335.821	0.640	346.85	683.31	41242.77	1368.08
48	1.461	0.100	385.834	0.800	326.78	713.41	40559.46	1368.00
47	1.620	0.120	427.602	0.960	310.01	738.57	39846.05	1367.92
46	1.757	0.150	463.780	1.200	295.44	760.42	39107.48	1367.83
45	1.878	0.160	495.755	1.280	282.62	779.65	38347.06	1367.75
44	1.986	0.170	524.368	1.360	271.14	796.87	37567.41	1367.67
43	2.084	0.190	550.170	1.520	260.76	812.45	36770.54	1367.58
42	2.173	0.200	573.681	1.600	251.32	826.60	35958.09	1367.50
41	2.255	0.220	595.392	1.760	242.57	839.72	35131.49	1367.42
40	2.333	0.230	615.801	1.840	234.38	852.02	34291.76	1367.33
39	2.406	0.250	635.161	2.000	226.57	863.73	33439.75	1367.25
38	2.476	0.270	653.534	2.160	219.16	874.85	32576.02	1367.17
37	2.542	0.280	670.969	2.240	212.15	885.36	31701.17	1367.08
36	2.604	0.300	687.515	2.400	205.47	895.38	30815.81	1367.00
35	2.664	0.320	703.198	2.560	199.13	904.89	29920.43	1366.92
34	2.720	0.330	718.062	2.640	193.15	913.85	29015.54	1366.83
33	2.773	0.350	732.143	2.800	187.46	922.40	28101.69	1366.75
32	2.824	0.370	745.456	2.960	182.07	930.48	27179.29	1366.67
31	2.871	0.370	758.038	2.960	177.03	938.03	26248.81	1366.58
30	2.916	0.400	769.905	3.200	172.19	945.30	25310.77	1366.50
29	2.964	0.410	782.612	3.280	167.08	952.97	24365.48	1366.42
28	2.998	0.420	791.575	3.360	163.46	958.39	23412.51	1366.33
27	3.036	0.440	801.382	3.520	159.47	964.37	22454.12	1366.25
26	3.071	0.450	810.666	3.600	155.73	969.99	21489.74	1366.17
25	3.105	0.460	819.780	3.680	152.05	975.51	20519.75	1366.08
24	3.138	0.470	828.538	3.760	148.51	980.81	19544.24	1366.00
23	3.171	0.490	837.021	3.920	145.06	986.00	18563.43	1365.92
22	3.202	0.500	845.249	4.000	141.73	990.98	17577.43	1365.83
21	3.232	0.510	853.284	4.080	138.49	995.85	16586.45	1365.75
20	3.261	0.520	860.978	4.160	135.38	1000.52	15590.60	1365.67
19	3.292	0.530	868.994	4.240	132.14	1005.37	14590.08	1365.58
18	3.321	0.540	876.645	4.320	129.05	1010.01	13584.71	1365.50
17	3.349	0.550	884.198	4.400	125.99	1014.59	12574.70	1365.42
16	3.377	0.560	891.446	4.480	123.06	1018.99	11560.11	1365.33
15	3.405	0.560	898.841	4.480	120.10	1023.43	10541.12	1365.25
14	3.433	0.570	906.288	4.560	117.09	1027.94	9517.69	1365.17
13	3.462	0.580	913.979	4.640	113.99	1032.60	8489.75	1365.08
12	3.490	0.580	921.348	4.640	111.04	1037.03	7457.15	1365.00
11	3.518	0.580	928.651	4.640	108.12	1041.41	6420.12	1364.92
10	3.545	0.590	935.924	4.720	105.18	1045.82	5378.71	1364.83
9	0.000	0.000	0.000	0.000	481.43	481.43	4332.90	1364.75
8	0.000	0.000	0.000	0.000	481.43	481.43	3851.46	1364.67
7	0.000	0.000	0.000	0.000	481.43	481.43	3370.03	1364.58
6	0.000	0.000	0.000	0.000	481.43	481.43	2888.60	1364.50
5	0.000	0.000	0.000	0.000	481.43	481.43	2407.16	1364.42
4	0.000	0.000	0.000	0.000	481.43	481.43	1925.73	1364.33
3	0.000	0.000	0.000	0.000	481.43	481.43	1444.30	1364.25
2	0.000	0.000	0.000	0.000	481.43	481.43	962.87	1364.17
1	0.000	0.000	0.000	0.000	481.43	481.43	481.43	1364.08

0	0.000	0.000	0.000	0.000	0.00	0.00	0.00	1364.00

Chamber Model	HS180		
Number of Chambers	975		
Number of Endcaps	24		
Stone Voids (porosity)	40%		
Base of Stone Elevation	1365.1	ft	
Recommended Stone Below Chambers*	9	in.	**Include perimeter stone?** Yes
Recommended Stone Above Chambers*	12	in.	**Standard or metric?** Standard

Area of System** 51069 sq.ft

***Area must be greater than:* **50719.04 sq.ft**

**The minimum stone below and above the chambers to be determinded by the design engineer.*

System Height (Inches)	Incremental Single Chamber Storage (cu.ft)	Incremental Single End Cap Storage (cu.ft)	Incremental Total Chamber Storage (cu.ft)	Incremental Total End Cap Storage (cu.ft)	Incremental Stone Storage (cu.ft)	Incremental Chamber, End Cap, & Stone (cu.ft)	Cumulative System Storage (cu.ft)	Elevation (ft)
66	0.000	0.000	0.000	0.000	1705.40	1705.40	179216.97	1370.60
65	0.000	0.000	0.000	0.000	1705.40	1705.40	177511.57	1370.52
64	0.000	0.000	0.000	0.000	1705.40	1705.40	175806.17	1370.43
63	0.000	0.000	0.000	0.000	1705.40	1705.40	174100.77	1370.35
62	0.000	0.000	0.000	0.000	1705.40	1705.40	172395.37	1370.27
61	0.000	0.000	0.000	0.000	1705.40	1705.40	170689.98	1370.18
60	0.000	0.000	0.000	0.000	1705.40	1705.40	168984.58	1370.10
59	0.000	0.000	0.000	0.000	1705.40	1705.40	167279.18	1370.02
58	0.000	0.000	0.000	0.000	1705.40	1705.40	165573.78	1369.93
57	0.000	0.000	0.000	0.000	1705.40	1705.40	163868.38	1369.85
56	0.000	0.000	0.000	0.000	1705.40	1705.40	162162.98	1369.77
55	0.000	0.000	0.000	0.000	1705.40	1705.40	160457.59	1369.68
54	0.183	0.000	178.163	0.000	1634.13	1812.30	158752.19	1369.60
53	0.314	0.010	305.997	0.240	1582.90	1889.14	156939.89	1369.52
52	0.442	0.030	431.296	0.720	1532.59	1964.61	155050.75	1369.43
51	0.626	0.050	610.656	1.200	1460.66	2072.51	153086.14	1369.35
50	1.024	0.070	998.405	1.680	1305.36	2305.45	151013.63	1369.27
49	1.272	0.080	1240.247	1.920	1208.53	2450.70	148708.18	1369.18
48	1.461	0.100	1424.956	2.400	1134.46	2561.81	146257.48	1369.10
47	1.620	0.120	1579.212	2.880	1072.56	2654.65	143695.67	1369.02
46	1.757	0.150	1712.823	3.600	1018.83	2735.25	141041.02	1368.93
45	1.878	0.160	1830.912	3.840	971.50	2806.25	138305.77	1368.85
44	1.986	0.170	1936.588	4.080	929.13	2869.80	135499.52	1368.77
43	2.084	0.190	2031.876	4.560	890.82	2927.26	132629.72	1368.68
42	2.173	0.200	2118.707	4.800	856.00	2979.50	129702.46	1368.60
41	2.255	0.220	2198.890	5.280	823.73	3027.90	126722.95	1368.52
40	2.333	0.230	2274.266	5.520	793.48	3073.27	123695.05	1368.43
39	2.406	0.250	2345.766	6.000	764.69	3116.46	120621.78	1368.35
38	2.476	0.270	2413.622	6.480	737.36	3157.46	117505.33	1368.27
37	2.542	0.280	2478.012	6.720	711.51	3196.24	114347.87	1368.18
36	2.604	0.300	2539.119	7.200	686.87	3233.19	111151.63	1368.10
35	2.664	0.320	2597.038	7.680	663.51	3268.23	107918.44	1368.02
34	2.720	0.330	2651.932	7.920	641.46	3301.31	104650.21	1367.93

33	2.773	0.350	2703.938	8.400	620.46	3332.80	101348.90	1367.85
32	2.824	0.370	2753.105	8.880	600.60	3362.59	98016.10	1367.77
31	2.871	0.370	2799.570	8.880	582.02	3390.47	94653.51	1367.68
30	2.916	0.400	2843.400	9.600	564.20	3417.20	91263.04	1367.60
29	2.964	0.410	2890.328	9.840	545.33	3445.50	87845.84	1367.52
28	2.998	0.420	2923.431	10.080	531.99	3465.51	84400.34	1367.43
27	3.036	0.440	2959.650	10.560	517.31	3487.52	80934.84	1367.35
26	3.071	0.450	2993.938	10.800	503.50	3508.24	77447.31	1367.27
25	3.105	0.460	3027.595	11.040	489.94	3528.58	73939.07	1367.18
24	3.138	0.470	3059.943	11.280	476.91	3548.13	70410.49	1367.10
23	3.171	0.490	3091.269	11.760	464.19	3567.22	66862.36	1367.02
22	3.202	0.500	3121.659	12.000	451.93	3585.59	63295.15	1366.93
21	3.232	0.510	3151.332	12.240	439.97	3603.54	59709.55	1366.85
20	3.261	0.520	3179.747	12.480	428.51	3620.73	56106.01	1366.77
19	3.292	0.530	3209.352	12.720	416.57	3638.64	52485.28	1366.68
18	3.321	0.540	3237.609	12.960	405.17	3655.74	48846.63	1366.60
17	3.349	0.550	3265.505	13.200	393.92	3672.62	45190.89	1366.52
16	3.377	0.560	3292.273	13.440	383.11	3688.83	41518.27	1366.43
15	3.405	0.560	3319.582	13.440	372.19	3705.21	37829.45	1366.35
14	3.433	0.570	3347.088	13.680	361.09	3721.86	34124.24	1366.27
13	3.462	0.580	3375.492	13.920	349.63	3739.05	30402.38	1366.18
12	3.490	0.580	3402.705	13.920	338.75	3755.37	26663.33	1366.10
11	3.518	0.580	3429.675	13.920	327.96	3771.56	22907.96	1366.02
10	3.545	0.590	3456.539	14.160	317.12	3787.82	19136.40	1365.93
9	0.000	0.000	0.000	0.000	1705.40	1705.40	15348.59	1365.85
8	0.000	0.000	0.000	0.000	1705.40	1705.40	13643.19	1365.77
7	0.000	0.000	0.000	0.000	1705.40	1705.40	11937.79	1365.68
6	0.000	0.000	0.000	0.000	1705.40	1705.40	10232.39	1365.60
5	0.000	0.000	0.000	0.000	1705.40	1705.40	8526.99	1365.52
4	0.000	0.000	0.000	0.000	1705.40	1705.40	6821.59	1365.43
3	0.000	0.000	0.000	0.000	1705.40	1705.40	5116.20	1365.35
2	0.000	0.000	0.000	0.000	1705.40	1705.40	3410.80	1365.27
1	0.000	0.000	0.000	0.000	1705.40	1705.40	1705.40	1365.18
0	0.000	0.000	0.000	0.000	0.00	0.00	0.00	1365.10

Chamber Model	HS180		
Number of Chambers	538		
Number of Endcaps	18		
Stone Voids (porosity)	40%		
Base of Stone Elevation	1365.1	ft	
Recommended Stone Below Chambers*	9	in.	**Include perimeter stone?** Yes
Recommended Stone Above Chambers*	12	in.	**Standard or metric?** Standard

Area of System** 28468 sq.ft

***Area must be greater than:* **28207.95 sq.ft**

**The minimum stone below and above the chambers to be determinded by the design engineer.*

System Height (Inches)	Incremental Single Chamber Storage (cu.ft)	Incremental Single End Cap Storage (cu.ft)	Incremental Total Chamber Storage (cu.ft)	Incremental Total End Cap Storage (cu.ft)	Incremental Stone Storage (cu.ft)	Incremental Chamber, End Cap, & Stone (cu.ft)	Cumulative System Storage (cu.ft)	Elevation (ft)
66	0.000	0.000	0.000	0.000	951.26	951.26	99609.74	1370.60
65	0.000	0.000	0.000	0.000	951.26	951.26	98658.48	1370.52
64	0.000	0.000	0.000	0.000	951.26	951.26	97707.23	1370.43
63	0.000	0.000	0.000	0.000	951.26	951.26	96755.97	1370.35
62	0.000	0.000	0.000	0.000	951.26	951.26	95804.71	1370.27
61	0.000	0.000	0.000	0.000	951.26	951.26	94853.46	1370.18
60	0.000	0.000	0.000	0.000	951.26	951.26	93902.20	1370.10
59	0.000	0.000	0.000	0.000	951.26	951.26	92950.94	1370.02
58	0.000	0.000	0.000	0.000	951.26	951.26	91999.69	1369.93
57	0.000	0.000	0.000	0.000	951.26	951.26	91048.43	1369.85
56	0.000	0.000	0.000	0.000	951.26	951.26	90097.17	1369.77
55	0.000	0.000	0.000	0.000	951.26	951.26	89145.91	1369.68
54	0.183	0.000	98.310	0.000	911.93	1010.24	88194.66	1369.60
53	0.314	0.010	168.847	0.180	883.65	1052.67	87184.41	1369.52
52	0.442	0.030	237.987	0.540	855.85	1094.37	86131.74	1369.43
51	0.626	0.050	336.957	0.900	816.11	1153.97	85037.37	1369.35
50	1.024	0.070	550.914	1.260	730.39	1282.56	83883.40	1369.27
49	1.272	0.080	684.362	1.440	676.94	1362.74	82600.83	1369.18
48	1.461	0.100	786.283	1.800	636.02	1424.11	81238.10	1369.10
47	1.620	0.120	871.401	2.160	601.83	1475.39	79813.99	1369.02
46	1.757	0.150	945.127	2.700	572.13	1519.95	78338.60	1368.93
45	1.878	0.160	1010.288	2.880	545.99	1559.16	76818.64	1368.85
44	1.986	0.170	1068.599	3.060	522.59	1594.25	75259.48	1368.77
43	2.084	0.190	1121.179	3.420	501.42	1626.02	73665.23	1368.68
42	2.173	0.200	1169.091	3.600	482.18	1654.87	72039.21	1368.60
41	2.255	0.220	1213.336	3.960	464.34	1681.63	70384.34	1368.52
40	2.333	0.230	1254.929	4.140	447.63	1706.70	68702.71	1368.43
39	2.406	0.250	1294.382	4.500	431.70	1730.59	66996.01	1368.35
38	2.476	0.270	1331.824	4.860	416.58	1753.27	65265.42	1368.27
37	2.542	0.280	1367.354	5.040	402.30	1774.69	63512.16	1368.18
36	2.604	0.300	1401.073	5.400	388.67	1795.14	61737.46	1368.10
35	2.664	0.320	1433.032	5.760	375.74	1814.53	59942.32	1368.02
34	2.720	0.330	1463.323	5.940	363.55	1832.81	58127.79	1367.93

33	2.773	0.350	1492.019	6.300	351.93	1850.25	56294.97	1367.85
32	2.824	0.370	1519.149	6.660	340.93	1866.74	54444.73	1367.77
31	2.871	0.370	1544.789	6.660	330.68	1882.13	52577.98	1367.68
30	2.916	0.400	1568.974	7.200	320.79	1896.96	50695.86	1367.60
29	2.964	0.410	1594.868	7.380	310.36	1912.61	48798.90	1367.52
28	2.998	0.420	1613.134	7.560	302.98	1923.67	46886.29	1367.43
27	3.036	0.440	1633.120	7.920	294.84	1935.88	44962.62	1367.35
26	3.071	0.450	1652.040	8.100	287.20	1947.34	43026.74	1367.27
25	3.105	0.460	1670.611	8.280	279.70	1958.59	41079.39	1367.18
24	3.138	0.470	1688.461	8.460	272.49	1969.41	39120.80	1367.10
23	3.171	0.490	1705.746	8.820	265.43	1980.00	37151.39	1367.02
22	3.202	0.500	1722.515	9.000	258.65	1990.17	35171.40	1366.93
21	3.232	0.510	1738.889	9.180	252.03	2000.10	33181.23	1366.85
20	3.261	0.520	1754.568	9.360	245.69	2009.61	31181.13	1366.77
19	3.292	0.530	1770.904	9.540	239.08	2019.52	29171.52	1366.68
18	3.321	0.540	1786.496	9.720	232.77	2028.99	27151.99	1366.60
17	3.349	0.550	1801.889	9.900	226.54	2038.33	25123.01	1366.52
16	3.377	0.560	1816.659	10.080	220.56	2047.30	23084.68	1366.43
15	3.405	0.560	1831.728	10.080	214.53	2056.34	21037.38	1366.35
14	3.433	0.570	1846.906	10.260	208.39	2065.56	18981.03	1366.27
13	3.462	0.580	1862.579	10.440	202.05	2075.07	16915.48	1366.18
12	3.490	0.580	1877.595	10.440	196.04	2084.08	14840.41	1366.10
11	3.518	0.580	1892.477	10.440	190.09	2093.01	12756.33	1366.02
10	3.545	0.590	1907.300	10.620	184.09	2102.01	10663.32	1365.93
9	0.000	0.000	0.000	0.000	951.26	951.26	8561.31	1365.85
8	0.000	0.000	0.000	0.000	951.26	951.26	7610.06	1365.77
7	0.000	0.000	0.000	0.000	951.26	951.26	6658.80	1365.68
6	0.000	0.000	0.000	0.000	951.26	951.26	5707.54	1365.60
5	0.000	0.000	0.000	0.000	951.26	951.26	4756.29	1365.52
4	0.000	0.000	0.000	0.000	951.26	951.26	3805.03	1365.43
3	0.000	0.000	0.000	0.000	951.26	951.26	2853.77	1365.35
2	0.000	0.000	0.000	0.000	951.26	951.26	1902.51	1365.27
1	0.000	0.000	0.000	0.000	951.26	951.26	951.26	1365.18
0	0.000	0.000	0.000	0.000	0.00	0.00	0.00	1365.10

Chamber Model	HS180		
Number of Chambers	291		
Number of Endcaps	10		
Stone Voids (porosity)	40%		
Base of Stone Elevation	1356.25	ft	
Recommended Stone Below Chambers*	24	in.	**Include perimeter stone?** Yes
Recommended Stone Above Chambers*	12	in.	**Standard or metric?** Standard

Area of System** **15806** sq.ft

***Area must be greater than:* **15509.67 sq.ft**

**The minimum stone below and above the chambers to be determinded by the design engineer.*

System Height (Inches)	Incremental Single Chamber Storage (cu.ft)	Incremental Single End Cap Storage (cu.ft)	Incremental Total Chamber Storage (cu.ft)	Incremental Total End Cap Storage (cu.ft)	Incremental Stone Storage (cu.ft)	Incremental Chamber, End Cap, & Stone (cu.ft)	Cumulative System Storage (cu.ft)	Elevation (ft)
81	0.000	0.000	0.000	0.000	528.16	528.16	62702.51	1363.00
80	0.000	0.000	0.000	0.000	528.16	528.16	62174.35	1362.92
79	0.000	0.000	0.000	0.000	528.16	528.16	61646.20	1362.83
78	0.000	0.000	0.000	0.000	528.16	528.16	61118.04	1362.75
77	0.000	0.000	0.000	0.000	528.16	528.16	60589.88	1362.67
76	0.000	0.000	0.000	0.000	528.16	528.16	60061.72	1362.58
75	0.000	0.000	0.000	0.000	528.16	528.16	59533.57	1362.50
74	0.000	0.000	0.000	0.000	528.16	528.16	59005.41	1362.42
73	0.000	0.000	0.000	0.000	528.16	528.16	58477.25	1362.33
72	0.000	0.000	0.000	0.000	528.16	528.16	57949.09	1362.25
71	0.000	0.000	0.000	0.000	528.16	528.16	57420.93	1362.17
70	0.000	0.000	0.000	0.000	528.16	528.16	56892.78	1362.08
69	0.183	0.000	53.175	0.000	506.89	560.06	56364.62	1362.00
68	0.314	0.010	91.328	0.100	491.59	583.01	55804.56	1361.92
67	0.442	0.030	128.725	0.300	476.55	605.57	55221.54	1361.83
66	0.626	0.050	182.257	0.500	455.05	637.81	54615.97	1361.75
65	1.024	0.070	297.985	0.700	408.68	707.37	53978.16	1361.67
64	1.272	0.080	370.166	0.800	379.77	750.74	53270.79	1361.58
63	1.461	0.100	425.294	1.000	357.64	783.93	52520.05	1361.50
62	1.620	0.120	471.334	1.200	339.14	811.68	51736.12	1361.42
61	1.757	0.150	511.212	1.500	323.07	835.78	50924.44	1361.33
60	1.878	0.160	546.457	1.600	308.93	856.99	50088.65	1361.25
59	1.986	0.170	577.997	1.700	296.28	875.98	49231.66	1361.17
58	2.084	0.190	606.437	1.900	284.82	893.16	48355.69	1361.08
57	2.173	0.200	632.352	2.000	274.42	908.77	47462.53	1361.00
56	2.255	0.220	656.284	2.200	264.76	923.25	46553.76	1360.92
55	2.333	0.230	678.781	2.300	255.73	936.81	45630.51	1360.83
54	2.406	0.250	700.121	2.500	247.11	949.73	44693.70	1360.75
53	2.476	0.270	720.373	2.700	238.93	962.00	43743.97	1360.67
52	2.542	0.280	739.591	2.800	231.20	973.59	42781.97	1360.58
51	2.604	0.300	757.829	3.000	223.83	984.66	41808.38	1360.50
50	2.664	0.320	775.116	3.200	216.83	995.15	40823.72	1360.42
49	2.720	0.330	791.500	3.300	210.24	1005.04	39828.58	1360.33

48	2.773	0.350	807.021	3.500	203.95	1014.47	38823.54	1360.25
47	2.824	0.370	821.696	3.700	198.00	1023.40	37809.07	1360.17
46	2.871	0.370	835.564	3.700	192.45	1031.72	36785.67	1360.08
45	2.916	0.400	848.646	4.000	187.10	1039.74	35753.96	1360.00
44	2.964	0.410	862.652	4.100	181.46	1048.21	34714.21	1359.92
43	2.998	0.420	872.532	4.200	177.46	1054.20	33666.00	1359.83
42	3.036	0.440	883.342	4.400	173.06	1060.80	32611.81	1359.75
41	3.071	0.450	893.575	4.500	168.93	1067.00	31551.00	1359.67
40	3.105	0.460	903.621	4.600	164.87	1073.09	30484.00	1359.58
39	3.138	0.470	913.275	4.700	160.97	1078.94	29410.91	1359.50
38	3.171	0.490	922.625	4.900	157.15	1084.67	28331.97	1359.42
37	3.202	0.500	931.695	5.000	153.48	1090.17	27247.30	1359.33
36	3.232	0.510	940.551	5.100	149.90	1095.55	26157.12	1359.25
35	3.261	0.520	949.032	5.200	146.46	1100.70	25061.57	1359.17
34	3.292	0.530	957.868	5.300	142.89	1106.06	23960.88	1359.08
33	3.321	0.540	966.302	5.400	139.48	1111.18	22854.82	1359.00
32	3.349	0.550	974.628	5.500	136.11	1116.23	21743.64	1358.92
31	3.377	0.560	982.617	5.600	132.87	1121.09	20627.40	1358.83
30	3.405	0.560	990.767	5.600	129.61	1125.98	19506.32	1358.75
29	3.433	0.570	998.977	5.700	126.29	1130.96	18380.34	1358.67
28	3.462	0.580	1007.454	5.800	122.86	1136.11	17249.37	1358.58
27	3.490	0.580	1015.577	5.800	119.61	1140.98	16113.26	1358.50
26	3.518	0.580	1023.626	5.800	116.39	1145.81	14972.28	1358.42
25	3.545	0.590	1031.644	5.900	113.14	1150.68	13826.47	1358.33
24	0.000	0.000	0.000	0.000	528.16	528.16	12675.78	1358.25
23	0.000	0.000	0.000	0.000	528.16	528.16	12147.63	1358.17
22	0.000	0.000	0.000	0.000	528.16	528.16	11619.47	1358.08
21	0.000	0.000	0.000	0.000	528.16	528.16	11091.31	1358.00
20	0.000	0.000	0.000	0.000	528.16	528.16	10563.15	1357.92
19	0.000	0.000	0.000	0.000	528.16	528.16	10035.00	1357.83
18	0.000	0.000	0.000	0.000	528.16	528.16	9506.84	1357.75
17	0.000	0.000	0.000	0.000	528.16	528.16	8978.68	1357.67
16	0.000	0.000	0.000	0.000	528.16	528.16	8450.52	1357.58
15	0.000	0.000	0.000	0.000	528.16	528.16	7922.36	1357.50
14	0.000	0.000	0.000	0.000	528.16	528.16	7394.21	1357.42
13	0.000	0.000	0.000	0.000	528.16	528.16	6866.05	1357.33
12	0.000	0.000	0.000	0.000	528.16	528.16	6337.89	1357.25
11	0.000	0.000	0.000	0.000	528.16	528.16	5809.73	1357.17
10	0.000	0.000	0.000	0.000	528.16	528.16	5281.58	1357.08
9	0.000	0.000	0.000	0.000	528.16	528.16	4753.42	1357.00
8	0.000	0.000	0.000	0.000	528.16	528.16	4225.26	1356.92
7	0.000	0.000	0.000	0.000	528.16	528.16	3697.10	1356.83
6	0.000	0.000	0.000	0.000	528.16	528.16	3168.95	1356.75
5	0.000	0.000	0.000	0.000	528.16	528.16	2640.79	1356.67
4	0.000	0.000	0.000	0.000	528.16	528.16	2112.63	1356.58
3	0.000	0.000	0.000	0.000	528.16	528.16	1584.47	1356.50
2	0.000	0.000	0.000	0.000	528.16	528.16	1056.32	1356.42
1	0.000	0.000	0.000	0.000	528.16	528.16	528.16	1356.33
0	0.000	0.000	0.000	0.000	0.00	0.00	0.00	1356.25

Project Summary	
Title	
Engineer	
Company	
Date	10/9/2019

Notes

Table of Contents

	User Notifications	2
	Master Network Summary	3
DMA 1		
	Read Hydrograph	5
DMA 2		
	Read Hydrograph	6
DMA 3		
	Read Hydrograph	7
DMA 4		
	Read Hydrograph	8
Outlet 1A		
	Read Hydrograph	9
Outlet 4A		
	Read Hydrograph	12
O-1		
	Addition Summary	15
O-1A		
	Addition Summary	16
O-4		
	Addition Summary	17
O-4A		
	Addition Summary	18
BMP 1 (IN)		
	Time vs. Elevation	19
BMP 2 (IN)		
	Time vs. Elevation	22
BMP 3 (IN)		
	Time vs. Elevation	25
BMP 4 (IN)		
	Time vs. Elevation	28
BMP 1		
	Time vs. Volume	31
BMP 2		
	Time vs. Volume	34

Table of Contents

BMP 3

Time vs. Volume	37

BMP 4

Time vs. Volume	40

BMP 1

Elevation vs. Volume Curve	43

BMP 2

Elevation vs. Volume Curve	45

BMP 3

Elevation vs. Volume Curve	47

BMP 4

Elevation vs. Volume Curve	49

BMP 1 (IN)

Multiple Outfall Rating Curves	51

BMP 1 OUTLET 1A

Outlet Input Data	52
Individual Outlet Curves	54
Composite Rating Curve	56

BMP 4 (IN)

Multiple Outfall Rating Curves	57

BMP 4 OUTLET 4A

Outlet Input Data	58
Individual Outlet Curves	60
Composite Rating Curve	62

Composite Outlet Structure - 1

Outlet Input Data	63
Individual Outlet Curves	65
Composite Rating Curve	69

Composite Outlet Structure - 4

Outlet Input Data	70
Individual Outlet Curves	72
Composite Rating Curve	73

BMP 1

Elevation-Volume-Flow Table (Pond)	74

Table of Contents

BMP 1 (INF)

Pond Infiltration Hydrograph 75

BMP 1 (IN)

Level Pool Pond Routing Summary 78

BMP 1 (OUT)

Pond Routed Hydrograph (total out) 79

Diversion Calculations 80

BMP 1 (IN)

Pond Inflow Summary 92

BMP 2

Elevation-Volume-Flow Table (Pond) 93

BMP 2 (INF)

Pond Infiltration Hydrograph 95

BMP 2 (IN)

Level Pool Pond Routing Summary 98

BMP 2 (OUT)

Pond Routed Hydrograph (total out) 99

BMP 2 (IN)

Pond Inflow Summary 100

BMP 3

Elevation-Volume-Flow Table (Pond) 101

BMP 3 (INF)

Pond Infiltration Hydrograph 103

BMP 3 (IN)

Level Pool Pond Routing Summary 106

BMP 3 (OUT)

Pond Routed Hydrograph (total out) 107

BMP 3 (IN)

Pond Inflow Summary 108

BMP 4

Elevation-Volume-Flow Table (Pond) 109

BMP 4 (INF)

Pond Infiltration Hydrograph 110

BMP 4 (IN)

Table of Contents

	Level Pool Pond Routing Summary	113
BMP 4 (OUT)		
	Pond Routed Hydrograph (total out)	114
	Diversion Calculations	116
BMP 4 (IN)		
	Pond Inflow Summary	128
Outlet-1		
	Diverted Hydrograph	129
Outlet-1A		
	Diverted Hydrograph	130
Outlet-4		
	Diverted Hydrograph	131
Outlet-4A		
	Diverted Hydrograph	133

Subsection: User Notifications

User Notifications?	No user notifications generated.

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DMA 1	Post-Development 100 Year	0	149,998.000	16.194	21.45
DMA 2	Post-Development 100 Year	0	230,758.000	16.283	27.63
DMA 3	Post-Development 100 Year	0	139,793.000	16.194	19.47
DMA 4	Post-Development 100 Year	0	189,075.000	16.194	27.72
Outlet 1A	Post-Development 100 Year	0	35,522.000	16.300	8.95
Outlet 4A	Post-Development 100 Year	0	36,482.000	16.250	13.96

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
O-1	Post-Development 100 Year	0	26,933.000	16.300	4.49
O-1A	Post-Development 100 Year	0	35,521.000	16.300	8.95
O-4	Post-Development 100 Year	0	58,395.000	16.250	5.10
O-4A	Post-Development 100 Year	0	36,486.000	16.250	13.96

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
BMP 1 (IN)	Post-Development 100 Year	0	149,707.000	16.200	20.88	(N/A)	(N/A)
BMP 1 (OUT)	Post-Development 100 Year	0	62,453.000	16.300	13.44	1,370.17	53,688.000
BMP 2 (IN)	Post-Development 100 Year	0	265,830.000	16.300	35.17	(N/A)	(N/A)
BMP 2 (OUT)	Post-Development 100 Year	0	0.000	0.000	0.00	1,368.48	125,249.000

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
BMP 3 (IN)	Post-Development 100 Year	0	176,001.000	16.200	31.12	(N/A)	(N/A)
BMP 3 (OUT)	Post-Development 100 Year	0	0.000	0.000	0.00	1,370.23	95,359.000
BMP 4 (IN)	Post-Development 100 Year	0	188,716.000	16.200	26.99	(N/A)	(N/A)
BMP 4 (OUT)	Post-Development 100 Year	0	94,880.000	16.250	19.05	1,362.99	62,661.000

Subsection: Read Hydrograph
Label: DMA 1

Peak Discharge	21.45 ft³/s
Time to Peak	16.194 hours
Hydrograph Volume	149,997.580 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.167 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.77	0.77	0.78	0.78
0.835	0.79	0.79	0.80	0.80	0.81
1.669	0.81	0.82	0.82	0.83	0.83
2.504	0.84	0.84	0.85	0.86	0.86
3.339	0.87	0.88	0.88	0.89	0.89
4.174	0.90	0.91	0.92	0.92	0.93
5.008	0.94	0.95	0.95	0.96	0.97
5.843	0.98	0.99	1.00	1.01	1.02
6.678	1.03	1.04	1.05	1.06	1.07
7.513	1.08	1.09	1.11	1.12	1.13
8.347	1.14	1.16	1.17	1.19	1.20
9.182	1.22	1.23	1.25	1.27	1.29
10.017	1.30	1.33	1.34	1.37	1.39
10.851	1.42	1.44	1.47	1.49	1.53
11.686	1.55	1.60	1.62	1.88	1.91
12.521	1.96	2.00	2.06	2.10	2.17
13.356	2.22	2.31	2.36	2.47	2.53
14.190	2.64	2.72	2.90	3.01	3.26
15.025	3.41	3.80	4.05	5.46	5.96
15.860	7.25	9.39	21.45	6.68	4.35
16.694	3.59	3.13	2.81	2.60	2.41
17.529	2.26	2.13	2.03	1.94	1.64
18.364	1.57	1.51	1.45	1.40	1.36
19.199	1.32	1.28	1.24	1.21	1.18
20.033	1.15	1.12	1.10	1.08	1.05
20.868	1.03	1.01	0.99	0.98	0.96
21.703	0.94	0.93	0.91	0.90	0.89
22.538	0.87	0.86	0.85	0.84	0.83
23.372	0.81	0.80	0.79	0.79	0.78
24.207	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: DMA 2

Peak Discharge	27.63 ft³/s
Time to Peak	16.283 hours
Hydrograph Volume	230,758.110 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.223 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	1.19	1.20	1.21	1.22
1.115	1.23	1.24	1.25	1.26	1.27
2.231	1.28	1.30	1.30	1.32	1.33
3.346	1.34	1.35	1.37	1.38	1.40
4.461	1.41	1.43	1.44	1.46	1.47
5.576	1.49	1.51	1.53	1.54	1.57
6.692	1.58	1.61	1.62	1.65	1.67
7.807	1.70	1.72	1.75	1.77	1.81
8.922	1.83	1.87	1.90	1.94	1.97
10.038	2.02	2.05	2.11	2.14	2.20
11.153	2.24	2.31	2.35	2.44	2.49
12.268	2.87	2.97	3.10	3.16	3.31
13.383	3.40	3.58	3.69	3.94	4.06
14.499	4.37	4.57	5.09	5.42	6.34
15.614	7.56	10.30	12.39	27.63	9.07
16.729	5.82	4.81	4.19	3.81	3.49
17.844	3.24	3.03	2.54	2.40	2.27
18.960	2.17	2.08	1.99	1.92	1.85
20.075	1.79	1.74	1.69	1.64	1.60
21.190	1.56	1.52	1.48	1.45	1.42
22.306	1.39	1.36	1.34	1.31	1.29
23.421	1.27	1.24	1.22	1.20	(N/A)

Subsection: Read Hydrograph
Label: DMA 3

Peak Discharge	19.47 ft³/s
Time to Peak	16.194 hours
Hydrograph Volume	139,792.600 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.167 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.72	0.72	0.73	0.73
0.835	0.74	0.74	0.75	0.75	0.76
1.669	0.76	0.77	0.77	0.78	0.78
2.504	0.79	0.79	0.80	0.80	0.81
3.339	0.81	0.82	0.82	0.83	0.84
4.174	0.85	0.85	0.86	0.86	0.87
5.008	0.88	0.89	0.89	0.90	0.91
5.843	0.92	0.92	0.94	0.94	0.95
6.678	0.96	0.97	0.98	0.99	1.00
7.513	1.01	1.02	1.04	1.04	1.06
8.347	1.07	1.09	1.09	1.11	1.12
9.182	1.14	1.15	1.17	1.18	1.21
10.017	1.22	1.24	1.26	1.29	1.30
10.851	1.33	1.35	1.38	1.40	1.43
11.686	1.45	1.49	1.52	1.76	1.78
12.521	1.84	1.87	1.93	1.96	2.04
13.356	2.07	2.16	2.21	2.31	2.37
14.190	2.47	2.54	2.72	2.82	3.05
15.025	3.20	3.56	3.79	5.11	5.57
15.860	6.69	8.56	19.47	6.20	4.07
16.694	3.36	2.93	2.63	2.43	2.26
17.529	2.12	2.00	1.90	1.81	1.54
18.364	1.47	1.41	1.36	1.31	1.27
19.199	1.23	1.20	1.16	1.13	1.10
20.033	1.08	1.05	1.03	1.01	0.99
20.868	0.97	0.95	0.93	0.91	0.90
21.703	0.88	0.87	0.85	0.84	0.83
22.538	0.82	0.80	0.79	0.78	0.77
23.372	0.76	0.75	0.74	0.73	0.73
24.207	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: DMA 4

Peak Discharge	27.72 ft³/s
Time to Peak	16.194 hours
Hydrograph Volume	189,074.600 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.167 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.96	0.97	0.97	0.98
0.835	0.99	0.99	1.00	1.00	1.01
1.669	1.01	1.02	1.03	1.04	1.04
2.504	1.05	1.06	1.07	1.07	1.08
3.339	1.09	1.10	1.10	1.11	1.12
4.174	1.13	1.14	1.15	1.15	1.17
5.008	1.17	1.19	1.19	1.21	1.21
5.843	1.23	1.24	1.25	1.26	1.27
6.678	1.28	1.30	1.31	1.33	1.34
7.513	1.35	1.36	1.38	1.40	1.42
8.347	1.43	1.45	1.46	1.49	1.50
9.182	1.53	1.54	1.57	1.58	1.61
10.017	1.63	1.66	1.68	1.72	1.74
10.851	1.78	1.80	1.84	1.87	1.92
11.686	1.94	2.00	2.03	2.35	2.39
12.521	2.46	2.50	2.58	2.62	2.72
13.356	2.77	2.89	2.95	3.09	3.17
14.190	3.30	3.40	3.63	3.76	4.08
15.025	4.27	4.75	5.07	7.03	7.70
15.860	9.37	12.13	27.72	8.63	5.49
16.694	4.49	3.91	3.51	3.25	3.02
17.529	2.83	2.67	2.54	2.42	2.06
18.364	1.97	1.89	1.82	1.76	1.70
19.199	1.65	1.60	1.55	1.51	1.47
20.033	1.44	1.41	1.37	1.35	1.32
20.868	1.29	1.27	1.24	1.22	1.20
21.703	1.18	1.16	1.14	1.12	1.11
22.538	1.09	1.08	1.06	1.05	1.03
23.372	1.02	1.01	0.99	0.98	0.97
24.207	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: Outlet 1A

Peak Discharge	8.95 ft³/s
Time to Peak	16.300 hours
Hydrograph Volume	35,522.100 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	0.00	0.00	0.00
0.250	0.00	0.00	0.00	0.00	0.00
0.500	0.00	0.00	0.00	0.00	0.00
0.750	0.00	0.00	0.00	0.00	0.00
1.000	0.00	0.00	0.00	0.00	0.00
1.250	0.00	0.00	0.00	0.00	0.00
1.500	0.00	0.00	0.00	0.00	0.00
1.750	0.00	0.00	0.00	0.00	0.00
2.000	0.00	0.00	0.00	0.00	0.00
2.250	0.00	0.00	0.00	0.00	0.00
2.500	0.00	0.00	0.00	0.00	0.00
2.750	0.00	0.00	0.00	0.00	0.00
3.000	0.00	0.00	0.00	0.00	0.00
3.250	0.00	0.00	0.00	0.00	0.00
3.500	0.00	0.00	0.00	0.00	0.00
3.750	0.00	0.00	0.00	0.00	0.00
4.000	0.00	0.00	0.00	0.00	0.00
4.250	0.00	0.00	0.00	0.00	0.00
4.500	0.00	0.00	0.00	0.00	0.00
4.750	0.00	0.00	0.00	0.00	0.00
5.000	0.00	0.00	0.00	0.00	0.00
5.250	0.00	0.00	0.00	0.00	0.00
5.500	0.00	0.00	0.00	0.00	0.00
5.750	0.00	0.00	0.00	0.00	0.00
6.000	0.00	0.00	0.00	0.00	0.00
6.250	0.00	0.00	0.00	0.00	0.00
6.500	0.00	0.00	0.00	0.00	0.00
6.750	0.00	0.00	0.00	0.00	0.00
7.000	0.00	0.00	0.00	0.00	0.00
7.250	0.00	0.00	0.00	0.00	0.00
7.500	0.00	0.00	0.00	0.00	0.00
7.750	0.00	0.00	0.00	0.00	0.00
8.000	0.00	0.00	0.00	0.00	0.00
8.250	0.00	0.00	0.00	0.00	0.00
8.500	0.00	0.00	0.00	0.00	0.00
8.750	0.00	0.00	0.00	0.00	0.00
9.000	0.00	0.00	0.00	0.00	0.00
9.250	0.00	0.00	0.00	0.00	0.00
9.500	0.00	0.00	0.00	0.00	0.00

Subsection: Read Hydrograph
Label: Outlet 1A

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.750	0.00	0.00	0.00	0.00	0.00
10.000	0.00	0.00	0.00	0.00	0.00
10.250	0.00	0.00	0.00	0.00	0.00
10.500	0.00	0.00	0.00	0.00	0.00
10.750	0.00	0.00	0.00	0.00	0.00
11.000	0.00	0.00	0.00	0.00	0.00
11.250	0.00	0.00	0.00	0.00	0.00
11.500	0.00	0.00	0.00	0.00	0.00
11.750	0.00	0.00	0.00	0.00	0.00
12.000	0.00	0.00	0.00	0.00	0.00
12.250	0.00	0.00	0.00	0.00	0.00
12.500	0.00	0.00	0.00	0.00	0.00
12.750	0.00	0.00	0.00	0.00	0.00
13.000	0.00	0.00	0.00	0.00	0.00
13.250	0.00	0.00	0.00	0.00	0.00
13.500	0.00	0.00	0.00	0.00	0.00
13.750	0.00	0.00	0.00	0.00	0.00
14.000	0.00	0.00	0.00	0.00	0.00
14.250	0.00	0.00	0.00	0.00	0.00
14.500	0.00	0.00	0.00	0.01	0.03
14.750	0.05	0.07	0.09	0.11	0.13
15.000	0.16	0.30	0.53	0.73	0.91
15.250	1.06	1.20	1.32	1.43	1.57
15.500	1.72	1.90	2.16	2.38	2.57
15.750	2.76	2.96	3.18	3.42	3.70
16.000	4.01	4.47	5.32	6.67	8.27
16.250	8.91	8.95	8.49	7.42	6.28
16.500	5.28	4.46	3.82	3.31	2.89
16.750	2.55	2.27	2.04	1.85	1.76
17.000	1.68	1.60	1.53	1.46	1.40
17.250	1.35	1.30	1.25	1.21	1.16
17.500	1.13	1.09	1.06	1.03	1.00
17.750	0.97	0.94	0.92	0.90	0.88
18.000	0.85	0.83	0.81	0.78	0.75
18.250	0.72	0.69	0.67	0.64	0.62
18.500	0.61	0.59	0.57	0.56	0.54
18.750	0.53	0.52	0.51	0.50	0.49
19.000	0.48	0.47	0.46	0.45	0.44
19.250	0.44	0.43	0.42	0.41	0.41
19.500	0.40	0.39	0.39	0.38	0.37
19.750	0.37	0.36	0.36	0.35	0.35
20.000	0.34	0.33	0.33	0.32	0.32
20.250	0.31	0.31	0.31	0.30	0.30
20.500	0.29	0.29	0.29	0.28	0.28

Subsection: Read Hydrograph
Label: Outlet 1A

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.750	0.27	0.27	0.26	0.26	0.26
21.000	0.25	0.25	0.25	0.24	0.24
21.250	0.24	0.23	0.23	0.23	0.22
21.500	0.22	0.22	0.22	0.21	0.21
21.750	0.21	0.20	0.20	0.20	0.20
22.000	0.19	0.19	0.19	0.19	0.18
22.250	0.18	0.18	0.18	0.18	0.17
22.500	0.17	0.17	0.17	0.17	0.17
22.750	0.16	0.16	0.16	0.16	0.16
23.000	0.16	0.16	0.16	0.16	0.16
23.250	0.16	0.16	0.16	0.16	0.16
23.500	0.16	0.16	0.16	0.16	0.16
23.750	0.16	0.15	0.15	0.15	0.15
24.000	0.15	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: Outlet 4A

Peak Discharge	13.96 ft³/s
Time to Peak	16.250 hours
Hydrograph Volume	36,482.400 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	0.00	0.00	0.00
0.250	0.00	0.00	0.00	0.00	0.00
0.500	0.00	0.00	0.00	0.00	0.00
0.750	0.00	0.00	0.00	0.00	0.00
1.000	0.00	0.00	0.00	0.00	0.00
1.250	0.00	0.00	0.00	0.00	0.00
1.500	0.00	0.00	0.00	0.00	0.00
1.750	0.00	0.00	0.00	0.00	0.00
2.000	0.00	0.00	0.00	0.00	0.00
2.250	0.00	0.00	0.00	0.00	0.00
2.500	0.00	0.00	0.00	0.00	0.00
2.750	0.00	0.00	0.00	0.00	0.00
3.000	0.00	0.00	0.00	0.00	0.00
3.250	0.00	0.00	0.00	0.00	0.00
3.500	0.00	0.00	0.00	0.00	0.00
3.750	0.00	0.00	0.00	0.00	0.00
4.000	0.00	0.00	0.00	0.00	0.00
4.250	0.00	0.00	0.00	0.00	0.00
4.500	0.00	0.00	0.00	0.00	0.00
4.750	0.00	0.00	0.00	0.00	0.00
5.000	0.00	0.00	0.00	0.00	0.00
5.250	0.00	0.00	0.00	0.00	0.00
5.500	0.00	0.00	0.00	0.00	0.00
5.750	0.00	0.00	0.00	0.00	0.00
6.000	0.00	0.00	0.00	0.00	0.00
6.250	0.00	0.00	0.00	0.00	0.00
6.500	0.00	0.00	0.00	0.00	0.00
6.750	0.00	0.00	0.00	0.00	0.00
7.000	0.00	0.00	0.00	0.00	0.00
7.250	0.00	0.00	0.00	0.00	0.00
7.500	0.00	0.00	0.00	0.00	0.00
7.750	0.00	0.00	0.00	0.00	0.00
8.000	0.00	0.00	0.00	0.00	0.00
8.250	0.00	0.00	0.00	0.00	0.00
8.500	0.00	0.00	0.00	0.00	0.00
8.750	0.00	0.00	0.00	0.00	0.00
9.000	0.00	0.00	0.00	0.00	0.00
9.250	0.00	0.00	0.00	0.00	0.00
9.500	0.00	0.00	0.00	0.00	0.00

Subsection: Read Hydrograph
Label: Outlet 4A

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.750	0.00	0.00	0.00	0.00	0.00
10.000	0.00	0.00	0.00	0.00	0.00
10.250	0.00	0.00	0.00	0.00	0.00
10.500	0.00	0.00	0.00	0.00	0.00
10.750	0.00	0.00	0.00	0.00	0.00
11.000	0.00	0.00	0.00	0.00	0.00
11.250	0.00	0.00	0.00	0.00	0.00
11.500	0.00	0.00	0.00	0.00	0.00
11.750	0.00	0.00	0.00	0.00	0.00
12.000	0.00	0.00	0.00	0.00	0.00
12.250	0.00	0.00	0.00	0.00	0.00
12.500	0.00	0.00	0.00	0.00	0.00
12.750	0.00	0.00	0.00	0.00	0.00
13.000	0.00	0.00	0.00	0.00	0.00
13.250	0.00	0.00	0.00	0.00	0.00
13.500	0.00	0.00	0.00	0.01	0.02
13.750	0.04	0.05	0.06	0.07	0.08
14.000	0.09	0.10	0.11	0.12	0.13
14.250	0.14	0.15	0.16	0.16	0.17
14.500	0.18	0.19	0.22	0.30	0.38
14.750	0.45	0.52	0.59	0.65	0.72
15.000	0.77	0.83	0.89	0.95	1.02
15.250	1.09	1.15	1.22	1.29	1.40
15.500	1.54	1.70	1.87	2.03	2.18
15.750	2.53	2.93	3.34	3.77	4.25
16.000	4.77	5.49	6.96	9.36	12.16
16.250	13.96	13.62	11.82	9.67	7.83
16.500	6.28	5.25	4.44	3.75	3.16
16.750	2.67	2.25	2.09	1.95	1.82
17.000	1.70	1.58	1.47	1.37	1.28
17.250	1.19	1.11	1.04	0.96	0.90
17.500	0.83	0.77	0.72	0.66	0.62
17.750	0.57	0.52	0.48	0.44	0.41
18.000	0.37	0.34	0.30	0.26	0.22
18.250	0.19	0.19	0.18	0.18	0.18
18.500	0.17	0.17	0.17	0.17	0.16
18.750	0.16	0.16	0.15	0.15	0.15
19.000	0.15	0.14	0.14	0.14	0.14
19.250	0.14	0.13	0.13	0.13	0.13
19.500	0.12	0.12	0.12	0.12	0.12
19.750	0.12	0.11	0.11	0.11	0.11
20.000	0.11	0.11	0.10	0.10	0.10
20.250	0.10	0.10	0.10	0.10	0.09
20.500	0.09	0.09	0.09	0.09	0.09

Subsection: Read Hydrograph
Label: Outlet 4A

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.750	0.09	0.09	0.09	0.08	0.08
21.000	0.08	0.08	0.08	0.08	0.08
21.250	0.08	0.08	0.08	0.08	0.07
21.500	0.07	0.07	0.07	0.07	0.07
21.750	0.07	0.07	0.07	0.07	0.07
22.000	0.07	0.07	0.06	0.06	0.06
22.250	0.06	0.06	0.06	0.06	0.06
22.500	0.06	0.06	0.06	0.06	0.06
22.750	0.06	0.06	0.06	0.05	0.05
23.000	0.05	0.05	0.05	0.05	0.05
23.250	0.05	0.05	0.05	0.05	0.05
23.500	0.05	0.05	0.05	0.05	0.05
23.750	0.05	0.05	0.05	0.05	0.05
24.000	0.04	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Addition Summary
Label: O-1

Summary for Hydrograph Addition at 'O-1'

Upstream Link	Upstream Node
Outlet-1	BMP 1

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	Outlet-1	26,932.793	16.300	4.49
Flow (In)	O-1	26,932.793	16.300	4.49

Subsection: Addition Summary
Label: O-1A

Summary for Hydrograph Addition at 'O-1A'

Upstream Link	Upstream Node
Outlet-1A	BMP 1

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	Outlet-1A	35,520.546	16.300	8.95
Flow (In)	O-1A	35,520.546	16.300	8.95

Subsection: Addition Summary
Label: O-4

Summary for Hydrograph Addition at 'O-4'

Upstream Link	Upstream Node
Outlet-4	BMP 4

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	Outlet-4	58,394.569	16.250	5.10
Flow (In)	O-4	58,394.569	16.250	5.10

Subsection: Addition Summary
Label: O-4A

Summary for Hydrograph Addition at 'O-4A'

Upstream Link	Upstream Node
Outlet-4A	BMP 4

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	Outlet-4A	36,485.553	16.250	13.96
Flow (In)	O-4A	36,485.553	16.250	13.96

Subsection: Time vs. Elevation
Label: BMP 1 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	1,364.00	1,364.00	1,364.01	1,364.03	1,364.05
0.250	1,364.07	1,364.10	1,364.12	1,364.14	1,364.16
0.500	1,364.17	1,364.19	1,364.21	1,364.23	1,364.24
0.750	1,364.26	1,364.28	1,364.29	1,364.31	1,364.32
1.000	1,364.34	1,364.35	1,364.36	1,364.38	1,364.39
1.250	1,364.40	1,364.41	1,364.42	1,364.43	1,364.44
1.500	1,364.46	1,364.47	1,364.48	1,364.49	1,364.49
1.750	1,364.50	1,364.51	1,364.51	1,364.52	1,364.53
2.000	1,364.53	1,364.54	1,364.54	1,364.55	1,364.56
2.250	1,364.56	1,364.57	1,364.57	1,364.58	1,364.59
2.500	1,364.59	1,364.60	1,364.61	1,364.61	1,364.62
2.750	1,364.62	1,364.63	1,364.64	1,364.64	1,364.65
3.000	1,364.66	1,364.66	1,364.67	1,364.68	1,364.68
3.250	1,364.69	1,364.70	1,364.70	1,364.71	1,364.72
3.500	1,364.73	1,364.73	1,364.74	1,364.75	1,364.75
3.750	1,364.76	1,364.77	1,364.78	1,364.78	1,364.79
4.000	1,364.80	1,364.80	1,364.81	1,364.82	1,364.83
4.250	1,364.83	1,364.84	1,364.85	1,364.86	1,364.87
4.500	1,364.87	1,364.88	1,364.89	1,364.90	1,364.90
4.750	1,364.91	1,364.92	1,364.93	1,364.94	1,364.95
5.000	1,364.95	1,364.96	1,364.97	1,364.98	1,364.99
5.250	1,365.00	1,365.00	1,365.01	1,365.02	1,365.02
5.500	1,365.03	1,365.03	1,365.04	1,365.05	1,365.05
5.750	1,365.06	1,365.07	1,365.07	1,365.08	1,365.09
6.000	1,365.10	1,365.10	1,365.11	1,365.12	1,365.12
6.250	1,365.13	1,365.14	1,365.14	1,365.15	1,365.16
6.500	1,365.17	1,365.17	1,365.18	1,365.19	1,365.20
6.750	1,365.20	1,365.21	1,365.22	1,365.23	1,365.23
7.000	1,365.24	1,365.25	1,365.26	1,365.27	1,365.27
7.250	1,365.28	1,365.29	1,365.30	1,365.31	1,365.31
7.500	1,365.32	1,365.33	1,365.34	1,365.35	1,365.35
7.750	1,365.36	1,365.37	1,365.38	1,365.39	1,365.40
8.000	1,365.41	1,365.42	1,365.42	1,365.43	1,365.44
8.250	1,365.45	1,365.46	1,365.47	1,365.48	1,365.49
8.500	1,365.50	1,365.51	1,365.52	1,365.53	1,365.54
8.750	1,365.55	1,365.56	1,365.57	1,365.58	1,365.59
9.000	1,365.60	1,365.61	1,365.62	1,365.63	1,365.64
9.250	1,365.65	1,365.66	1,365.67	1,365.68	1,365.69
9.500	1,365.70	1,365.71	1,365.72	1,365.74	1,365.75
9.750	1,365.76	1,365.77	1,365.78	1,365.79	1,365.81
10.000	1,365.82	1,365.83	1,365.84	1,365.85	1,365.87
10.250	1,365.88	1,365.89	1,365.90	1,365.91	1,365.93
10.500	1,365.94	1,365.95	1,365.97	1,365.98	1,365.99

Subsection: Time vs. Elevation
Label: BMP 1 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
10.750	1,366.01	1,366.02	1,366.03	1,366.05	1,366.06
11.000	1,366.08	1,366.09	1,366.10	1,366.12	1,366.13
11.250	1,366.15	1,366.16	1,366.18	1,366.19	1,366.21
11.500	1,366.23	1,366.24	1,366.26	1,366.27	1,366.29
11.750	1,366.31	1,366.32	1,366.34	1,366.36	1,366.37
12.000	1,366.39	1,366.41	1,366.43	1,366.44	1,366.47
12.250	1,366.49	1,366.51	1,366.53	1,366.55	1,366.58
12.500	1,366.60	1,366.62	1,366.65	1,366.67	1,366.70
12.750	1,366.72	1,366.75	1,366.77	1,366.80	1,366.82
13.000	1,366.85	1,366.87	1,366.90	1,366.93	1,366.95
13.250	1,366.98	1,367.01	1,367.04	1,367.07	1,367.10
13.500	1,367.13	1,367.16	1,367.19	1,367.22	1,367.26
13.750	1,367.29	1,367.32	1,367.35	1,367.39	1,367.42
14.000	1,367.46	1,367.49	1,367.53	1,367.57	1,367.61
14.250	1,367.66	1,367.70	1,367.74	1,367.78	1,367.83
14.500	1,367.87	1,367.92	1,367.97	1,368.02	1,368.08
14.750	1,368.15	1,368.21	1,368.28	1,368.34	1,368.41
15.000	1,368.47	1,368.54	1,368.61	1,368.67	1,368.72
15.250	1,368.77	1,368.81	1,368.84	1,368.88	1,368.92
15.500	1,368.96	1,369.01	1,369.05	1,369.09	1,369.12
15.750	1,369.15	1,369.18	1,369.22	1,369.26	1,369.30
16.000	1,369.35	1,369.43	1,369.56	1,369.76	1,370.00
16.250	1,370.16	1,370.17	1,370.05	1,369.87	1,369.70
16.500	1,369.56	1,369.43	1,369.32	1,369.24	1,369.17
16.750	1,369.11	1,369.07	1,369.03	1,369.00	1,368.97
17.000	1,368.95	1,368.92	1,368.90	1,368.88	1,368.87
17.250	1,368.85	1,368.83	1,368.82	1,368.81	1,368.80
17.500	1,368.78	1,368.77	1,368.76	1,368.75	1,368.75
17.750	1,368.74	1,368.73	1,368.72	1,368.72	1,368.71
18.000	1,368.70	1,368.70	1,368.69	1,368.68	1,368.67
18.250	1,368.66	1,368.66	1,368.65	1,368.64	1,368.64
18.500	1,368.63	1,368.63	1,368.62	1,368.62	1,368.61
18.750	1,368.61	1,368.60	1,368.60	1,368.60	1,368.59
19.000	1,368.59	1,368.59	1,368.59	1,368.58	1,368.58
19.250	1,368.58	1,368.58	1,368.58	1,368.57	1,368.57
19.500	1,368.57	1,368.57	1,368.57	1,368.56	1,368.56
19.750	1,368.56	1,368.56	1,368.56	1,368.55	1,368.55
20.000	1,368.55	1,368.55	1,368.55	1,368.55	1,368.55
20.250	1,368.54	1,368.54	1,368.54	1,368.54	1,368.54
20.500	1,368.54	1,368.54	1,368.54	1,368.53	1,368.53
20.750	1,368.53	1,368.53	1,368.53	1,368.53	1,368.53
21.000	1,368.53	1,368.52	1,368.52	1,368.52	1,368.52
21.250	1,368.52	1,368.52	1,368.52	1,368.52	1,368.52

Subsection: Time vs. Elevation
Label: BMP 1 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
21.500	1,368.52	1,368.52	1,368.51	1,368.51	1,368.51
21.750	1,368.51	1,368.51	1,368.51	1,368.51	1,368.51
22.000	1,368.51	1,368.51	1,368.51	1,368.51	1,368.51
22.250	1,368.50	1,368.50	1,368.50	1,368.50	1,368.50
22.500	1,368.50	1,368.50	1,368.50	1,368.50	1,368.50
22.750	1,368.50	1,368.50	1,368.50	1,368.50	1,368.49
23.000	1,368.49	1,368.49	1,368.49	1,368.49	1,368.49
23.250	1,368.49	1,368.49	1,368.48	1,368.48	1,368.48
23.500	1,368.48	1,368.48	1,368.48	1,368.47	1,368.47
23.750	1,368.47	1,368.47	1,368.47	1,368.46	1,368.46
24.000	1,368.46	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: BMP 2 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	1,365.10	1,365.10	1,365.10	1,365.11	1,365.11
0.250	1,365.12	1,365.13	1,365.13	1,365.13	1,365.14
0.500	1,365.14	1,365.14	1,365.14	1,365.15	1,365.15
0.750	1,365.15	1,365.15	1,365.15	1,365.15	1,365.15
1.000	1,365.15	1,365.15	1,365.15	1,365.15	1,365.15
1.250	1,365.15	1,365.15	1,365.15	1,365.15	1,365.15
1.500	1,365.15	1,365.15	1,365.15	1,365.15	1,365.15
1.750	1,365.15	1,365.15	1,365.15	1,365.15	1,365.15
2.000	1,365.15	1,365.16	1,365.16	1,365.16	1,365.16
2.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
2.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
2.750	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.000	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.750	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
4.000	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
4.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
4.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
4.750	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
5.000	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
5.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
5.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
5.750	1,365.16	1,365.17	1,365.17	1,365.17	1,365.17
6.000	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.250	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.500	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.750	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
7.000	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
7.250	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
7.500	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
7.750	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
8.000	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
8.250	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
8.500	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
8.750	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
9.000	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
9.250	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
9.500	1,365.18	1,365.19	1,365.19	1,365.19	1,365.19
9.750	1,365.19	1,365.19	1,365.19	1,365.19	1,365.20
10.000	1,365.20	1,365.20	1,365.20	1,365.20	1,365.20
10.250	1,365.21	1,365.21	1,365.21	1,365.21	1,365.22
10.500	1,365.22	1,365.22	1,365.22	1,365.23	1,365.23

Subsection: Time vs. Elevation
Label: BMP 2 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
10.750	1,365.23	1,365.24	1,365.24	1,365.24	1,365.25
11.000	1,365.25	1,365.25	1,365.26	1,365.26	1,365.26
11.250	1,365.27	1,365.27	1,365.28	1,365.28	1,365.29
11.500	1,365.29	1,365.29	1,365.30	1,365.30	1,365.31
11.750	1,365.31	1,365.32	1,365.32	1,365.33	1,365.33
12.000	1,365.34	1,365.34	1,365.35	1,365.36	1,365.36
12.250	1,365.37	1,365.38	1,365.39	1,365.40	1,365.41
12.500	1,365.42	1,365.43	1,365.44	1,365.45	1,365.46
12.750	1,365.47	1,365.49	1,365.50	1,365.51	1,365.52
13.000	1,365.53	1,365.55	1,365.56	1,365.57	1,365.58
13.250	1,365.60	1,365.61	1,365.62	1,365.64	1,365.65
13.500	1,365.66	1,365.68	1,365.69	1,365.71	1,365.73
13.750	1,365.74	1,365.76	1,365.78	1,365.79	1,365.81
14.000	1,365.83	1,365.85	1,365.86	1,365.86	1,365.87
14.250	1,365.88	1,365.89	1,365.90	1,365.91	1,365.92
14.500	1,365.93	1,365.94	1,365.95	1,365.96	1,365.97
14.750	1,365.98	1,366.00	1,366.01	1,366.02	1,366.03
15.000	1,366.05	1,366.06	1,366.08	1,366.09	1,366.11
15.250	1,366.13	1,366.15	1,366.17	1,366.19	1,366.22
15.500	1,366.25	1,366.28	1,366.31	1,366.34	1,366.37
15.750	1,366.41	1,366.46	1,366.51	1,366.56	1,366.61
16.000	1,366.66	1,366.72	1,366.80	1,366.88	1,366.99
16.250	1,367.12	1,367.26	1,367.39	1,367.51	1,367.60
16.500	1,367.66	1,367.72	1,367.77	1,367.81	1,367.84
16.750	1,367.87	1,367.90	1,367.92	1,367.95	1,367.97
17.000	1,368.00	1,368.02	1,368.04	1,368.05	1,368.07
17.250	1,368.09	1,368.10	1,368.12	1,368.13	1,368.15
17.500	1,368.16	1,368.17	1,368.19	1,368.20	1,368.22
17.750	1,368.23	1,368.24	1,368.25	1,368.26	1,368.28
18.000	1,368.29	1,368.30	1,368.30	1,368.31	1,368.32
18.250	1,368.33	1,368.33	1,368.34	1,368.35	1,368.35
18.500	1,368.36	1,368.36	1,368.37	1,368.37	1,368.38
18.750	1,368.38	1,368.39	1,368.39	1,368.40	1,368.40
19.000	1,368.40	1,368.41	1,368.41	1,368.42	1,368.42
19.250	1,368.42	1,368.42	1,368.43	1,368.43	1,368.43
19.500	1,368.44	1,368.44	1,368.44	1,368.44	1,368.45
19.750	1,368.45	1,368.45	1,368.45	1,368.46	1,368.46
20.000	1,368.46	1,368.46	1,368.46	1,368.46	1,368.47
20.250	1,368.47	1,368.47	1,368.47	1,368.47	1,368.47
20.500	1,368.47	1,368.47	1,368.47	1,368.47	1,368.47
20.750	1,368.47	1,368.48	1,368.48	1,368.48	1,368.48
21.000	1,368.48	1,368.48	1,368.48	1,368.48	1,368.48
21.250	1,368.48	1,368.48	1,368.48	1,368.47	1,368.47

Subsection: Time vs. Elevation
Label: BMP 2 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
21.500	1,368.47	1,368.47	1,368.47	1,368.47	1,368.47
21.750	1,368.47	1,368.47	1,368.47	1,368.47	1,368.47
22.000	1,368.47	1,368.46	1,368.46	1,368.46	1,368.46
22.250	1,368.46	1,368.46	1,368.46	1,368.46	1,368.45
22.500	1,368.45	1,368.45	1,368.45	1,368.45	1,368.45
22.750	1,368.44	1,368.44	1,368.44	1,368.44	1,368.44
23.000	1,368.43	1,368.43	1,368.43	1,368.43	1,368.43
23.250	1,368.43	1,368.42	1,368.42	1,368.42	1,368.42
23.500	1,368.42	1,368.41	1,368.41	1,368.41	1,368.41
23.750	1,368.41	1,368.40	1,368.40	1,368.40	1,368.40
24.000	1,368.40	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: BMP 3 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	1,365.10	1,365.10	1,365.11	1,365.11	1,365.12
0.250	1,365.13	1,365.13	1,365.14	1,365.14	1,365.14
0.500	1,365.15	1,365.15	1,365.15	1,365.15	1,365.15
0.750	1,365.15	1,365.15	1,365.15	1,365.16	1,365.16
1.000	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
1.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
1.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
1.750	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
2.000	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
2.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
2.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
2.750	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.000	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.250	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.500	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
3.750	1,365.16	1,365.16	1,365.16	1,365.16	1,365.16
4.000	1,365.16	1,365.17	1,365.17	1,365.17	1,365.17
4.250	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
4.500	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
4.750	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
5.000	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
5.250	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
5.500	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
5.750	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.000	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.250	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.500	1,365.17	1,365.17	1,365.17	1,365.17	1,365.17
6.750	1,365.17	1,365.17	1,365.17	1,365.18	1,365.18
7.000	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
7.250	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
7.500	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
7.750	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
8.000	1,365.18	1,365.18	1,365.18	1,365.18	1,365.18
8.250	1,365.18	1,365.18	1,365.19	1,365.19	1,365.19
8.500	1,365.19	1,365.19	1,365.19	1,365.19	1,365.19
8.750	1,365.19	1,365.20	1,365.20	1,365.20	1,365.20
9.000	1,365.20	1,365.20	1,365.21	1,365.21	1,365.21
9.250	1,365.21	1,365.21	1,365.22	1,365.22	1,365.22
9.500	1,365.22	1,365.23	1,365.23	1,365.23	1,365.23
9.750	1,365.24	1,365.24	1,365.24	1,365.25	1,365.25
10.000	1,365.25	1,365.26	1,365.26	1,365.26	1,365.27
10.250	1,365.27	1,365.27	1,365.28	1,365.28	1,365.29
10.500	1,365.29	1,365.29	1,365.30	1,365.30	1,365.31

Subsection: Time vs. Elevation
Label: BMP 3 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
10.750	1,365.31	1,365.31	1,365.32	1,365.32	1,365.33
11.000	1,365.33	1,365.34	1,365.34	1,365.35	1,365.35
11.250	1,365.36	1,365.37	1,365.37	1,365.38	1,365.38
11.500	1,365.39	1,365.40	1,365.40	1,365.41	1,365.41
11.750	1,365.42	1,365.43	1,365.44	1,365.44	1,365.45
12.000	1,365.46	1,365.47	1,365.48	1,365.49	1,365.50
12.250	1,365.52	1,365.53	1,365.54	1,365.55	1,365.56
12.500	1,365.57	1,365.59	1,365.60	1,365.61	1,365.62
12.750	1,365.64	1,365.65	1,365.66	1,365.68	1,365.69
13.000	1,365.71	1,365.73	1,365.74	1,365.76	1,365.78
13.250	1,365.79	1,365.81	1,365.82	1,365.84	1,365.85
13.500	1,365.86	1,365.87	1,365.88	1,365.88	1,365.89
13.750	1,365.90	1,365.91	1,365.92	1,365.93	1,365.94
14.000	1,365.95	1,365.96	1,365.97	1,365.98	1,366.00
14.250	1,366.01	1,366.02	1,366.03	1,366.04	1,366.06
14.500	1,366.07	1,366.08	1,366.10	1,366.11	1,366.12
14.750	1,366.14	1,366.16	1,366.17	1,366.19	1,366.22
15.000	1,366.24	1,366.26	1,366.28	1,366.31	1,366.33
15.250	1,366.36	1,366.38	1,366.41	1,366.44	1,366.48
15.500	1,366.52	1,366.56	1,366.60	1,366.65	1,366.70
15.750	1,366.76	1,366.81	1,366.87	1,366.94	1,367.03
16.000	1,367.11	1,367.21	1,367.35	1,367.52	1,367.74
16.250	1,367.97	1,368.19	1,368.37	1,368.52	1,368.63
16.500	1,368.73	1,368.82	1,368.89	1,368.96	1,369.02
16.750	1,369.08	1,369.12	1,369.17	1,369.21	1,369.26
17.000	1,369.30	1,369.34	1,369.38	1,369.42	1,369.46
17.250	1,369.50	1,369.54	1,369.57	1,369.61	1,369.64
17.500	1,369.67	1,369.70	1,369.73	1,369.76	1,369.79
17.750	1,369.81	1,369.83	1,369.85	1,369.87	1,369.89
18.000	1,369.91	1,369.93	1,369.95	1,369.96	1,369.97
18.250	1,369.99	1,370.00	1,370.01	1,370.02	1,370.03
18.500	1,370.04	1,370.05	1,370.05	1,370.06	1,370.07
18.750	1,370.08	1,370.09	1,370.09	1,370.10	1,370.11
19.000	1,370.11	1,370.12	1,370.12	1,370.13	1,370.13
19.250	1,370.14	1,370.14	1,370.15	1,370.15	1,370.16
19.500	1,370.16	1,370.17	1,370.17	1,370.17	1,370.18
19.750	1,370.18	1,370.18	1,370.19	1,370.19	1,370.19
20.000	1,370.20	1,370.20	1,370.20	1,370.21	1,370.21
20.250	1,370.21	1,370.21	1,370.21	1,370.22	1,370.22
20.500	1,370.22	1,370.22	1,370.22	1,370.22	1,370.22
20.750	1,370.22	1,370.23	1,370.23	1,370.23	1,370.23
21.000	1,370.23	1,370.23	1,370.23	1,370.23	1,370.23
21.250	1,370.23	1,370.23	1,370.23	1,370.23	1,370.23

Subsection: Time vs. Elevation
Label: BMP 3 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
21.500	1,370.22	1,370.22	1,370.22	1,370.22	1,370.22
21.750	1,370.22	1,370.22	1,370.22	1,370.22	1,370.21
22.000	1,370.21	1,370.21	1,370.21	1,370.21	1,370.21
22.250	1,370.20	1,370.20	1,370.20	1,370.20	1,370.19
22.500	1,370.19	1,370.19	1,370.19	1,370.18	1,370.18
22.750	1,370.18	1,370.18	1,370.17	1,370.17	1,370.17
23.000	1,370.17	1,370.16	1,370.16	1,370.16	1,370.15
23.250	1,370.15	1,370.15	1,370.15	1,370.14	1,370.14
23.500	1,370.14	1,370.13	1,370.13	1,370.13	1,370.12
23.750	1,370.12	1,370.11	1,370.11	1,370.11	1,370.10
24.000	1,370.10	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: BMP 4 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	1,356.25	1,356.25	1,356.27	1,356.29	1,356.31
0.250	1,356.33	1,356.36	1,356.38	1,356.41	1,356.43
0.500	1,356.45	1,356.47	1,356.49	1,356.51	1,356.53
0.750	1,356.55	1,356.57	1,356.58	1,356.60	1,356.62
1.000	1,356.63	1,356.65	1,356.66	1,356.68	1,356.69
1.250	1,356.71	1,356.72	1,356.73	1,356.75	1,356.76
1.500	1,356.77	1,356.78	1,356.80	1,356.81	1,356.82
1.750	1,356.83	1,356.85	1,356.86	1,356.87	1,356.88
2.000	1,356.90	1,356.91	1,356.92	1,356.94	1,356.95
2.250	1,356.96	1,356.98	1,356.99	1,357.00	1,357.02
2.500	1,357.03	1,357.04	1,357.06	1,357.07	1,357.09
2.750	1,357.10	1,357.11	1,357.13	1,357.14	1,357.16
3.000	1,357.17	1,357.18	1,357.20	1,357.21	1,357.23
3.250	1,357.24	1,357.26	1,357.27	1,357.29	1,357.30
3.500	1,357.32	1,357.33	1,357.35	1,357.36	1,357.38
3.750	1,357.39	1,357.41	1,357.42	1,357.44	1,357.45
4.000	1,357.47	1,357.48	1,357.50	1,357.52	1,357.53
4.250	1,357.55	1,357.56	1,357.58	1,357.60	1,357.61
4.500	1,357.63	1,357.65	1,357.66	1,357.68	1,357.70
4.750	1,357.71	1,357.73	1,357.75	1,357.76	1,357.78
5.000	1,357.80	1,357.81	1,357.83	1,357.85	1,357.87
5.250	1,357.88	1,357.90	1,357.92	1,357.94	1,357.95
5.500	1,357.97	1,357.99	1,358.01	1,358.03	1,358.05
5.750	1,358.06	1,358.08	1,358.10	1,358.12	1,358.14
6.000	1,358.16	1,358.18	1,358.20	1,358.22	1,358.23
6.250	1,358.25	1,358.26	1,358.27	1,358.28	1,358.29
6.500	1,358.30	1,358.31	1,358.32	1,358.33	1,358.33
6.750	1,358.34	1,358.35	1,358.36	1,358.37	1,358.38
7.000	1,358.39	1,358.40	1,358.41	1,358.42	1,358.43
7.250	1,358.44	1,358.45	1,358.46	1,358.47	1,358.48
7.500	1,358.49	1,358.50	1,358.51	1,358.52	1,358.53
7.750	1,358.54	1,358.56	1,358.57	1,358.58	1,358.59
8.000	1,358.60	1,358.61	1,358.62	1,358.63	1,358.64
8.250	1,358.65	1,358.66	1,358.68	1,358.69	1,358.70
8.500	1,358.71	1,358.72	1,358.73	1,358.75	1,358.76
8.750	1,358.77	1,358.78	1,358.79	1,358.81	1,358.82
9.000	1,358.83	1,358.84	1,358.86	1,358.87	1,358.88
9.250	1,358.90	1,358.91	1,358.92	1,358.94	1,358.95
9.500	1,358.96	1,358.98	1,358.99	1,359.00	1,359.02
9.750	1,359.03	1,359.04	1,359.06	1,359.07	1,359.09
10.000	1,359.10	1,359.11	1,359.13	1,359.14	1,359.16
10.250	1,359.17	1,359.19	1,359.20	1,359.22	1,359.23
10.500	1,359.25	1,359.27	1,359.28	1,359.30	1,359.31

Subsection: Time vs. Elevation
Label: BMP 4 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
10.750	1,359.33	1,359.35	1,359.36	1,359.38	1,359.40
11.000	1,359.41	1,359.43	1,359.45	1,359.47	1,359.48
11.250	1,359.50	1,359.52	1,359.54	1,359.56	1,359.57
11.500	1,359.59	1,359.61	1,359.63	1,359.65	1,359.67
11.750	1,359.69	1,359.71	1,359.73	1,359.75	1,359.77
12.000	1,359.79	1,359.81	1,359.83	1,359.86	1,359.88
12.250	1,359.91	1,359.94	1,359.96	1,359.99	1,360.02
12.500	1,360.04	1,360.07	1,360.10	1,360.13	1,360.15
12.750	1,360.18	1,360.21	1,360.24	1,360.27	1,360.30
13.000	1,360.33	1,360.36	1,360.39	1,360.43	1,360.46
13.250	1,360.49	1,360.53	1,360.56	1,360.59	1,360.63
13.500	1,360.66	1,360.70	1,360.73	1,360.77	1,360.81
13.750	1,360.84	1,360.88	1,360.91	1,360.94	1,360.97
14.000	1,361.00	1,361.02	1,361.05	1,361.07	1,361.09
14.250	1,361.12	1,361.14	1,361.16	1,361.18	1,361.20
14.500	1,361.22	1,361.24	1,361.26	1,361.28	1,361.30
14.750	1,361.31	1,361.33	1,361.35	1,361.36	1,361.38
15.000	1,361.39	1,361.41	1,361.42	1,361.44	1,361.45
15.250	1,361.47	1,361.49	1,361.50	1,361.52	1,361.55
15.500	1,361.58	1,361.62	1,361.66	1,361.70	1,361.74
15.750	1,361.79	1,361.84	1,361.90	1,361.95	1,362.02
16.000	1,362.08	1,362.18	1,362.34	1,362.57	1,362.84
16.250	1,362.99	1,362.96	1,362.81	1,362.60	1,362.42
16.500	1,362.27	1,362.15	1,362.04	1,361.95	1,361.87
16.750	1,361.81	1,361.76	1,361.72	1,361.68	1,361.65
17.000	1,361.62	1,361.59	1,361.57	1,361.54	1,361.52
17.250	1,361.50	1,361.48	1,361.46	1,361.44	1,361.42
17.500	1,361.41	1,361.39	1,361.38	1,361.37	1,361.35
17.750	1,361.34	1,361.33	1,361.32	1,361.31	1,361.30
18.000	1,361.29	1,361.29	1,361.28	1,361.27	1,361.26
18.250	1,361.25	1,361.24	1,361.23	1,361.22	1,361.21
18.500	1,361.20	1,361.20	1,361.19	1,361.18	1,361.17
18.750	1,361.17	1,361.16	1,361.15	1,361.15	1,361.14
19.000	1,361.13	1,361.13	1,361.12	1,361.11	1,361.11
19.250	1,361.10	1,361.10	1,361.09	1,361.09	1,361.08
19.500	1,361.08	1,361.07	1,361.07	1,361.06	1,361.06
19.750	1,361.05	1,361.05	1,361.04	1,361.04	1,361.03
20.000	1,361.03	1,361.03	1,361.02	1,361.02	1,361.01
20.250	1,361.01	1,361.01	1,361.00	1,361.00	1,361.00
20.500	1,360.99	1,360.99	1,360.99	1,360.98	1,360.98
20.750	1,360.98	1,360.98	1,360.97	1,360.97	1,360.97
21.000	1,360.96	1,360.96	1,360.96	1,360.96	1,360.95
21.250	1,360.95	1,360.95	1,360.95	1,360.95	1,360.94

Subsection: Time vs. Elevation
Label: BMP 4 (IN)

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
21.500	1,360.94	1,360.94	1,360.94	1,360.93	1,360.93
21.750	1,360.93	1,360.93	1,360.93	1,360.93	1,360.92
22.000	1,360.92	1,360.92	1,360.92	1,360.92	1,360.91
22.250	1,360.91	1,360.91	1,360.91	1,360.91	1,360.91
22.500	1,360.90	1,360.90	1,360.90	1,360.90	1,360.90
22.750	1,360.90	1,360.90	1,360.89	1,360.89	1,360.89
23.000	1,360.89	1,360.89	1,360.89	1,360.89	1,360.89
23.250	1,360.88	1,360.88	1,360.88	1,360.88	1,360.88
23.500	1,360.88	1,360.88	1,360.88	1,360.87	1,360.87
23.750	1,360.87	1,360.87	1,360.87	1,360.87	1,360.87
24.000	1,360.87	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: BMP 1

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
0.000	0.000	21.000	84.000	188.000	317.000
0.250	449.000	566.000	676.000	783.000	887.000
0.500	991.000	1,102.000	1,208.000	1,312.000	1,412.000
0.750	1,510.000	1,605.000	1,697.000	1,787.000	1,874.000
1.000	1,954.000	2,027.000	2,098.000	2,167.000	2,234.000
1.250	2,299.000	2,362.000	2,425.000	2,492.000	2,557.000
1.500	2,621.000	2,683.000	2,743.000	2,801.000	2,858.000
1.750	2,904.000	2,939.000	2,975.000	3,010.000	3,046.000
2.000	3,081.000	3,117.000	3,153.000	3,190.000	3,226.000
2.250	3,263.000	3,300.000	3,337.000	3,373.000	3,406.000
2.500	3,440.000	3,474.000	3,507.000	3,541.000	3,575.000
2.750	3,609.000	3,643.000	3,678.000	3,713.000	3,748.000
3.000	3,784.000	3,820.000	3,856.000	3,897.000	3,937.000
3.250	3,978.000	4,019.000	4,060.000	4,102.000	4,144.000
3.500	4,186.000	4,229.000	4,272.000	4,314.000	4,386.000
3.750	4,479.000	4,574.000	4,669.000	4,764.000	4,859.000
4.000	4,954.000	5,050.000	5,146.000	5,243.000	5,341.000
4.250	5,433.000	5,521.000	5,610.000	5,699.000	5,789.000
4.500	5,880.000	5,971.000	6,062.000	6,153.000	6,245.000
4.750	6,337.000	6,430.000	6,535.000	6,640.000	6,746.000
5.000	6,853.000	6,960.000	7,068.000	7,177.000	7,287.000
5.250	7,397.000	7,494.000	7,575.000	7,657.000	7,740.000
5.500	7,823.000	7,906.000	7,991.000	8,075.000	8,161.000
5.750	8,246.000	8,333.000	8,420.000	8,505.000	8,583.000
6.000	8,662.000	8,741.000	8,820.000	8,900.000	8,981.000
6.250	9,062.000	9,143.000	9,225.000	9,308.000	9,391.000
6.500	9,474.000	9,563.000	9,658.000	9,753.000	9,849.000
6.750	9,945.000	10,042.000	10,140.000	10,238.000	10,337.000
7.000	10,436.000	10,535.000	10,635.000	10,736.000	10,837.000
7.250	10,938.000	11,040.000	11,143.000	11,246.000	11,350.000
7.500	11,454.000	11,560.000	11,653.000	11,747.000	11,841.000
7.750	11,936.000	12,033.000	12,130.000	12,228.000	12,326.000
8.000	12,425.000	12,525.000	12,631.000	12,743.000	12,856.000
8.250	12,970.000	13,084.000	13,199.000	13,314.000	13,431.000
8.500	13,549.000	13,670.000	13,792.000	13,914.000	14,038.000
8.750	14,162.000	14,288.000	14,414.000	14,542.000	14,661.000
9.000	14,774.000	14,889.000	15,004.000	15,121.000	15,238.000
9.250	15,356.000	15,474.000	15,593.000	15,728.000	15,863.000
9.500	15,999.000	16,136.000	16,275.000	16,415.000	16,556.000
9.750	16,697.000	16,839.000	16,983.000	17,127.000	17,272.000
10.000	17,417.000	17,564.000	17,696.000	17,828.000	17,962.000
10.250	18,096.000	18,231.000	18,367.000	18,503.000	18,650.000
10.500	18,806.000	18,964.000	19,122.000	19,282.000	19,443.000

Subsection: Time vs. Volume
Label: BMP 1

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.750	19,607.000	19,776.000	19,946.000	20,118.000	20,291.000
11.000	20,465.000	20,627.000	20,783.000	20,941.000	21,100.000
11.250	21,261.000	21,423.000	21,597.000	21,780.000	21,966.000
11.500	22,154.000	22,344.000	22,535.000	22,726.000	22,918.000
11.750	23,113.000	23,311.000	23,500.000	23,679.000	23,858.000
12.000	24,039.000	24,225.000	24,427.000	24,660.000	24,906.000
12.250	25,158.000	25,416.000	25,681.000	25,949.000	26,219.000
12.500	26,464.000	26,707.000	26,953.000	27,203.000	27,482.000
12.750	27,763.000	28,048.000	28,334.000	28,623.000	28,913.000
13.000	29,183.000	29,444.000	29,707.000	29,980.000	30,281.000
13.250	30,585.000	30,896.000	31,223.000	31,555.000	31,868.000
13.500	32,168.000	32,472.000	32,802.000	33,146.000	33,493.000
13.750	33,840.000	34,194.000	34,521.000	34,840.000	35,166.000
14.000	35,526.000	35,891.000	36,290.000	36,703.000	37,076.000
14.250	37,447.000	37,846.000	38,263.000	38,678.000	39,100.000
14.500	39,475.000	39,857.000	40,278.000	40,740.000	41,272.000
14.750	41,723.000	42,184.000	42,644.000	43,081.000	43,464.000
15.000	43,870.000	44,298.000	44,690.000	45,008.000	45,321.000
15.250	45,597.000	45,837.000	46,042.000	46,230.000	46,444.000
15.500	46,713.000	46,996.000	47,252.000	47,464.000	47,630.000
15.750	47,795.000	47,981.000	48,194.000	48,431.000	48,708.000
16.000	49,003.000	49,408.000	50,206.000	51,345.000	52,711.000
16.250	53,635.000	53,688.000	53,033.000	51,987.000	51,001.000
16.500	50,172.000	49,402.000	48,829.000	48,320.000	47,907.000
16.750	47,608.000	47,358.000	47,133.000	46,946.000	46,783.000
17.000	46,633.000	46,493.000	46,377.000	46,274.000	46,179.000
17.250	46,092.000	46,011.000	45,930.000	45,851.000	45,778.000
17.500	45,711.000	45,647.000	45,588.000	45,532.000	45,480.000
17.750	45,431.000	45,385.000	45,342.000	45,302.000	45,264.000
18.000	45,228.000	45,192.000	45,149.000	45,099.000	45,043.000
18.250	44,991.000	44,947.000	44,908.000	44,872.000	44,840.000
18.500	44,810.000	44,784.000	44,759.000	44,735.000	44,713.000
18.750	44,693.000	44,673.000	44,655.000	44,638.000	44,622.000
19.000	44,607.000	44,593.000	44,579.000	44,566.000	44,554.000
19.250	44,541.000	44,528.000	44,515.000	44,502.000	44,489.000
19.500	44,477.000	44,465.000	44,453.000	44,441.000	44,431.000
19.750	44,420.000	44,410.000	44,400.000	44,390.000	44,381.000
20.000	44,371.000	44,362.000	44,353.000	44,343.000	44,334.000
20.250	44,326.000	44,317.000	44,309.000	44,302.000	44,295.000
20.500	44,288.000	44,281.000	44,274.000	44,266.000	44,259.000
20.750	44,251.000	44,244.000	44,237.000	44,230.000	44,224.000
21.000	44,217.000	44,211.000	44,204.000	44,198.000	44,192.000
21.250	44,186.000	44,181.000	44,176.000	44,171.000	44,166.000

Subsection: Time vs. Volume
Label: BMP 1

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.500	44,161.000	44,156.000	44,151.000	44,145.000	44,140.000
21.750	44,135.000	44,130.000	44,125.000	44,121.000	44,116.000
22.000	44,111.000	44,106.000	44,102.000	44,097.000	44,093.000
22.250	44,089.000	44,085.000	44,082.000	44,078.000	44,074.000
22.500	44,070.000	44,065.000	44,061.000	44,057.000	44,053.000
22.750	44,048.000	44,043.000	44,037.000	44,031.000	44,025.000
23.000	44,018.000	44,011.000	44,004.000	43,996.000	43,988.000
23.250	43,979.000	43,970.000	43,960.000	43,949.000	43,938.000
23.500	43,926.000	43,914.000	43,902.000	43,890.000	43,877.000
23.750	43,865.000	43,852.000	43,840.000	43,828.000	43,816.000
24.000	43,803.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: BMP 2

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
0.000	0.000	22.000	84.000	178.000	300.000
0.250	433.000	552.000	651.000	733.000	801.000
0.500	857.000	903.000	942.000	975.000	1,002.000
0.750	1,024.000	1,043.000	1,059.000	1,073.000	1,084.000
1.000	1,094.000	1,103.000	1,110.000	1,117.000	1,122.000
1.250	1,127.000	1,132.000	1,136.000	1,140.000	1,143.000
1.500	1,146.000	1,149.000	1,152.000	1,155.000	1,157.000
1.750	1,160.000	1,162.000	1,165.000	1,167.000	1,169.000
2.000	1,172.000	1,174.000	1,176.000	1,178.000	1,180.000
2.250	1,183.000	1,185.000	1,188.000	1,191.000	1,194.000
2.500	1,197.000	1,200.000	1,202.000	1,203.000	1,205.000
2.750	1,207.000	1,209.000	1,212.000	1,215.000	1,218.000
3.000	1,220.000	1,223.000	1,226.000	1,228.000	1,230.000
3.250	1,233.000	1,235.000	1,237.000	1,240.000	1,242.000
3.500	1,244.000	1,246.000	1,248.000	1,251.000	1,254.000
3.750	1,257.000	1,260.000	1,263.000	1,266.000	1,269.000
4.000	1,272.000	1,274.000	1,277.000	1,281.000	1,284.000
4.250	1,287.000	1,291.000	1,294.000	1,297.000	1,299.000
4.500	1,302.000	1,305.000	1,308.000	1,312.000	1,315.000
4.750	1,319.000	1,322.000	1,325.000	1,328.000	1,330.000
5.000	1,333.000	1,337.000	1,340.000	1,344.000	1,347.000
5.250	1,350.000	1,353.000	1,356.000	1,359.000	1,362.000
5.500	1,365.000	1,368.000	1,372.000	1,375.000	1,379.000
5.750	1,383.000	1,387.000	1,391.000	1,395.000	1,399.000
6.000	1,403.000	1,407.000	1,411.000	1,414.000	1,417.000
6.250	1,420.000	1,424.000	1,427.000	1,432.000	1,436.000
6.500	1,441.000	1,445.000	1,449.000	1,453.000	1,456.000
6.750	1,460.000	1,464.000	1,468.000	1,473.000	1,478.000
7.000	1,482.000	1,486.000	1,490.000	1,493.000	1,497.000
7.250	1,501.000	1,506.000	1,511.000	1,516.000	1,520.000
7.500	1,525.000	1,530.000	1,534.000	1,539.000	1,544.000
7.750	1,549.000	1,555.000	1,560.000	1,565.000	1,571.000
8.000	1,575.000	1,580.000	1,585.000	1,590.000	1,596.000
8.250	1,601.000	1,607.000	1,612.000	1,617.000	1,622.000
8.500	1,627.000	1,633.000	1,638.000	1,645.000	1,651.000
8.750	1,658.000	1,664.000	1,670.000	1,676.000	1,681.000
9.000	1,687.000	1,693.000	1,700.000	1,705.000	1,715.000
9.250	1,724.000	1,734.000	1,746.000	1,759.000	1,773.000
9.500	1,789.000	1,807.000	1,826.000	1,847.000	1,869.000
9.750	1,892.000	1,916.000	1,942.000	1,969.000	1,999.000
10.000	2,031.000	2,064.000	2,099.000	2,136.000	2,173.000
10.250	2,212.000	2,252.000	2,295.000	2,340.000	2,388.000
10.500	2,437.000	2,489.000	2,541.000	2,595.000	2,650.000

Subsection: Time vs. Volume
Label: BMP 2

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.750	2,707.000	2,766.000	2,828.000	2,892.000	2,958.000
11.000	3,026.000	3,096.000	3,167.000	3,240.000	3,315.000
11.250	3,393.000	3,474.000	3,557.000	3,643.000	3,731.000
11.500	3,821.000	3,912.000	4,005.000	4,100.000	4,199.000
11.750	4,302.000	4,409.000	4,518.000	4,630.000	4,744.000
12.000	4,860.000	4,979.000	5,107.000	5,250.000	5,409.000
12.250	5,583.000	5,768.000	5,960.000	6,156.000	6,356.000
12.500	6,560.000	6,769.000	6,983.000	7,202.000	7,426.000
12.750	7,655.000	7,887.000	8,121.000	8,357.000	8,596.000
13.000	8,840.000	9,090.000	9,346.000	9,608.000	9,876.000
13.250	10,147.000	10,421.000	10,700.000	10,982.000	11,271.000
13.500	11,567.000	11,870.000	12,181.000	12,497.000	12,818.000
13.750	13,144.000	13,474.000	13,809.000	14,153.000	14,507.000
14.000	14,871.000	15,246.000	15,628.000	16,014.000	16,406.000
14.250	16,803.000	17,206.000	17,620.000	18,046.000	18,485.000
14.500	18,936.000	19,397.000	19,867.000	20,345.000	20,835.000
14.750	21,339.000	21,866.000	22,417.000	22,992.000	23,592.000
15.000	24,213.000	24,862.000	25,559.000	26,307.000	27,110.000
15.250	27,976.000	28,905.000	29,895.000	30,944.000	32,059.000
15.500	33,250.000	34,520.000	35,878.000	37,351.000	38,963.000
15.750	40,720.000	42,622.000	44,670.000	46,853.000	49,166.000
16.000	51,618.000	54,223.000	57,242.000	61,022.000	65,681.000
16.250	71,157.000	77,079.000	82,664.000	87,363.000	91,114.000
16.500	93,923.000	96,091.000	97,959.000	99,592.000	101,011.000
16.750	102,248.000	103,363.000	104,391.000	105,340.000	106,224.000
17.000	107,059.000	107,854.000	108,611.000	109,330.000	110,014.000
17.250	110,671.000	111,304.000	111,912.000	112,497.000	113,060.000
17.500	113,603.000	114,126.000	114,631.000	115,118.000	115,588.000
17.750	116,043.000	116,483.000	116,908.000	117,321.000	117,721.000
18.000	118,108.000	118,483.000	118,842.000	119,178.000	119,489.000
18.250	119,775.000	120,037.000	120,284.000	120,520.000	120,746.000
18.500	120,963.000	121,173.000	121,373.000	121,566.000	121,751.000
18.750	121,928.000	122,098.000	122,263.000	122,422.000	122,575.000
19.000	122,722.000	122,864.000	123,001.000	123,132.000	123,258.000
19.250	123,379.000	123,495.000	123,607.000	123,712.000	123,814.000
19.500	123,912.000	124,005.000	124,094.000	124,180.000	124,261.000
19.750	124,339.000	124,412.000	124,482.000	124,548.000	124,612.000
20.000	124,671.000	124,727.000	124,779.000	124,828.000	124,875.000
20.250	124,918.000	124,959.000	124,997.000	125,033.000	125,066.000
20.500	125,095.000	125,122.000	125,147.000	125,169.000	125,188.000
20.750	125,204.000	125,217.000	125,228.000	125,237.000	125,243.000
21.000	125,248.000	125,249.000	125,249.000	125,247.000	125,242.000
21.250	125,236.000	125,227.000	125,215.000	125,202.000	125,186.000

Subsection: Time vs. Volume
Label: BMP 2

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.500	125,168.000	125,148.000	125,127.000	125,103.000	125,077.000
21.750	125,049.000	125,020.000	124,988.000	124,956.000	124,922.000
22.000	124,886.000	124,847.000	124,808.000	124,767.000	124,725.000
22.250	124,680.000	124,634.000	124,586.000	124,538.000	124,487.000
22.500	124,435.000	124,381.000	124,326.000	124,270.000	124,214.000
22.750	124,156.000	124,096.000	124,035.000	123,973.000	123,909.000
23.000	123,844.000	123,779.000	123,712.000	123,645.000	123,577.000
23.250	123,508.000	123,438.000	123,368.000	123,297.000	123,225.000
23.500	123,151.000	123,077.000	123,001.000	122,924.000	122,846.000
23.750	122,767.000	122,687.000	122,605.000	122,522.000	122,438.000
24.000	122,354.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: BMP 3

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
0.000	0.000	18.000	68.000	144.000	231.000
0.250	309.000	372.000	425.000	469.000	505.000
0.500	536.000	562.000	583.000	600.000	614.000
0.750	627.000	637.000	646.000	654.000	660.000
1.000	666.000	670.000	674.000	678.000	682.000
1.250	685.000	688.000	690.000	692.000	694.000
1.500	696.000	699.000	700.000	702.000	703.000
1.750	705.000	706.000	708.000	710.000	711.000
2.000	713.000	714.000	715.000	717.000	719.000
2.250	720.000	722.000	723.000	724.000	725.000
2.500	727.000	729.000	730.000	731.000	732.000
2.750	734.000	735.000	737.000	739.000	740.000
3.000	741.000	742.000	744.000	745.000	747.000
3.250	748.000	750.000	751.000	752.000	753.000
3.500	755.000	757.000	758.000	759.000	760.000
3.750	762.000	763.000	765.000	767.000	769.000
4.000	771.000	774.000	776.000	778.000	781.000
4.250	783.000	785.000	786.000	788.000	789.000
4.500	791.000	793.000	795.000	796.000	797.000
4.750	799.000	800.000	802.000	804.000	806.000
5.000	808.000	811.000	813.000	816.000	818.000
5.250	820.000	822.000	823.000	825.000	827.000
5.500	828.000	831.000	833.000	835.000	837.000
5.750	840.000	842.000	845.000	847.000	849.000
6.000	851.000	852.000	855.000	857.000	861.000
6.250	863.000	866.000	868.000	870.000	872.000
6.500	874.000	876.000	878.000	881.000	883.000
6.750	886.000	889.000	891.000	894.000	897.000
7.000	899.000	902.000	905.000	907.000	910.000
7.250	913.000	916.000	918.000	921.000	924.000
7.500	927.000	930.000	932.000	935.000	938.000
7.750	941.000	945.000	949.000	953.000	956.000
8.000	960.000	964.000	969.000	975.000	982.000
8.250	989.000	998.000	1,006.000	1,016.000	1,027.000
8.500	1,039.000	1,051.000	1,064.000	1,076.000	1,089.000
8.750	1,103.000	1,117.000	1,133.000	1,149.000	1,166.000
9.000	1,184.000	1,202.000	1,222.000	1,242.000	1,263.000
9.250	1,285.000	1,308.000	1,331.000	1,355.000	1,380.000
9.500	1,406.000	1,433.000	1,461.000	1,489.000	1,518.000
9.750	1,548.000	1,580.000	1,613.000	1,648.000	1,683.000
10.000	1,718.000	1,755.000	1,792.000	1,830.000	1,870.000
10.250	1,910.000	1,952.000	1,994.000	2,038.000	2,084.000
10.500	2,131.000	2,180.000	2,229.000	2,279.000	2,329.000

Subsection: Time vs. Volume
Label: BMP 3

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.750	2,381.000	2,434.000	2,489.000	2,545.000	2,603.000
11.000	2,661.000	2,721.000	2,782.000	2,845.000	2,909.000
11.250	2,975.000	3,042.000	3,110.000	3,179.000	3,249.000
11.500	3,322.000	3,396.000	3,471.000	3,547.000	3,624.000
11.750	3,703.000	3,784.000	3,868.000	3,953.000	4,040.000
12.000	4,129.000	4,222.000	4,326.000	4,443.000	4,572.000
12.250	4,706.000	4,841.000	4,977.000	5,116.000	5,257.000
12.500	5,402.000	5,549.000	5,698.000	5,849.000	6,002.000
12.750	6,158.000	6,316.000	6,478.000	6,642.000	6,809.000
13.000	6,976.000	7,146.000	7,320.000	7,498.000	7,680.000
13.250	7,865.000	8,051.000	8,239.000	8,431.000	8,626.000
13.500	8,827.000	9,032.000	9,240.000	9,451.000	9,668.000
13.750	9,891.000	10,123.000	10,361.000	10,606.000	10,857.000
14.000	11,112.000	11,373.000	11,640.000	11,915.000	12,196.000
14.250	12,484.000	12,778.000	13,077.000	13,383.000	13,700.000
14.500	14,028.000	14,366.000	14,714.000	15,078.000	15,462.000
14.750	15,869.000	16,301.000	16,758.000	17,238.000	17,737.000
15.000	18,256.000	18,795.000	19,362.000	19,958.000	20,586.000
15.250	21,241.000	21,920.000	22,624.000	23,377.000	24,211.000
15.500	25,140.000	26,155.000	27,237.000	28,373.000	29,565.000
15.750	30,847.000	32,257.000	33,800.000	35,495.000	37,369.000
16.000	39,434.000	41,825.000	44,871.000	48,854.000	53,809.000
16.250	59,032.000	63,671.000	67,401.000	70,298.000	72,657.000
16.500	74,597.000	76,207.000	77,591.000	78,803.000	79,862.000
16.750	80,793.000	81,620.000	82,371.000	83,075.000	83,738.000
17.000	84,361.000	84,949.000	85,503.000	86,027.000	86,524.000
17.250	86,995.000	87,441.000	87,865.000	88,266.000	88,647.000
17.500	89,009.000	89,352.000	89,678.000	89,988.000	90,282.000
17.750	90,563.000	90,829.000	91,081.000	91,321.000	91,550.000
18.000	91,768.000	91,972.000	92,159.000	92,324.000	92,468.000
18.250	92,596.000	92,718.000	92,835.000	92,948.000	93,057.000
18.500	93,163.000	93,264.000	93,362.000	93,458.000	93,550.000
18.750	93,639.000	93,725.000	93,807.000	93,886.000	93,962.000
19.000	94,037.000	94,108.000	94,176.000	94,243.000	94,307.000
19.250	94,369.000	94,428.000	94,486.000	94,541.000	94,594.000
19.500	94,644.000	94,691.000	94,737.000	94,781.000	94,823.000
19.750	94,863.000	94,902.000	94,937.000	94,971.000	95,004.000
20.000	95,036.000	95,067.000	95,095.000	95,121.000	95,145.000
20.250	95,168.000	95,190.000	95,210.000	95,230.000	95,248.000
20.500	95,263.000	95,278.000	95,291.000	95,304.000	95,315.000
20.750	95,326.000	95,335.000	95,343.000	95,349.000	95,353.000
21.000	95,356.000	95,358.000	95,359.000	95,359.000	95,358.000
21.250	95,356.000	95,352.000	95,348.000	95,342.000	95,336.000

Subsection: Time vs. Volume
Label: BMP 3

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.500	95,327.000	95,318.000	95,308.000	95,297.000	95,285.000
21.750	95,273.000	95,259.000	95,245.000	95,231.000	95,215.000
22.000	95,198.000	95,181.000	95,161.000	95,141.000	95,119.000
22.250	95,098.000	95,075.000	95,052.000	95,029.000	95,005.000
22.500	94,980.000	94,955.000	94,929.000	94,902.000	94,874.000
22.750	94,845.000	94,815.000	94,785.000	94,754.000	94,721.000
23.000	94,687.000	94,653.000	94,619.000	94,583.000	94,548.000
23.250	94,512.000	94,475.000	94,438.000	94,400.000	94,361.000
23.500	94,322.000	94,283.000	94,243.000	94,202.000	94,161.000
23.750	94,120.000	94,078.000	94,035.000	93,992.000	93,949.000
24.000	93,905.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: BMP 4

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
0.000	0.000	27.000	105.000	235.000	395.000
0.250	557.000	700.000	838.000	972.000	1,108.000
0.500	1,250.000	1,387.000	1,520.000	1,650.000	1,777.000
0.750	1,899.000	2,019.000	2,132.000	2,232.000	2,329.000
1.000	2,423.000	2,514.000	2,603.000	2,695.000	2,789.000
1.250	2,881.000	2,969.000	3,055.000	3,138.000	3,220.000
1.500	3,303.000	3,385.000	3,468.000	3,550.000	3,633.000
1.750	3,714.000	3,788.000	3,863.000	3,939.000	4,014.000
2.000	4,091.000	4,168.000	4,248.000	4,335.000	4,423.000
2.250	4,511.000	4,599.000	4,688.000	4,776.000	4,865.000
2.500	4,955.000	5,045.000	5,136.000	5,227.000	5,315.000
2.750	5,397.000	5,480.000	5,563.000	5,646.000	5,730.000
3.000	5,814.000	5,908.000	6,002.000	6,097.000	6,193.000
3.250	6,289.000	6,386.000	6,483.000	6,581.000	6,680.000
3.500	6,779.000	6,877.000	6,965.000	7,053.000	7,142.000
3.750	7,231.000	7,320.000	7,412.000	7,513.000	7,616.000
4.000	7,718.000	7,822.000	7,926.000	8,030.000	8,135.000
4.250	8,241.000	8,347.000	8,453.000	8,548.000	8,644.000
4.500	8,741.000	8,837.000	8,934.000	9,037.000	9,146.000
4.750	9,256.000	9,367.000	9,479.000	9,592.000	9,704.000
5.000	9,817.000	9,930.000	10,043.000	10,145.000	10,248.000
5.250	10,351.000	10,455.000	10,558.000	10,674.000	10,793.000
5.500	10,912.000	11,032.000	11,152.000	11,272.000	11,392.000
5.750	11,513.000	11,634.000	11,743.000	11,853.000	11,964.000
6.000	12,076.000	12,192.000	12,319.000	12,446.000	12,573.000
6.250	12,701.000	12,831.000	12,962.000	13,093.000	13,225.000
6.500	13,357.000	13,490.000	13,623.000	13,757.000	13,884.000
6.750	14,004.000	14,125.000	14,247.000	14,370.000	14,494.000
7.000	14,617.000	14,742.000	14,867.000	14,996.000	15,139.000
7.250	15,282.000	15,426.000	15,570.000	15,715.000	15,861.000
7.500	16,007.000	16,154.000	16,300.000	16,448.000	16,596.000
7.750	16,744.000	16,894.000	17,045.000	17,198.000	17,339.000
8.000	17,476.000	17,614.000	17,752.000	17,892.000	18,032.000
8.250	18,174.000	18,315.000	18,467.000	18,627.000	18,788.000
8.500	18,950.000	19,114.000	19,277.000	19,442.000	19,609.000
8.750	19,780.000	19,952.000	20,125.000	20,300.000	20,475.000
9.000	20,649.000	20,805.000	20,963.000	21,122.000	21,283.000
9.250	21,445.000	21,607.000	21,772.000	21,956.000	22,140.000
9.500	22,327.000	22,515.000	22,704.000	22,893.000	23,082.000
9.750	23,272.000	23,464.000	23,658.000	23,853.000	24,039.000
10.000	24,214.000	24,389.000	24,567.000	24,745.000	24,925.000
10.250	25,112.000	25,316.000	25,521.000	25,728.000	25,937.000
10.500	26,148.000	26,366.000	26,586.000	26,807.000	27,029.000

Subsection: Time vs. Volume
Label: BMP 4

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.750	27,253.000	27,453.000	27,655.000	27,859.000	28,064.000
11.000	28,270.000	28,494.000	28,728.000	28,964.000	29,202.000
11.250	29,442.000	29,683.000	29,925.000	30,170.000	30,417.000
11.500	30,646.000	30,869.000	31,093.000	31,318.000	31,545.000
11.750	31,800.000	32,059.000	32,322.000	32,587.000	32,861.000
12.000	33,138.000	33,422.000	33,715.000	33,995.000	34,290.000
12.250	34,592.000	34,917.000	35,258.000	35,603.000	35,949.000
12.500	36,299.000	36,652.000	36,981.000	37,297.000	37,614.000
12.750	37,950.000	38,312.000	38,679.000	39,060.000	39,450.000
13.000	39,841.000	40,190.000	40,543.000	40,909.000	41,313.000
13.250	41,721.000	42,128.000	42,537.000	42,930.000	43,298.000
13.500	43,673.000	44,087.000	44,513.000	44,951.000	45,384.000
13.750	45,775.000	46,118.000	46,447.000	46,782.000	47,111.000
14.000	47,423.000	47,716.000	47,996.000	48,264.000	48,501.000
14.250	48,717.000	48,923.000	49,121.000	49,322.000	49,532.000
14.500	49,740.000	49,945.000	50,152.000	50,367.000	50,563.000
14.750	50,749.000	50,929.000	51,082.000	51,230.000	51,369.000
15.000	51,500.000	51,629.000	51,764.000	51,916.000	52,075.000
15.250	52,235.000	52,393.000	52,548.000	52,730.000	52,985.000
15.500	53,305.000	53,616.000	53,932.000	54,242.000	54,547.000
15.750	54,925.000	55,313.000	55,657.000	56,039.000	56,470.000
16.000	56,917.000	57,474.000	58,533.000	60,020.000	61,690.000
16.250	62,661.000	62,469.000	61,495.000	60,202.000	59,034.000
16.500	58,101.000	57,288.000	56,631.000	56,018.000	55,506.000
16.750	55,065.000	54,655.000	54,362.000	54,092.000	53,840.000
17.000	53,602.000	53,378.000	53,149.000	52,917.000	52,700.000
17.250	52,496.000	52,299.000	52,113.000	51,939.000	51,776.000
17.500	51,631.000	51,499.000	51,374.000	51,257.000	51,146.000
17.750	51,042.000	50,944.000	50,841.000	50,740.000	50,645.000
18.000	50,555.000	50,466.000	50,372.000	50,268.000	50,156.000
18.250	50,051.000	49,959.000	49,867.000	49,778.000	49,689.000
18.500	49,603.000	49,518.000	49,434.000	49,352.000	49,272.000
18.750	49,198.000	49,128.000	49,061.000	48,994.000	48,930.000
19.000	48,866.000	48,804.000	48,744.000	48,685.000	48,627.000
19.250	48,571.000	48,516.000	48,463.000	48,410.000	48,359.000
19.500	48,301.000	48,244.000	48,189.000	48,134.000	48,082.000
19.750	48,030.000	47,980.000	47,930.000	47,882.000	47,836.000
20.000	47,790.000	47,746.000	47,703.000	47,662.000	47,621.000
20.250	47,581.000	47,542.000	47,503.000	47,465.000	47,427.000
20.500	47,390.000	47,355.000	47,321.000	47,287.000	47,253.000
20.750	47,220.000	47,188.000	47,156.000	47,125.000	47,094.000
21.000	47,065.000	47,036.000	47,007.000	46,979.000	46,951.000
21.250	46,923.000	46,896.000	46,869.000	46,844.000	46,818.000

Subsection: Time vs. Volume
Label: BMP 4

Time vs. Volume (ft³)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.500	46,794.000	46,770.000	46,746.000	46,722.000	46,700.000
21.750	46,677.000	46,655.000	46,633.000	46,611.000	46,590.000
22.000	46,569.000	46,549.000	46,531.000	46,512.000	46,494.000
22.250	46,476.000	46,459.000	46,443.000	46,427.000	46,411.000
22.500	46,395.000	46,379.000	46,364.000	46,349.000	46,334.000
22.750	46,320.000	46,306.000	46,291.000	46,277.000	46,263.000
23.000	46,250.000	46,236.000	46,223.000	46,210.000	46,196.000
23.250	46,183.000	46,170.000	46,157.000	46,145.000	46,133.000
23.500	46,121.000	46,109.000	46,098.000	46,086.000	46,074.000
23.750	46,062.000	46,050.000	46,038.000	46,027.000	46,016.000
24.000	46,005.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Elevation vs. Volume Curve
Label: BMP 1

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,364.00	0.000
1,364.08	481.430
1,364.17	962.870
1,364.25	1,444.300
1,364.33	1,925.730
1,364.42	2,407.160
1,364.50	2,888.600
1,364.58	3,370.030
1,364.67	3,851.460
1,364.75	4,332.900
1,364.83	5,378.710
1,364.92	6,420.120
1,365.00	7,457.150
1,365.08	8,489.750
1,365.17	9,517.690
1,365.25	10,541.120
1,365.33	11,560.110
1,365.42	12,574.700
1,365.50	13,584.710
1,365.58	14,590.080
1,365.67	15,590.600
1,365.75	16,586.450
1,365.83	17,577.430
1,365.92	18,563.430
1,366.00	19,544.240
1,366.08	20,519.750
1,366.17	21,489.740
1,366.25	22,454.120
1,366.33	23,412.510
1,366.42	24,365.480
1,366.50	25,310.770
1,366.58	26,248.810
1,366.67	27,179.290
1,366.75	28,101.690
1,366.83	29,015.540
1,366.92	29,920.430
1,367.00	30,815.810
1,367.08	31,701.170
1,367.17	32,576.020
1,367.25	33,439.750
1,367.33	34,291.760
1,367.42	35,131.490
1,367.50	35,958.090
1,367.58	36,770.540
1,367.67	37,567.410

Subsection: Elevation vs. Volume Curve
Label: BMP 1

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,367.75	38,347.060
1,367.83	39,107.480
1,367.92	39,846.050
1,368.00	40,559.460
1,368.08	41,242.770
1,368.17	41,886.740
1,368.25	42,467.620
1,368.33	43,019.270
1,368.42	43,550.460
1,368.50	44,060.840
1,368.58	44,542.270
1,368.67	45,023.710
1,368.75	45,505.140
1,368.83	45,986.570
1,368.92	46,468.010
1,369.00	46,949.440
1,369.08	47,430.870
1,369.17	47,912.300
1,369.25	48,393.740
1,369.33	48,875.170
1,369.42	49,356.600
1,369.50	49,838.040
1,369.58	50,319.470
1,369.67	50,800.900
1,369.75	51,282.330
1,369.83	51,763.770
1,369.92	52,245.200
1,370.00	52,726.630
1,370.08	53,208.060
1,370.17	53,689.500
1,370.25	54,170.930
1,370.33	54,652.360
1,370.42	55,133.800
1,370.50	55,615.230
1,370.58	56,096.660
1,370.67	56,578.090
1,370.75	57,059.530
1,370.83	57,540.960
1,370.92	58,022.390
1,371.00	58,503.830

Subsection: Elevation vs. Volume Curve
Label: BMP 2

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,365.10	0.000
1,365.18	1,705.400
1,365.27	3,410.800
1,365.35	5,116.200
1,365.43	6,821.590
1,365.52	8,526.990
1,365.60	10,232.390
1,365.68	11,937.790
1,365.77	13,643.190
1,365.85	15,348.590
1,365.93	19,136.400
1,366.02	22,907.960
1,366.10	26,663.330
1,366.18	30,402.380
1,366.27	34,124.240
1,366.35	37,829.450
1,366.43	41,518.270
1,366.52	45,190.890
1,366.60	48,846.630
1,366.68	52,485.280
1,366.77	56,106.010
1,366.85	59,709.550
1,366.93	63,295.150
1,367.02	66,862.360
1,367.10	70,410.490
1,367.18	73,939.070
1,367.27	77,447.310
1,367.35	80,934.840
1,367.43	84,400.340
1,367.52	87,845.840
1,367.60	91,263.040
1,367.68	94,653.510
1,367.77	98,016.100
1,367.85	101,348.900
1,367.93	104,650.210
1,368.02	107,918.440
1,368.10	111,151.630
1,368.18	114,347.870
1,368.27	117,505.330
1,368.35	120,621.780
1,368.43	123,695.050
1,368.52	126,722.950
1,368.60	129,702.460
1,368.68	132,629.720
1,368.77	135,499.520

Subsection: Elevation vs. Volume Curve
Label: BMP 2

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,368.85	138,305.770
1,368.93	141,041.020
1,369.02	143,695.670
1,369.10	146,257.480
1,369.18	148,708.180
1,369.27	151,013.630
1,369.35	153,086.140
1,369.43	155,050.750
1,369.52	156,939.890
1,369.60	158,752.190
1,369.68	160,457.590
1,369.77	162,162.980
1,369.85	163,868.380
1,369.93	165,573.780
1,370.02	167,279.180
1,370.10	168,984.580
1,370.18	170,689.980
1,370.27	172,395.370
1,370.35	174,100.770
1,370.43	175,806.170
1,370.52	177,511.570
1,370.60	179,216.970

Subsection: Elevation vs. Volume Curve
Label: BMP 3

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,365.10	0.000
1,365.18	951.260
1,365.27	1,902.510
1,365.35	2,853.770
1,365.43	3,805.030
1,365.52	4,756.290
1,365.60	5,707.540
1,365.68	6,658.800
1,365.77	7,610.060
1,365.85	8,561.310
1,365.93	10,663.320
1,366.02	12,756.330
1,366.10	14,840.410
1,366.18	16,915.480
1,366.27	18,981.030
1,366.35	21,037.380
1,366.43	23,084.680
1,366.52	25,123.010
1,366.60	27,151.990
1,366.68	29,171.520
1,366.77	31,181.130
1,366.85	33,181.230
1,366.93	35,171.400
1,367.02	37,151.390
1,367.10	39,120.800
1,367.18	41,079.390
1,367.27	43,026.740
1,367.35	44,962.620
1,367.43	46,886.290
1,367.52	48,798.900
1,367.60	50,695.860
1,367.68	52,577.980
1,367.77	54,444.730
1,367.85	56,294.970
1,367.93	58,127.790
1,368.02	59,942.320
1,368.10	61,737.460
1,368.18	63,512.160
1,368.27	65,265.420
1,368.35	66,996.010
1,368.43	68,702.710
1,368.52	70,384.340
1,368.60	72,039.210
1,368.68	73,665.230
1,368.77	75,259.480

Subsection: Elevation vs. Volume Curve
Label: BMP 3

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,368.85	76,818.640
1,368.93	78,338.600
1,369.02	79,813.990
1,369.10	81,238.100
1,369.18	82,600.830
1,369.27	83,883.400
1,369.35	85,037.370
1,369.43	86,131.740
1,369.52	87,184.410
1,369.60	88,194.660
1,369.68	89,145.910
1,369.77	90,097.170
1,369.85	91,048.430
1,369.93	91,999.690
1,370.02	92,950.940
1,370.10	93,902.200
1,370.18	94,853.460
1,370.27	95,804.710
1,370.35	96,755.970
1,370.43	97,707.230
1,370.52	98,658.480
1,370.60	99,609.740

Subsection: Elevation vs. Volume Curve
Label: BMP 4

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,356.25	0.000
1,356.33	528.160
1,356.42	1,056.320
1,356.50	1,584.470
1,356.58	2,112.630
1,356.67	2,640.790
1,356.75	3,168.950
1,356.83	3,697.100
1,356.92	4,225.260
1,357.00	4,753.420
1,357.08	5,281.580
1,357.17	5,809.730
1,357.25	6,337.890
1,357.33	6,866.050
1,357.42	7,394.210
1,357.50	7,922.360
1,357.58	8,450.520
1,357.67	8,978.680
1,357.75	9,506.840
1,357.83	10,035.000
1,357.92	10,563.150
1,358.00	11,091.310
1,358.08	11,619.470
1,358.17	12,147.630
1,358.25	12,675.780
1,358.33	13,826.470
1,358.42	14,972.280
1,358.50	16,113.260
1,358.58	17,249.370
1,358.67	18,380.340
1,358.75	19,506.320
1,358.83	20,627.400
1,358.92	21,743.640
1,359.00	22,854.820
1,359.08	23,960.880
1,359.17	25,061.570
1,359.25	26,157.120
1,359.33	27,247.300
1,359.42	28,331.970
1,359.50	29,410.910
1,359.58	30,484.000
1,359.67	31,551.000
1,359.75	32,611.810
1,359.83	33,666.000
1,359.92	34,714.210

Subsection: Elevation vs. Volume Curve
Label: BMP 4

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ft^3)
1,360.00	35,753.960
1,360.08	36,785.670
1,360.17	37,809.070
1,360.25	38,823.540
1,360.33	39,828.580
1,360.42	40,823.720
1,360.50	41,808.380
1,360.58	42,781.970
1,360.67	43,743.970
1,360.75	44,693.700
1,360.83	45,630.510
1,360.92	46,553.760
1,361.00	47,462.530
1,361.08	48,355.690
1,361.17	49,231.660
1,361.25	50,088.650
1,361.33	50,924.440
1,361.42	51,736.120
1,361.50	52,520.050
1,361.58	53,270.790
1,361.67	53,978.160
1,361.75	54,615.970
1,361.83	55,221.540
1,361.92	55,804.560
1,362.00	56,364.620
1,362.08	56,892.780
1,362.17	57,420.930
1,362.25	57,949.090
1,362.33	58,477.250
1,362.42	59,005.410
1,362.50	59,533.570
1,362.58	60,061.720
1,362.67	60,589.880
1,362.75	61,118.040
1,362.83	61,646.200
1,362.92	62,174.350
1,363.00	62,702.510

Subsection: Multiple Outfall Rating Curves
Label: BMP 1 (IN)

Total Pond Outflow Curve for Multiple Outfalls

Headwater Elevation (ft)	Outfall: Outlet-1A (ft^3/s)	Outfall: Outlet-1 (ft^3/s)	Total Flow (ft^3/s)
1,364.00	0.00	0.00	0.00
1,364.50	0.00	0.00	0.00
1,365.00	0.00	0.00	0.00
1,365.50	0.00	0.00	0.00
1,366.00	0.00	0.00	0.00
1,366.50	0.00	0.00	0.00
1,367.00	0.00	0.00	0.00
1,367.50	0.00	0.00	0.00
1,368.00	0.00	0.00	0.00
1,368.50	0.17	0.20	0.37
1,369.00	1.86	1.59	3.44
1,369.50	4.91	3.27	8.18
1,370.00	8.29	4.23	12.52
1,370.50	10.24	5.00	15.24
1,371.00	11.88	8.71	20.58

Subsection: Outlet Input Data
Label: BMP 1 OUTLET 1A

Requested Pond Water Surface Elevations	
Minimum (Headwater)	1,364.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	1,371.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	Orifice - 1	Forward	TW	1,368.30	1,371.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: BMP 1 OUTLET 1A

Structure ID: Orifice - 1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	1,368.30 ft
Orifice Diameter	18.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft^3/s
Flow Tolerance (Maximum)	10.000 ft^3/s

Subsection: Individual Outlet Curves
Label: BMP 1 OUTLET 1A

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Orifice - 1 (Orifice-Circular)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,364.00	0.00	(N/A)	0.00
1,364.50	0.00	(N/A)	0.00
1,365.00	0.00	(N/A)	0.00
1,365.50	0.00	(N/A)	0.00
1,366.00	0.00	(N/A)	0.00
1,366.50	0.00	(N/A)	0.00
1,367.00	0.00	(N/A)	0.00
1,367.50	0.00	(N/A)	0.00
1,368.00	0.00	(N/A)	0.00
1,368.30	0.00	(N/A)	0.00
1,368.50	0.17	(N/A)	0.00
1,369.00	1.86	(N/A)	0.00
1,369.50	4.91	(N/A)	0.00
1,370.00	8.29	(N/A)	0.00
1,370.50	10.24	(N/A)	0.00
1,371.00	11.88	(N/A)	0.00

Computation Messages
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
Upstream HW & DNstream TW < Inv.El
CRIT.DEPTH CONTROL Vh= .051ft Dcr= .149ft
CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .188ft Dcr= .513ft
CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .348ft Dcr= .852ft
CRIT.DEPTH Hev= .00ft
H =.95
H =1.45
H =1.95

Subsection: Individual Outlet Curves
Label: BMP 1 OUTLET 1A

Subsection: Composite Rating Curve
Label: BMP 1 OUTLET 1A

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,364.00	0.00	(N/A)	0.00
1,364.50	0.00	(N/A)	0.00
1,365.00	0.00	(N/A)	0.00
1,365.50	0.00	(N/A)	0.00
1,366.00	0.00	(N/A)	0.00
1,366.50	0.00	(N/A)	0.00
1,367.00	0.00	(N/A)	0.00
1,367.50	0.00	(N/A)	0.00
1,368.00	0.00	(N/A)	0.00
1,368.30	0.00	(N/A)	0.00
1,368.50	0.17	(N/A)	0.00
1,369.00	1.86	(N/A)	0.00
1,369.50	4.91	(N/A)	0.00
1,370.00	8.29	(N/A)	0.00
1,370.50	10.24	(N/A)	0.00
1,371.00	11.88	(N/A)	0.00

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Orifice - 1
Orifice - 1
Orifice - 1
Orifice - 1
Orifice - 1
Orifice - 1

Subsection: Multiple Outfall Rating Curves
Label: BMP 4 (IN)

Total Pond Outflow Curve for Multiple Outfalls

Headwater Elevation (ft)	Outfall: Outlet-4A (ft^3/s)	Outfall: Outlet-4 (ft^3/s)	Total Flow (ft^3/s)
1,356.25	0.00	0.00	0.00
1,356.75	0.00	0.00	0.00
1,357.25	0.00	0.00	0.00
1,357.75	0.00	0.00	0.00
1,358.25	0.00	0.00	0.00
1,358.75	0.00	0.00	0.00
1,359.25	0.00	0.00	0.00
1,359.75	0.00	0.00	0.00
1,360.25	0.00	0.00	0.00
1,360.75	0.00	0.00	0.00
1,361.25	0.19	1.80	2.00
1,361.75	2.21	3.13	5.34
1,362.25	6.04	4.04	10.08
1,362.75	11.16	4.78	15.94
1,363.00	14.03	5.10	19.13

Subsection: Outlet Input Data
Label: BMP 4 OUTLET 4A

Requested Pond Water Surface Elevations	
Minimum (Headwater)	1,356.25 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	1,363.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	Orifice - 1	Forward	TW	1,361.05	1,363.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: BMP 4 OUTLET 4A

Structure ID: Orifice - 1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	1,361.05 ft
Orifice Diameter	24.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft^3/s
Flow Tolerance (Maximum)	10.000 ft^3/s

Subsection: Individual Outlet Curves
Label: BMP 4 OUTLET 4A

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Orifice - 1 (Orifice-Circular)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,356.25	0.00	(N/A)	0.00
1,356.75	0.00	(N/A)	0.00
1,357.25	0.00	(N/A)	0.00
1,357.75	0.00	(N/A)	0.00
1,358.25	0.00	(N/A)	0.00
1,358.75	0.00	(N/A)	0.00
1,359.25	0.00	(N/A)	0.00
1,359.75	0.00	(N/A)	0.00
1,360.25	0.00	(N/A)	0.00
1,360.75	0.00	(N/A)	0.00
1,361.05	0.00	(N/A)	0.00
1,361.25	0.19	(N/A)	0.00
1,361.75	2.21	(N/A)	0.00
1,362.25	6.04	(N/A)	0.00
1,362.75	11.16	(N/A)	0.00
1,363.00	14.03	(N/A)	0.00

Computation Messages
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
Upstream HW & DNstream TW < Inv.El
CRIT.DEPTH CONTROL Vh= .051ft Dcr= .149ft
CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .184ft Dcr= .517ft
CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .330ft Dcr= .869ft
CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
Label: BMP 4 OUTLET 4A

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Orifice - 1 (Orifice-Circular)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages
CRIT.DEPTH CONTROL
Vh= .501ft Dcr= 1.199ft
CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL
Vh= .602ft Dcr= 1.349ft
CRIT.DEPTH Hev= .00ft

Subsection: Composite Rating Curve
Label: BMP 4 OUTLET 4A

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,356.25	0.00	(N/A)	0.00
1,356.75	0.00	(N/A)	0.00
1,357.25	0.00	(N/A)	0.00
1,357.75	0.00	(N/A)	0.00
1,358.25	0.00	(N/A)	0.00
1,358.75	0.00	(N/A)	0.00
1,359.25	0.00	(N/A)	0.00
1,359.75	0.00	(N/A)	0.00
1,360.25	0.00	(N/A)	0.00
1,360.75	0.00	(N/A)	0.00
1,361.05	0.00	(N/A)	0.00
1,361.25	0.19	(N/A)	0.00
1,361.75	2.21	(N/A)	0.00
1,362.25	6.04	(N/A)	0.00
1,362.75	11.16	(N/A)	0.00
1,363.00	14.03	(N/A)	0.00

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Orifice - 1
Orifice - 1
Orifice - 1
Orifice - 1
Orifice - 1

Subsection: Outlet Input Data
Label: Composite Outlet Structure - 1

Requested Pond Water Surface Elevations	
Minimum (Headwater)	1,364.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	1,371.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	BMP 1 Orifice	Forward	TW	1,368.25	1,371.00
Rectangular Weir	Weir - 1	Forward	TW	1,370.60	1,371.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: Composite Outlet Structure - 1

Structure ID: BMP 1 Orifice Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	1,368.25 ft
Orifice Diameter	12.0 in
Orifice Coefficient	0.600

Structure ID: Weir - 1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	1,370.60 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft^0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = BMP 1 Orifice (Orifice-Circular)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,364.00	0.00	(N/A)	0.00
1,364.50	0.00	(N/A)	0.00
1,365.00	0.00	(N/A)	0.00
1,365.50	0.00	(N/A)	0.00
1,366.00	0.00	(N/A)	0.00
1,366.50	0.00	(N/A)	0.00
1,367.00	0.00	(N/A)	0.00
1,367.50	0.00	(N/A)	0.00
1,368.00	0.00	(N/A)	0.00
1,368.25	0.00	(N/A)	0.00
1,368.50	0.20	(N/A)	0.00
1,369.00	1.59	(N/A)	0.00
1,369.50	3.27	(N/A)	0.00
1,370.00	4.23	(N/A)	0.00
1,370.50	5.00	(N/A)	0.00
1,370.60	5.14	(N/A)	0.00
1,371.00	5.67	(N/A)	0.00

Computation Messages
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
Upstream HW & DNstream TW < Inv.El
CRIT.DEPTH CONTROL Vh= .064ft Dcr= .185ft
CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .214ft Dcr= .535ft
CRIT.DEPTH Hev= .00ft
H =.75
H =1.25
H =1.75
H =1.85

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = BMP 1 Orifice (Orifice-Circular)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages
H =2.25

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,364.00	0.00	(N/A)	0.00
1,364.50	0.00	(N/A)	0.00
1,365.00	0.00	(N/A)	0.00
1,365.50	0.00	(N/A)	0.00
1,366.00	0.00	(N/A)	0.00
1,366.50	0.00	(N/A)	0.00
1,367.00	0.00	(N/A)	0.00
1,367.50	0.00	(N/A)	0.00
1,368.00	0.00	(N/A)	0.00
1,368.25	0.00	(N/A)	0.00
1,368.50	0.00	(N/A)	0.00
1,369.00	0.00	(N/A)	0.00
1,369.50	0.00	(N/A)	0.00
1,370.00	0.00	(N/A)	0.00
1,370.50	0.00	(N/A)	0.00
1,370.60	0.00	(N/A)	0.00
1,371.00	3.04	(N/A)	0.00

Computation Messages
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
HW & TW below Inv.El.=1370.600
H=.00; Htw=.00; Qfree=.00;
H=.40; Htw=.00; Qfree=3.04;

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 1

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
1,364.00	0.00	(N/A)	0.00	None Contributing
1,364.50	0.00	(N/A)	0.00	None Contributing
1,365.00	0.00	(N/A)	0.00	None Contributing
1,365.50	0.00	(N/A)	0.00	None Contributing
1,366.00	0.00	(N/A)	0.00	None Contributing
1,366.50	0.00	(N/A)	0.00	None Contributing
1,367.00	0.00	(N/A)	0.00	None Contributing
1,367.50	0.00	(N/A)	0.00	None Contributing
1,368.00	0.00	(N/A)	0.00	None Contributing
1,368.25	0.00	(N/A)	0.00	None Contributing
1,368.50	0.20	(N/A)	0.00	BMP 1 Orifice
1,369.00	1.59	(N/A)	0.00	BMP 1 Orifice
1,369.50	3.27	(N/A)	0.00	BMP 1 Orifice
1,370.00	4.23	(N/A)	0.00	BMP 1 Orifice
1,370.50	5.00	(N/A)	0.00	BMP 1 Orifice
1,370.60	5.14	(N/A)	0.00	BMP 1 Orifice + Weir - 1
1,371.00	8.71	(N/A)	0.00	BMP 1 Orifice + Weir - 1

Subsection: Outlet Input Data
Label: Composite Outlet Structure - 4

Requested Pond Water Surface Elevations	
Minimum (Headwater)	1,356.25 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	1,363.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Area	BMP 4 Orifice	Forward	TW	1,361.00	1,363.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: Composite Outlet Structure - 4

Structure ID: BMP 4 Orifice Structure Type: Orifice-Area	
Number of Openings	1
Elevation	1,361.00 ft
Orifice Area	0.8 ft²
Top Elevation	0.00 ft
Datum Elevation	0.00 ft
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 4

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = BMP 4 Orifice (Orifice-Area)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,356.25	0.00	(N/A)	0.00
1,356.75	0.00	(N/A)	0.00
1,357.25	0.00	(N/A)	0.00
1,357.75	0.00	(N/A)	0.00
1,358.25	0.00	(N/A)	0.00
1,358.75	0.00	(N/A)	0.00
1,359.25	0.00	(N/A)	0.00
1,359.75	0.00	(N/A)	0.00
1,360.25	0.00	(N/A)	0.00
1,360.75	0.00	(N/A)	0.00
1,361.00	0.00	(N/A)	0.00
1,361.25	1.80	(N/A)	0.00
1,361.75	3.13	(N/A)	0.00
1,362.25	4.04	(N/A)	0.00
1,362.75	4.78	(N/A)	0.00
1,363.00	5.10	(N/A)	0.00

Computation Messages
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
HW & TW below invert
H =.00
H =.25
H =.75
H =1.25
H =1.75
H =2.00

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 4

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
1,356.25	0.00	(N/A)	0.00
1,356.75	0.00	(N/A)	0.00
1,357.25	0.00	(N/A)	0.00
1,357.75	0.00	(N/A)	0.00
1,358.25	0.00	(N/A)	0.00
1,358.75	0.00	(N/A)	0.00
1,359.25	0.00	(N/A)	0.00
1,359.75	0.00	(N/A)	0.00
1,360.25	0.00	(N/A)	0.00
1,360.75	0.00	(N/A)	0.00
1,361.00	0.00	(N/A)	0.00
1,361.25	1.80	(N/A)	0.00
1,361.75	3.13	(N/A)	0.00
1,362.25	4.04	(N/A)	0.00
1,362.75	4.78	(N/A)	0.00
1,363.00	5.10	(N/A)	0.00

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
BMP 4 Orifice
BMP 4 Orifice
BMP 4 Orifice
BMP 4 Orifice
BMP 4 Orifice
BMP 4 Orifice

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BMP 1

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.52 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,364.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
1,364.00	0.00	0.000	0.000	0.00	0.00	0.00
1,364.50	0.00	2,888.600	0.000	0.52	0.52	32.62
1,365.00	0.00	7,457.150	0.000	0.52	0.52	83.38
1,365.50	0.00	13,584.710	0.000	0.52	0.52	151.46
1,366.00	0.00	19,544.240	0.000	0.52	0.52	217.68
1,366.50	0.00	25,310.770	0.000	0.52	0.52	281.75
1,367.00	0.00	30,815.810	0.000	0.52	0.52	342.92
1,367.50	0.00	35,958.090	0.000	0.52	0.52	400.05
1,368.00	0.00	40,559.460	0.000	0.52	0.52	451.18
1,368.50	0.37	44,060.840	0.000	0.52	0.89	490.45
1,369.00	3.44	46,949.440	0.000	0.52	3.96	525.62
1,369.50	8.18	49,838.040	0.000	0.52	8.70	562.46
1,370.00	12.52	52,726.630	0.000	0.52	13.04	598.89
1,370.50	15.24	55,615.230	0.000	0.52	15.76	633.71
1,371.00	20.58	58,503.830	0.000	0.52	21.10	671.15

Subsection: Pond Infiltration Hydrograph
Label: BMP 1 (INF)

Peak Discharge	0.52 ft³/s
Time to Peak	9.200 hours
Hydrograph Volume	43,475.283 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	0.01	0.03	0.05
0.250	0.08	0.10	0.12	0.14	0.16
0.500	0.18	0.20	0.22	0.24	0.25
0.750	0.27	0.29	0.30	0.32	0.33
1.000	0.35	0.36	0.38	0.39	0.40
1.250	0.42	0.43	0.44	0.45	0.46
1.500	0.47	0.48	0.49	0.50	0.51
1.750	0.52	0.52	0.52	0.52	0.52
2.000	0.52	0.52	0.52	0.52	0.52
2.250	0.52	0.52	0.52	0.52	0.52
2.500	0.52	0.52	0.52	0.52	0.52
2.750	0.52	0.52	0.52	0.52	0.52
3.000	0.52	0.52	0.52	0.52	0.52
3.250	0.52	0.52	0.52	0.52	0.52
3.500	0.52	0.52	0.52	0.52	0.52
3.750	0.52	0.52	0.52	0.52	0.52
4.000	0.52	0.52	0.52	0.52	0.52
4.250	0.52	0.52	0.52	0.52	0.52
4.500	0.52	0.52	0.52	0.52	0.52
4.750	0.52	0.52	0.52	0.52	0.52
5.000	0.52	0.52	0.52	0.52	0.52
5.250	0.52	0.52	0.52	0.52	0.52
5.500	0.52	0.52	0.52	0.52	0.52
5.750	0.52	0.52	0.52	0.52	0.52
6.000	0.52	0.52	0.52	0.52	0.52
6.250	0.52	0.52	0.52	0.52	0.52
6.500	0.52	0.52	0.52	0.52	0.52
6.750	0.52	0.52	0.52	0.52	0.52
7.000	0.52	0.52	0.52	0.52	0.52
7.250	0.52	0.52	0.52	0.52	0.52
7.500	0.52	0.52	0.52	0.52	0.52
7.750	0.52	0.52	0.52	0.52	0.52
8.000	0.52	0.52	0.52	0.52	0.52
8.250	0.52	0.52	0.52	0.52	0.52
8.500	0.52	0.52	0.52	0.52	0.52
8.750	0.52	0.52	0.52	0.52	0.52
9.000	0.52	0.52	0.52	0.52	0.52
9.250	0.52	0.52	0.52	0.52	0.52
9.500	0.52	0.52	0.52	0.52	0.52

Subsection: Pond Infiltration Hydrograph
Label: BMP 1 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.750	0.52	0.52	0.52	0.52	0.52
10.000	0.52	0.52	0.52	0.52	0.52
10.250	0.52	0.52	0.52	0.52	0.52
10.500	0.52	0.52	0.52	0.52	0.52
10.750	0.52	0.52	0.52	0.52	0.52
11.000	0.52	0.52	0.52	0.52	0.52
11.250	0.52	0.52	0.52	0.52	0.52
11.500	0.52	0.52	0.52	0.52	0.52
11.750	0.52	0.52	0.52	0.52	0.52
12.000	0.52	0.52	0.52	0.52	0.52
12.250	0.52	0.52	0.52	0.52	0.52
12.500	0.52	0.52	0.52	0.52	0.52
12.750	0.52	0.52	0.52	0.52	0.52
13.000	0.52	0.52	0.52	0.52	0.52
13.250	0.52	0.52	0.52	0.52	0.52
13.500	0.52	0.52	0.52	0.52	0.52
13.750	0.52	0.52	0.52	0.52	0.52
14.000	0.52	0.52	0.52	0.52	0.52
14.250	0.52	0.52	0.52	0.52	0.52
14.500	0.52	0.52	0.52	0.52	0.52
14.750	0.52	0.52	0.52	0.52	0.52
15.000	0.52	0.52	0.52	0.52	0.52
15.250	0.52	0.52	0.52	0.52	0.52
15.500	0.52	0.52	0.52	0.52	0.52
15.750	0.52	0.52	0.52	0.52	0.52
16.000	0.52	0.52	0.52	0.52	0.52
16.250	0.52	0.52	0.52	0.52	0.52
16.500	0.52	0.52	0.52	0.52	0.52
16.750	0.52	0.52	0.52	0.52	0.52
17.000	0.52	0.52	0.52	0.52	0.52
17.250	0.52	0.52	0.52	0.52	0.52
17.500	0.52	0.52	0.52	0.52	0.52
17.750	0.52	0.52	0.52	0.52	0.52
18.000	0.52	0.52	0.52	0.52	0.52
18.250	0.52	0.52	0.52	0.52	0.52
18.500	0.52	0.52	0.52	0.52	0.52
18.750	0.52	0.52	0.52	0.52	0.52
19.000	0.52	0.52	0.52	0.52	0.52
19.250	0.52	0.52	0.52	0.52	0.52
19.500	0.52	0.52	0.52	0.52	0.52
19.750	0.52	0.52	0.52	0.52	0.52
20.000	0.52	0.52	0.52	0.52	0.52
20.250	0.52	0.52	0.52	0.52	0.52
20.500	0.52	0.52	0.52	0.52	0.52

Subsection: Pond Infiltration Hydrograph
Label: BMP 1 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.750	0.52	0.52	0.52	0.52	0.52
21.000	0.52	0.52	0.52	0.52	0.52
21.250	0.52	0.52	0.52	0.52	0.52
21.500	0.52	0.52	0.52	0.52	0.52
21.750	0.52	0.52	0.52	0.52	0.52
22.000	0.52	0.52	0.52	0.52	0.52
22.250	0.52	0.52	0.52	0.52	0.52
22.500	0.52	0.52	0.52	0.52	0.52
22.750	0.52	0.52	0.52	0.52	0.52
23.000	0.52	0.52	0.52	0.52	0.52
23.250	0.52	0.52	0.52	0.52	0.52
23.500	0.52	0.52	0.52	0.52	0.52
23.750	0.52	0.52	0.52	0.52	0.52
24.000	0.52	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Level Pool Pond Routing Summary
Label: BMP 1 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.52 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,364.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	20.88 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	0.52 ft³/s	Time to Peak (Infiltration)	1.750 hours
Flow (Peak Outlet)	13.44 ft³/s	Time to Peak (Flow, Outlet)	16.300 hours

Elevation (Water Surface, Peak)	1,370.17 ft
Volume (Peak)	53,687.581 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	149,707.000 ft³
Volume (Total Infiltration)	43,569.000 ft³
Volume (Total Outlet Outflow)	62,453.000 ft³
Volume (Retained)	43,664.000 ft³
Volume (Unrouted)	-21.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out)
Label: BMP 1 (OUT)

Peak Discharge	13.44 ft³/s
Time to Peak	16.300 hours
Hydrograph Volume	62,453.338 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
14.600	0.00	0.02	0.06	0.11	0.16
14.850	0.20	0.25	0.30	0.35	0.61
15.100	1.03	1.40	1.72	2.00	2.25
15.350	2.46	2.68	2.92	3.20	3.52
15.600	3.92	4.26	4.55	4.85	5.16
15.850	5.50	5.87	6.31	6.80	7.50
16.100	8.71	10.44	12.49	13.39	13.44
16.350	12.79	11.40	9.94	8.66	7.49
16.600	6.50	5.70	5.04	4.52	4.09
16.850	3.73	3.44	3.27	3.12	2.98
17.100	2.85	2.73	2.62	2.52	2.43
17.350	2.34	2.26	2.19	2.12	2.05
17.600	1.99	1.93	1.88	1.83	1.78
17.850	1.74	1.70	1.66	1.62	1.59
18.100	1.54	1.49	1.43	1.38	1.33
18.350	1.28	1.24	1.20	1.17	1.14
18.600	1.11	1.08	1.06	1.03	1.01
18.850	0.99	0.97	0.95	0.94	0.92
19.100	0.90	0.89	0.87	0.86	0.85
19.350	0.83	0.82	0.81	0.79	0.78
19.600	0.77	0.76	0.75	0.74	0.73
19.850	0.72	0.71	0.70	0.69	0.68
20.100	0.67	0.66	0.65	0.64	0.63
20.350	0.62	0.62	0.61	0.60	0.59
20.600	0.59	0.58	0.57	0.56	0.56
20.850	0.55	0.54	0.54	0.53	0.52
21.100	0.52	0.51	0.50	0.50	0.49
21.350	0.49	0.48	0.48	0.47	0.47
21.600	0.46	0.46	0.45	0.44	0.44
21.850	0.43	0.43	0.43	0.42	0.42
22.100	0.41	0.41	0.40	0.40	0.39
22.350	0.39	0.39	0.38	0.38	0.37
22.600	0.37	0.37	0.37	0.37	0.37
22.850	0.37	0.37	0.36	0.36	0.36
23.100	0.36	0.36	0.36	0.36	0.36
23.350	0.36	0.36	0.35	0.35	0.35
23.600	0.35	0.35	0.35	0.35	0.34
23.850	0.34	0.34	0.34	0.34	(N/A)

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
0.050	1,364.00	0.00	0.00	0.00
0.100	1,364.01	0.00	0.00	0.00
0.150	1,364.03	0.00	0.00	0.00
0.200	1,364.05	0.00	0.00	0.00
0.250	1,364.07	0.00	0.00	0.00
0.300	1,364.10	0.00	0.00	0.00
0.350	1,364.12	0.00	0.00	0.00
0.400	1,364.14	0.00	0.00	0.00
0.450	1,364.16	0.00	0.00	0.00
0.500	1,364.17	0.00	0.00	0.00
0.550	1,364.19	0.00	0.00	0.00
0.600	1,364.21	0.00	0.00	0.00
0.650	1,364.23	0.00	0.00	0.00
0.700	1,364.24	0.00	0.00	0.00
0.750	1,364.26	0.00	0.00	0.00
0.800	1,364.28	0.00	0.00	0.00
0.850	1,364.29	0.00	0.00	0.00
0.900	1,364.31	0.00	0.00	0.00
0.950	1,364.32	0.00	0.00	0.00
1.000	1,364.34	0.00	0.00	0.00
1.050	1,364.35	0.00	0.00	0.00
1.100	1,364.36	0.00	0.00	0.00
1.150	1,364.38	0.00	0.00	0.00
1.200	1,364.39	0.00	0.00	0.00
1.250	1,364.40	0.00	0.00	0.00
1.300	1,364.41	0.00	0.00	0.00
1.350	1,364.42	0.00	0.00	0.00
1.400	1,364.43	0.00	0.00	0.00
1.450	1,364.44	0.00	0.00	0.00
1.500	1,364.46	0.00	0.00	0.00
1.550	1,364.47	0.00	0.00	0.00
1.600	1,364.48	0.00	0.00	0.00
1.650	1,364.49	0.00	0.00	0.00
1.700	1,364.49	0.00	0.00	0.00
1.750	1,364.50	0.00	0.00	0.00
1.800	1,364.51	0.00	0.00	0.00
1.850	1,364.51	0.00	0.00	0.00
1.900	1,364.52	0.00	0.00	0.00
1.950	1,364.53	0.00	0.00	0.00
2.000	1,364.53	0.00	0.00	0.00
2.050	1,364.54	0.00	0.00	0.00
2.100	1,364.54	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
2.150	1,364.55	0.00	0.00	0.00
2.200	1,364.56	0.00	0.00	0.00
2.250	1,364.56	0.00	0.00	0.00
2.300	1,364.57	0.00	0.00	0.00
2.350	1,364.57	0.00	0.00	0.00
2.400	1,364.58	0.00	0.00	0.00
2.450	1,364.59	0.00	0.00	0.00
2.500	1,364.59	0.00	0.00	0.00
2.550	1,364.60	0.00	0.00	0.00
2.600	1,364.61	0.00	0.00	0.00
2.650	1,364.61	0.00	0.00	0.00
2.700	1,364.62	0.00	0.00	0.00
2.750	1,364.62	0.00	0.00	0.00
2.800	1,364.63	0.00	0.00	0.00
2.850	1,364.64	0.00	0.00	0.00
2.900	1,364.64	0.00	0.00	0.00
2.950	1,364.65	0.00	0.00	0.00
3.000	1,364.66	0.00	0.00	0.00
3.050	1,364.66	0.00	0.00	0.00
3.100	1,364.67	0.00	0.00	0.00
3.150	1,364.68	0.00	0.00	0.00
3.200	1,364.68	0.00	0.00	0.00
3.250	1,364.69	0.00	0.00	0.00
3.300	1,364.70	0.00	0.00	0.00
3.350	1,364.70	0.00	0.00	0.00
3.400	1,364.71	0.00	0.00	0.00
3.450	1,364.72	0.00	0.00	0.00
3.500	1,364.73	0.00	0.00	0.00
3.550	1,364.73	0.00	0.00	0.00
3.600	1,364.74	0.00	0.00	0.00
3.650	1,364.75	0.00	0.00	0.00
3.700	1,364.75	0.00	0.00	0.00
3.750	1,364.76	0.00	0.00	0.00
3.800	1,364.77	0.00	0.00	0.00
3.850	1,364.78	0.00	0.00	0.00
3.900	1,364.78	0.00	0.00	0.00
3.950	1,364.79	0.00	0.00	0.00
4.000	1,364.80	0.00	0.00	0.00
4.050	1,364.80	0.00	0.00	0.00
4.100	1,364.81	0.00	0.00	0.00
4.150	1,364.82	0.00	0.00	0.00
4.200	1,364.83	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
4.250	1,364.83	0.00	0.00	0.00
4.300	1,364.84	0.00	0.00	0.00
4.350	1,364.85	0.00	0.00	0.00
4.400	1,364.86	0.00	0.00	0.00
4.450	1,364.87	0.00	0.00	0.00
4.500	1,364.87	0.00	0.00	0.00
4.550	1,364.88	0.00	0.00	0.00
4.600	1,364.89	0.00	0.00	0.00
4.650	1,364.90	0.00	0.00	0.00
4.700	1,364.90	0.00	0.00	0.00
4.750	1,364.91	0.00	0.00	0.00
4.800	1,364.92	0.00	0.00	0.00
4.850	1,364.93	0.00	0.00	0.00
4.900	1,364.94	0.00	0.00	0.00
4.950	1,364.95	0.00	0.00	0.00
5.000	1,364.95	0.00	0.00	0.00
5.050	1,364.96	0.00	0.00	0.00
5.100	1,364.97	0.00	0.00	0.00
5.150	1,364.98	0.00	0.00	0.00
5.200	1,364.99	0.00	0.00	0.00
5.250	1,365.00	0.00	0.00	0.00
5.300	1,365.00	0.00	0.00	0.00
5.350	1,365.01	0.00	0.00	0.00
5.400	1,365.02	0.00	0.00	0.00
5.450	1,365.02	0.00	0.00	0.00
5.500	1,365.03	0.00	0.00	0.00
5.550	1,365.03	0.00	0.00	0.00
5.600	1,365.04	0.00	0.00	0.00
5.650	1,365.05	0.00	0.00	0.00
5.700	1,365.05	0.00	0.00	0.00
5.750	1,365.06	0.00	0.00	0.00
5.800	1,365.07	0.00	0.00	0.00
5.850	1,365.07	0.00	0.00	0.00
5.900	1,365.08	0.00	0.00	0.00
5.950	1,365.09	0.00	0.00	0.00
6.000	1,365.10	0.00	0.00	0.00
6.050	1,365.10	0.00	0.00	0.00
6.100	1,365.11	0.00	0.00	0.00
6.150	1,365.12	0.00	0.00	0.00
6.200	1,365.12	0.00	0.00	0.00
6.250	1,365.13	0.00	0.00	0.00
6.300	1,365.14	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
6.350	1,365.14	0.00	0.00	0.00
6.400	1,365.15	0.00	0.00	0.00
6.450	1,365.16	0.00	0.00	0.00
6.500	1,365.17	0.00	0.00	0.00
6.550	1,365.17	0.00	0.00	0.00
6.600	1,365.18	0.00	0.00	0.00
6.650	1,365.19	0.00	0.00	0.00
6.700	1,365.20	0.00	0.00	0.00
6.750	1,365.20	0.00	0.00	0.00
6.800	1,365.21	0.00	0.00	0.00
6.850	1,365.22	0.00	0.00	0.00
6.900	1,365.23	0.00	0.00	0.00
6.950	1,365.23	0.00	0.00	0.00
7.000	1,365.24	0.00	0.00	0.00
7.050	1,365.25	0.00	0.00	0.00
7.100	1,365.26	0.00	0.00	0.00
7.150	1,365.27	0.00	0.00	0.00
7.200	1,365.27	0.00	0.00	0.00
7.250	1,365.28	0.00	0.00	0.00
7.300	1,365.29	0.00	0.00	0.00
7.350	1,365.30	0.00	0.00	0.00
7.400	1,365.31	0.00	0.00	0.00
7.450	1,365.31	0.00	0.00	0.00
7.500	1,365.32	0.00	0.00	0.00
7.550	1,365.33	0.00	0.00	0.00
7.600	1,365.34	0.00	0.00	0.00
7.650	1,365.35	0.00	0.00	0.00
7.700	1,365.35	0.00	0.00	0.00
7.750	1,365.36	0.00	0.00	0.00
7.800	1,365.37	0.00	0.00	0.00
7.850	1,365.38	0.00	0.00	0.00
7.900	1,365.39	0.00	0.00	0.00
7.950	1,365.40	0.00	0.00	0.00
8.000	1,365.41	0.00	0.00	0.00
8.050	1,365.42	0.00	0.00	0.00
8.100	1,365.42	0.00	0.00	0.00
8.150	1,365.43	0.00	0.00	0.00
8.200	1,365.44	0.00	0.00	0.00
8.250	1,365.45	0.00	0.00	0.00
8.300	1,365.46	0.00	0.00	0.00
8.350	1,365.47	0.00	0.00	0.00
8.400	1,365.48	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
8.450	1,365.49	0.00	0.00	0.00
8.500	1,365.50	0.00	0.00	0.00
8.550	1,365.51	0.00	0.00	0.00
8.600	1,365.52	0.00	0.00	0.00
8.650	1,365.53	0.00	0.00	0.00
8.700	1,365.54	0.00	0.00	0.00
8.750	1,365.55	0.00	0.00	0.00
8.800	1,365.56	0.00	0.00	0.00
8.850	1,365.57	0.00	0.00	0.00
8.900	1,365.58	0.00	0.00	0.00
8.950	1,365.59	0.00	0.00	0.00
9.000	1,365.60	0.00	0.00	0.00
9.050	1,365.61	0.00	0.00	0.00
9.100	1,365.62	0.00	0.00	0.00
9.150	1,365.63	0.00	0.00	0.00
9.200	1,365.64	0.00	0.00	0.00
9.250	1,365.65	0.00	0.00	0.00
9.300	1,365.66	0.00	0.00	0.00
9.350	1,365.67	0.00	0.00	0.00
9.400	1,365.68	0.00	0.00	0.00
9.450	1,365.69	0.00	0.00	0.00
9.500	1,365.70	0.00	0.00	0.00
9.550	1,365.71	0.00	0.00	0.00
9.600	1,365.72	0.00	0.00	0.00
9.650	1,365.74	0.00	0.00	0.00
9.700	1,365.75	0.00	0.00	0.00
9.750	1,365.76	0.00	0.00	0.00
9.800	1,365.77	0.00	0.00	0.00
9.850	1,365.78	0.00	0.00	0.00
9.900	1,365.79	0.00	0.00	0.00
9.950	1,365.81	0.00	0.00	0.00
10.000	1,365.82	0.00	0.00	0.00
10.050	1,365.83	0.00	0.00	0.00
10.100	1,365.84	0.00	0.00	0.00
10.150	1,365.85	0.00	0.00	0.00
10.200	1,365.87	0.00	0.00	0.00
10.250	1,365.88	0.00	0.00	0.00
10.300	1,365.89	0.00	0.00	0.00
10.350	1,365.90	0.00	0.00	0.00
10.400	1,365.91	0.00	0.00	0.00
10.450	1,365.93	0.00	0.00	0.00
10.500	1,365.94	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
10.550	1,365.95	0.00	0.00	0.00
10.600	1,365.97	0.00	0.00	0.00
10.650	1,365.98	0.00	0.00	0.00
10.700	1,365.99	0.00	0.00	0.00
10.750	1,366.01	0.00	0.00	0.00
10.800	1,366.02	0.00	0.00	0.00
10.850	1,366.03	0.00	0.00	0.00
10.900	1,366.05	0.00	0.00	0.00
10.950	1,366.06	0.00	0.00	0.00
11.000	1,366.08	0.00	0.00	0.00
11.050	1,366.09	0.00	0.00	0.00
11.100	1,366.10	0.00	0.00	0.00
11.150	1,366.12	0.00	0.00	0.00
11.200	1,366.13	0.00	0.00	0.00
11.250	1,366.15	0.00	0.00	0.00
11.300	1,366.16	0.00	0.00	0.00
11.350	1,366.18	0.00	0.00	0.00
11.400	1,366.19	0.00	0.00	0.00
11.450	1,366.21	0.00	0.00	0.00
11.500	1,366.23	0.00	0.00	0.00
11.550	1,366.24	0.00	0.00	0.00
11.600	1,366.26	0.00	0.00	0.00
11.650	1,366.27	0.00	0.00	0.00
11.700	1,366.29	0.00	0.00	0.00
11.750	1,366.31	0.00	0.00	0.00
11.800	1,366.32	0.00	0.00	0.00
11.850	1,366.34	0.00	0.00	0.00
11.900	1,366.36	0.00	0.00	0.00
11.950	1,366.37	0.00	0.00	0.00
12.000	1,366.39	0.00	0.00	0.00
12.050	1,366.41	0.00	0.00	0.00
12.100	1,366.43	0.00	0.00	0.00
12.150	1,366.44	0.00	0.00	0.00
12.200	1,366.47	0.00	0.00	0.00
12.250	1,366.49	0.00	0.00	0.00
12.300	1,366.51	0.00	0.00	0.00
12.350	1,366.53	0.00	0.00	0.00
12.400	1,366.55	0.00	0.00	0.00
12.450	1,366.58	0.00	0.00	0.00
12.500	1,366.60	0.00	0.00	0.00
12.550	1,366.62	0.00	0.00	0.00
12.600	1,366.65	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
12.650	1,366.67	0.00	0.00	0.00
12.700	1,366.70	0.00	0.00	0.00
12.750	1,366.72	0.00	0.00	0.00
12.800	1,366.75	0.00	0.00	0.00
12.850	1,366.77	0.00	0.00	0.00
12.900	1,366.80	0.00	0.00	0.00
12.950	1,366.82	0.00	0.00	0.00
13.000	1,366.85	0.00	0.00	0.00
13.050	1,366.87	0.00	0.00	0.00
13.100	1,366.90	0.00	0.00	0.00
13.150	1,366.93	0.00	0.00	0.00
13.200	1,366.95	0.00	0.00	0.00
13.250	1,366.98	0.00	0.00	0.00
13.300	1,367.01	0.00	0.00	0.00
13.350	1,367.04	0.00	0.00	0.00
13.400	1,367.07	0.00	0.00	0.00
13.450	1,367.10	0.00	0.00	0.00
13.500	1,367.13	0.00	0.00	0.00
13.550	1,367.16	0.00	0.00	0.00
13.600	1,367.19	0.00	0.00	0.00
13.650	1,367.22	0.00	0.00	0.00
13.700	1,367.26	0.00	0.00	0.00
13.750	1,367.29	0.00	0.00	0.00
13.800	1,367.32	0.00	0.00	0.00
13.850	1,367.35	0.00	0.00	0.00
13.900	1,367.39	0.00	0.00	0.00
13.950	1,367.42	0.00	0.00	0.00
14.000	1,367.46	0.00	0.00	0.00
14.050	1,367.49	0.00	0.00	0.00
14.100	1,367.53	0.00	0.00	0.00
14.150	1,367.57	0.00	0.00	0.00
14.200	1,367.61	0.00	0.00	0.00
14.250	1,367.66	0.00	0.00	0.00
14.300	1,367.70	0.00	0.00	0.00
14.350	1,367.74	0.00	0.00	0.00
14.400	1,367.78	0.00	0.00	0.00
14.450	1,367.83	0.00	0.00	0.00
14.500	1,367.87	0.00	0.00	0.00
14.550	1,367.92	0.00	0.00	0.00
14.600	1,367.97	0.00	0.00	0.00
14.650	1,368.02	0.02	0.01	0.01
14.700	1,368.08	0.06	0.03	0.03

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
14.750	1,368.15	0.11	0.05	0.06
14.800	1,368.21	0.16	0.07	0.09
14.850	1,368.28	0.20	0.09	0.11
14.900	1,368.34	0.25	0.11	0.14
14.950	1,368.41	0.30	0.13	0.17
15.000	1,368.47	0.35	0.16	0.19
15.050	1,368.54	0.61	0.30	0.31
15.100	1,368.61	1.03	0.53	0.50
15.150	1,368.67	1.40	0.73	0.67
15.200	1,368.72	1.72	0.91	0.81
15.250	1,368.77	2.00	1.06	0.94
15.300	1,368.81	2.25	1.20	1.05
15.350	1,368.84	2.46	1.32	1.15
15.400	1,368.88	2.68	1.43	1.24
15.450	1,368.92	2.92	1.57	1.35
15.500	1,368.96	3.20	1.72	1.48
15.550	1,369.01	3.52	1.90	1.61
15.600	1,369.05	3.92	2.16	1.76
15.650	1,369.09	4.26	2.38	1.88
15.700	1,369.12	4.55	2.57	1.98
15.750	1,369.15	4.85	2.76	2.09
15.800	1,369.18	5.16	2.96	2.20
15.850	1,369.22	5.50	3.18	2.32
15.900	1,369.26	5.87	3.42	2.45
15.950	1,369.30	6.31	3.70	2.61
16.000	1,369.35	6.80	4.01	2.78
16.050	1,369.43	7.50	4.47	3.03
16.100	1,369.56	8.71	5.32	3.39
16.150	1,369.76	10.44	6.67	3.77
16.200	1,370.00	12.49	8.27	4.22
16.250	1,370.16	13.39	8.91	4.47
16.300	1,370.17	13.44	8.95	4.49
16.350	1,370.05	12.79	8.49	4.31
16.400	1,369.87	11.40	7.42	3.98
16.450	1,369.70	9.94	6.28	3.66
16.500	1,369.56	8.66	5.28	3.38
16.550	1,369.43	7.49	4.46	3.03
16.600	1,369.32	6.50	3.82	2.67
16.650	1,369.24	5.70	3.31	2.39
16.700	1,369.17	5.04	2.89	2.16
16.750	1,369.11	4.52	2.55	1.97
16.800	1,369.07	4.09	2.27	1.82

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
16.850	1,369.03	3.73	2.04	1.69
16.900	1,369.00	3.44	1.85	1.59
16.950	1,368.97	3.27	1.76	1.51
17.000	1,368.95	3.12	1.68	1.44
17.050	1,368.92	2.98	1.60	1.38
17.100	1,368.90	2.85	1.53	1.32
17.150	1,368.88	2.73	1.46	1.27
17.200	1,368.87	2.62	1.40	1.22
17.250	1,368.85	2.52	1.35	1.17
17.300	1,368.83	2.43	1.30	1.13
17.350	1,368.82	2.34	1.25	1.09
17.400	1,368.81	2.26	1.21	1.05
17.450	1,368.80	2.19	1.16	1.02
17.500	1,368.78	2.12	1.13	0.99
17.550	1,368.77	2.05	1.09	0.96
17.600	1,368.76	1.99	1.06	0.93
17.650	1,368.75	1.93	1.03	0.91
17.700	1,368.75	1.88	1.00	0.88
17.750	1,368.74	1.83	0.97	0.86
17.800	1,368.73	1.78	0.94	0.84
17.850	1,368.72	1.74	0.92	0.82
17.900	1,368.72	1.70	0.90	0.80
17.950	1,368.71	1.66	0.88	0.78
18.000	1,368.70	1.62	0.85	0.77
18.050	1,368.70	1.59	0.83	0.75
18.100	1,368.69	1.54	0.81	0.73
18.150	1,368.68	1.49	0.78	0.71
18.200	1,368.67	1.43	0.75	0.68
18.250	1,368.66	1.38	0.72	0.66
18.300	1,368.66	1.33	0.69	0.63
18.350	1,368.65	1.28	0.67	0.61
18.400	1,368.64	1.24	0.64	0.60
18.450	1,368.64	1.20	0.62	0.58
18.500	1,368.63	1.17	0.61	0.56
18.550	1,368.63	1.14	0.59	0.55
18.600	1,368.62	1.11	0.57	0.54
18.650	1,368.62	1.08	0.56	0.52
18.700	1,368.61	1.06	0.54	0.51
18.750	1,368.61	1.03	0.53	0.50
18.800	1,368.60	1.01	0.52	0.49
18.850	1,368.60	0.99	0.51	0.48
18.900	1,368.60	0.97	0.50	0.47

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
18.950	1,368.59	0.95	0.49	0.47
19.000	1,368.59	0.94	0.48	0.46
19.050	1,368.59	0.92	0.47	0.45
19.100	1,368.59	0.90	0.46	0.44
19.150	1,368.58	0.89	0.45	0.44
19.200	1,368.58	0.87	0.44	0.43
19.250	1,368.58	0.86	0.44	0.42
19.300	1,368.58	0.85	0.43	0.42
19.350	1,368.58	0.83	0.42	0.41
19.400	1,368.57	0.82	0.41	0.41
19.450	1,368.57	0.81	0.41	0.40
19.500	1,368.57	0.79	0.40	0.39
19.550	1,368.57	0.78	0.39	0.39
19.600	1,368.57	0.77	0.39	0.38
19.650	1,368.56	0.76	0.38	0.38
19.700	1,368.56	0.75	0.37	0.37
19.750	1,368.56	0.74	0.37	0.37
19.800	1,368.56	0.73	0.36	0.36
19.850	1,368.56	0.72	0.36	0.36
19.900	1,368.55	0.71	0.35	0.36
19.950	1,368.55	0.70	0.35	0.35
20.000	1,368.55	0.69	0.34	0.35
20.050	1,368.55	0.68	0.33	0.34
20.100	1,368.55	0.67	0.33	0.34
20.150	1,368.55	0.66	0.32	0.33
20.200	1,368.55	0.65	0.32	0.33
20.250	1,368.54	0.64	0.31	0.33
20.300	1,368.54	0.63	0.31	0.32
20.350	1,368.54	0.62	0.31	0.32
20.400	1,368.54	0.62	0.30	0.31
20.450	1,368.54	0.61	0.30	0.31
20.500	1,368.54	0.60	0.29	0.31
20.550	1,368.54	0.59	0.29	0.30
20.600	1,368.54	0.59	0.29	0.30
20.650	1,368.53	0.58	0.28	0.30
20.700	1,368.53	0.57	0.28	0.29
20.750	1,368.53	0.56	0.27	0.29
20.800	1,368.53	0.56	0.27	0.29
20.850	1,368.53	0.55	0.26	0.28
20.900	1,368.53	0.54	0.26	0.28
20.950	1,368.53	0.54	0.26	0.28
21.000	1,368.53	0.53	0.25	0.28

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
21.050	1,368.52	0.52	0.25	0.27
21.100	1,368.52	0.52	0.25	0.27
21.150	1,368.52	0.51	0.24	0.27
21.200	1,368.52	0.50	0.24	0.26
21.250	1,368.52	0.50	0.24	0.26
21.300	1,368.52	0.49	0.23	0.26
21.350	1,368.52	0.49	0.23	0.26
21.400	1,368.52	0.48	0.23	0.25
21.450	1,368.52	0.48	0.22	0.25
21.500	1,368.52	0.47	0.22	0.25
21.550	1,368.52	0.47	0.22	0.25
21.600	1,368.51	0.46	0.22	0.24
21.650	1,368.51	0.46	0.21	0.24
21.700	1,368.51	0.45	0.21	0.24
21.750	1,368.51	0.44	0.21	0.24
21.800	1,368.51	0.44	0.20	0.24
21.850	1,368.51	0.43	0.20	0.23
21.900	1,368.51	0.43	0.20	0.23
21.950	1,368.51	0.43	0.20	0.23
22.000	1,368.51	0.42	0.19	0.23
22.050	1,368.51	0.42	0.19	0.22
22.100	1,368.51	0.41	0.19	0.22
22.150	1,368.51	0.41	0.19	0.22
22.200	1,368.51	0.40	0.18	0.22
22.250	1,368.50	0.40	0.18	0.22
22.300	1,368.50	0.39	0.18	0.21
22.350	1,368.50	0.39	0.18	0.21
22.400	1,368.50	0.39	0.18	0.21
22.450	1,368.50	0.38	0.17	0.21
22.500	1,368.50	0.38	0.17	0.21
22.550	1,368.50	0.37	0.17	0.21
22.600	1,368.50	0.37	0.17	0.20
22.650	1,368.50	0.37	0.17	0.20
22.700	1,368.50	0.37	0.17	0.20
22.750	1,368.50	0.37	0.16	0.20
22.800	1,368.50	0.37	0.16	0.20
22.850	1,368.50	0.37	0.16	0.20
22.900	1,368.50	0.37	0.16	0.20
22.950	1,368.49	0.36	0.16	0.20
23.000	1,368.49	0.36	0.16	0.20
23.050	1,368.49	0.36	0.16	0.20
23.100	1,368.49	0.36	0.16	0.20

Subsection: Diversion Calculations
Label: BMP 1 (OUT)

Diversion Calculations

Time (hours)	BMP 1 - Post-Development 100 Year - Elevation (ft)	BMP 1 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-1A - Post-Development 100 Year - Flow (ft³/s)	Outlet-1 - Post-Development 100 Year - Flow (ft³/s)
23.150	1,368.49	0.36	0.16	0.20
23.200	1,368.49	0.36	0.16	0.20
23.250	1,368.49	0.36	0.16	0.20
23.300	1,368.49	0.36	0.16	0.20
23.350	1,368.48	0.36	0.16	0.20
23.400	1,368.48	0.36	0.16	0.20
23.450	1,368.48	0.35	0.16	0.20
23.500	1,368.48	0.35	0.16	0.19
23.550	1,368.48	0.35	0.16	0.19
23.600	1,368.48	0.35	0.16	0.19
23.650	1,368.47	0.35	0.16	0.19
23.700	1,368.47	0.35	0.16	0.19
23.750	1,368.47	0.35	0.16	0.19
23.800	1,368.47	0.34	0.15	0.19
23.850	1,368.47	0.34	0.15	0.19
23.900	1,368.46	0.34	0.15	0.19
23.950	1,368.46	0.34	0.15	0.19

Subsection: Pond Inflow Summary
Label: BMP 1 (IN)

Summary for Hydrograph Addition at 'BMP 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DMA 1

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	DMA 1	149,997.580	16.194	21.45
Flow (In)	BMP 1	149,706.785	16.200	20.88

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BMP 2

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.83 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
1,365.10	0.00	0.000	0.000	0.00	0.00	0.00
1,365.18	0.00	1,705.400	0.000	1.83	1.83	20.78
1,365.27	0.00	3,410.800	0.000	1.83	1.83	39.73
1,365.35	0.00	5,116.200	0.000	1.83	1.83	58.68
1,365.43	0.00	6,821.590	0.000	1.83	1.83	77.63
1,365.52	0.00	8,526.990	0.000	1.83	1.83	96.57
1,365.60	0.00	10,232.390	0.000	1.83	1.83	115.52
1,365.68	0.00	11,937.790	0.000	1.83	1.83	134.47
1,365.77	0.00	13,643.190	0.000	1.83	1.83	153.42
1,365.85	0.00	15,348.590	0.000	1.83	1.83	172.37
1,365.93	0.00	19,136.400	0.000	1.83	1.83	214.46
1,366.02	0.00	22,907.960	0.000	1.83	1.83	256.36
1,366.10	0.00	26,663.330	0.000	1.83	1.83	298.09
1,366.18	0.00	30,402.380	0.000	1.83	1.83	339.63
1,366.27	0.00	34,124.240	0.000	1.83	1.83	380.99
1,366.35	0.00	37,829.450	0.000	1.83	1.83	422.16
1,366.43	0.00	41,518.270	0.000	1.83	1.83	463.14
1,366.52	0.00	45,190.890	0.000	1.83	1.83	503.95
1,366.60	0.00	48,846.630	0.000	1.83	1.83	544.57
1,366.68	0.00	52,485.280	0.000	1.83	1.83	585.00
1,366.77	0.00	56,106.010	0.000	1.83	1.83	625.23
1,366.85	0.00	59,709.550	0.000	1.83	1.83	665.27
1,366.93	0.00	63,295.150	0.000	1.83	1.83	705.11
1,367.02	0.00	66,862.360	0.000	1.83	1.83	744.75
1,367.10	0.00	70,410.490	0.000	1.83	1.83	784.17
1,367.18	0.00	73,939.070	0.000	1.83	1.83	823.38
1,367.27	0.00	77,447.310	0.000	1.83	1.83	862.36
1,367.35	0.00	80,934.840	0.000	1.83	1.83	901.11
1,367.43	0.00	84,400.340	0.000	1.83	1.83	939.61
1,367.52	0.00	87,845.840	0.000	1.83	1.83	977.89

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BMP 2

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
1,367.60	0.00	91,263.040	0.000	1.83	1.83	1,015.86
1,367.68	0.00	94,653.510	0.000	1.83	1.83	1,053.54
1,367.77	0.00	98,016.100	0.000	1.83	1.83	1,090.90
1,367.85	0.00	101,348.900	0.000	1.83	1.83	1,127.93
1,367.93	0.00	104,650.210	0.000	1.83	1.83	1,164.61
1,368.02	0.00	107,918.440	0.000	1.83	1.83	1,200.92
1,368.10	0.00	111,151.630	0.000	1.83	1.83	1,236.85
1,368.18	0.00	114,347.870	0.000	1.83	1.83	1,272.36
1,368.27	0.00	117,505.330	0.000	1.83	1.83	1,307.44
1,368.35	0.00	120,621.780	0.000	1.83	1.83	1,342.07
1,368.43	0.00	123,695.050	0.000	1.83	1.83	1,376.22
1,368.52	0.00	126,722.950	0.000	1.83	1.83	1,409.86
1,368.60	0.00	129,702.460	0.000	1.83	1.83	1,442.97
1,368.68	0.00	132,629.720	0.000	1.83	1.83	1,475.49
1,368.77	0.00	135,499.520	0.000	1.83	1.83	1,507.38
1,368.85	0.00	138,305.770	0.000	1.83	1.83	1,538.56
1,368.93	0.00	141,041.020	0.000	1.83	1.83	1,568.95
1,369.02	0.00	143,695.670	0.000	1.83	1.83	1,598.45
1,369.10	0.00	146,257.480	0.000	1.83	1.83	1,626.91
1,369.18	0.00	148,708.180	0.000	1.83	1.83	1,654.14
1,369.27	0.00	151,013.630	0.000	1.83	1.83	1,679.76
1,369.35	0.00	153,086.140	0.000	1.83	1.83	1,702.79
1,369.43	0.00	155,050.750	0.000	1.83	1.83	1,724.62
1,369.52	0.00	156,939.890	0.000	1.83	1.83	1,745.61
1,369.60	0.00	158,752.190	0.000	1.83	1.83	1,765.74
1,369.68	0.00	160,457.590	0.000	1.83	1.83	1,784.69
1,369.77	0.00	162,162.980	0.000	1.83	1.83	1,803.64
1,369.85	0.00	163,868.380	0.000	1.83	1.83	1,822.59
1,369.93	0.00	165,573.780	0.000	1.83	1.83	1,841.54
1,370.02	0.00	167,279.180	0.000	1.83	1.83	1,860.49
1,370.10	0.00	168,984.580	0.000	1.83	1.83	1,879.44
1,370.18	0.00	170,689.980	0.000	1.83	1.83	1,898.39
1,370.27	0.00	172,395.370	0.000	1.83	1.83	1,917.33
1,370.35	0.00	174,100.770	0.000	1.83	1.83	1,936.28
1,370.43	0.00	175,806.170	0.000	1.83	1.83	1,955.23
1,370.52	0.00	177,511.570	0.000	1.83	1.83	1,974.18
1,370.60	0.00	179,216.970	0.000	1.83	1.83	1,993.13

Subsection: Pond Infiltration Hydrograph
Label: BMP 2 (INF)

Peak Discharge	1.83 ft³/s
Time to Peak	14.150 hours
Hydrograph Volume	143,475.846 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.02	0.09	0.19	0.32
0.250	0.46	0.59	0.70	0.79	0.86
0.500	0.92	0.97	1.01	1.05	1.07
0.750	1.10	1.12	1.14	1.15	1.16
1.000	1.17	1.18	1.19	1.20	1.20
1.250	1.21	1.21	1.22	1.22	1.23
1.500	1.23	1.23	1.24	1.24	1.24
1.750	1.24	1.25	1.25	1.25	1.25
2.000	1.26	1.26	1.26	1.26	1.27
2.250	1.27	1.27	1.27	1.28	1.28
2.500	1.28	1.29	1.29	1.29	1.29
2.750	1.30	1.30	1.30	1.30	1.31
3.000	1.31	1.31	1.32	1.32	1.32
3.250	1.32	1.33	1.33	1.33	1.33
3.500	1.33	1.34	1.34	1.34	1.35
3.750	1.35	1.35	1.36	1.36	1.36
4.000	1.36	1.37	1.37	1.37	1.38
4.250	1.38	1.38	1.39	1.39	1.39
4.500	1.40	1.40	1.40	1.41	1.41
4.750	1.42	1.42	1.42	1.42	1.43
5.000	1.43	1.43	1.44	1.44	1.45
5.250	1.45	1.45	1.45	1.46	1.46
5.500	1.46	1.47	1.47	1.48	1.48
5.750	1.48	1.49	1.49	1.50	1.50
6.000	1.51	1.51	1.51	1.52	1.52
6.250	1.52	1.53	1.53	1.54	1.54
6.500	1.55	1.55	1.55	1.56	1.56
6.750	1.57	1.57	1.58	1.58	1.59
7.000	1.59	1.59	1.60	1.60	1.61
7.250	1.61	1.62	1.62	1.63	1.63
7.500	1.64	1.64	1.65	1.65	1.66
7.750	1.66	1.67	1.67	1.68	1.69
8.000	1.69	1.70	1.70	1.71	1.71
8.250	1.72	1.72	1.73	1.74	1.74
8.500	1.75	1.75	1.76	1.76	1.77
8.750	1.78	1.79	1.79	1.80	1.80
9.000	1.81	1.82	1.82	1.83	1.83
9.250	1.83	1.83	1.83	1.83	1.83
9.500	1.83	1.83	1.83	1.83	1.83

Subsection: Pond Infiltration Hydrograph
Label: BMP 2 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.750	1.83	1.83	1.83	1.83	1.83
10.000	1.83	1.83	1.83	1.83	1.83
10.250	1.83	1.83	1.83	1.83	1.83
10.500	1.83	1.83	1.83	1.83	1.83
10.750	1.83	1.83	1.83	1.83	1.83
11.000	1.83	1.83	1.83	1.83	1.83
11.250	1.83	1.83	1.83	1.83	1.83
11.500	1.83	1.83	1.83	1.83	1.83
11.750	1.83	1.83	1.83	1.83	1.83
12.000	1.83	1.83	1.83	1.83	1.83
12.250	1.83	1.83	1.83	1.83	1.83
12.500	1.83	1.83	1.83	1.83	1.83
12.750	1.83	1.83	1.83	1.83	1.83
13.000	1.83	1.83	1.83	1.83	1.83
13.250	1.83	1.83	1.83	1.83	1.83
13.500	1.83	1.83	1.83	1.83	1.83
13.750	1.83	1.83	1.83	1.83	1.83
14.000	1.83	1.83	1.83	1.83	1.83
14.250	1.83	1.83	1.83	1.83	1.83
14.500	1.83	1.83	1.83	1.83	1.83
14.750	1.83	1.83	1.83	1.83	1.83
15.000	1.83	1.83	1.83	1.83	1.83
15.250	1.83	1.83	1.83	1.83	1.83
15.500	1.83	1.83	1.83	1.83	1.83
15.750	1.83	1.83	1.83	1.83	1.83
16.000	1.83	1.83	1.83	1.83	1.83
16.250	1.83	1.83	1.83	1.83	1.83
16.500	1.83	1.83	1.83	1.83	1.83
16.750	1.83	1.83	1.83	1.83	1.83
17.000	1.83	1.83	1.83	1.83	1.83
17.250	1.83	1.83	1.83	1.83	1.83
17.500	1.83	1.83	1.83	1.83	1.83
17.750	1.83	1.83	1.83	1.83	1.83
18.000	1.83	1.83	1.83	1.83	1.83
18.250	1.83	1.83	1.83	1.83	1.83
18.500	1.83	1.83	1.83	1.83	1.83
18.750	1.83	1.83	1.83	1.83	1.83
19.000	1.83	1.83	1.83	1.83	1.83
19.250	1.83	1.83	1.83	1.83	1.83
19.500	1.83	1.83	1.83	1.83	1.83
19.750	1.83	1.83	1.83	1.83	1.83
20.000	1.83	1.83	1.83	1.83	1.83
20.250	1.83	1.83	1.83	1.83	1.83
20.500	1.83	1.83	1.83	1.83	1.83

Subsection: Pond Infiltration Hydrograph
Label: BMP 2 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.750	1.83	1.83	1.83	1.83	1.83
21.000	1.83	1.83	1.83	1.83	1.83
21.250	1.83	1.83	1.83	1.83	1.83
21.500	1.83	1.83	1.83	1.83	1.83
21.750	1.83	1.83	1.83	1.83	1.83
22.000	1.83	1.83	1.83	1.83	1.83
22.250	1.83	1.83	1.83	1.83	1.83
22.500	1.83	1.83	1.83	1.83	1.83
22.750	1.83	1.83	1.83	1.83	1.83
23.000	1.83	1.83	1.83	1.83	1.83
23.250	1.83	1.83	1.83	1.83	1.83
23.500	1.83	1.83	1.83	1.83	1.83
23.750	1.83	1.83	1.83	1.83	1.83
24.000	1.83	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Level Pool Pond Routing Summary
Label: BMP 2 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.83 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	35.17 ft³/s	Time to Peak (Flow, In)	16.300 hours
Infiltration (Peak)	1.83 ft³/s	Time to Peak (Infiltration)	9.150 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	1,368.48 ft
Volume (Peak)	125,249.476 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	265,830.000 ft³
Volume (Total Infiltration)	143,805.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	122,024.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out)
Label: BMP 2 (OUT)

Peak Discharge	0.00 ft³/s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Inflow Summary
Label: BMP 2 (IN)

Summary for Hydrograph Addition at 'BMP 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Outlet 1A
<Catchment to Outflow Node>	DMA 2

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	Outlet 1A	35,522.100	16.300	8.95
Flow (From)	DMA 2	230,758.110	16.283	27.63
Flow (In)	BMP 2	265,829.560	16.300	35.17

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BMP 3

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.02 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
1,365.10	0.00	0.000	0.000	0.00	0.00	0.00
1,365.18	0.00	951.260	0.000	1.02	1.02	11.59
1,365.27	0.00	1,902.510	0.000	1.02	1.02	22.16
1,365.35	0.00	2,853.770	0.000	1.02	1.02	32.73
1,365.43	0.00	3,805.030	0.000	1.02	1.02	43.30
1,365.52	0.00	4,756.290	0.000	1.02	1.02	53.87
1,365.60	0.00	5,707.540	0.000	1.02	1.02	64.44
1,365.68	0.00	6,658.800	0.000	1.02	1.02	75.01
1,365.77	0.00	7,610.060	0.000	1.02	1.02	85.58
1,365.85	0.00	8,561.310	0.000	1.02	1.02	96.15
1,365.93	0.00	10,663.320	0.000	1.02	1.02	119.50
1,366.02	0.00	12,756.330	0.000	1.02	1.02	142.76
1,366.10	0.00	14,840.410	0.000	1.02	1.02	165.91
1,366.18	0.00	16,915.480	0.000	1.02	1.02	188.97
1,366.27	0.00	18,981.030	0.000	1.02	1.02	211.92
1,366.35	0.00	21,037.380	0.000	1.02	1.02	234.77
1,366.43	0.00	23,084.680	0.000	1.02	1.02	257.52
1,366.52	0.00	25,123.010	0.000	1.02	1.02	280.16
1,366.60	0.00	27,151.990	0.000	1.02	1.02	302.71
1,366.68	0.00	29,171.520	0.000	1.02	1.02	325.15
1,366.77	0.00	31,181.130	0.000	1.02	1.02	347.48
1,366.85	0.00	33,181.230	0.000	1.02	1.02	369.70
1,366.93	0.00	35,171.400	0.000	1.02	1.02	391.81
1,367.02	0.00	37,151.390	0.000	1.02	1.02	413.81
1,367.10	0.00	39,120.800	0.000	1.02	1.02	435.70
1,367.18	0.00	41,079.390	0.000	1.02	1.02	457.46
1,367.27	0.00	43,026.740	0.000	1.02	1.02	479.09
1,367.35	0.00	44,962.620	0.000	1.02	1.02	500.60
1,367.43	0.00	46,886.290	0.000	1.02	1.02	521.98
1,367.52	0.00	48,798.900	0.000	1.02	1.02	543.23

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BMP 3

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
1,367.60	0.00	50,695.860	0.000	1.02	1.02	564.31
1,367.68	0.00	52,577.980	0.000	1.02	1.02	585.22
1,367.77	0.00	54,444.730	0.000	1.02	1.02	605.96
1,367.85	0.00	56,294.970	0.000	1.02	1.02	626.52
1,367.93	0.00	58,127.790	0.000	1.02	1.02	646.88
1,368.02	0.00	59,942.320	0.000	1.02	1.02	667.05
1,368.10	0.00	61,737.460	0.000	1.02	1.02	686.99
1,368.18	0.00	63,512.160	0.000	1.02	1.02	706.71
1,368.27	0.00	65,265.420	0.000	1.02	1.02	726.19
1,368.35	0.00	66,996.010	0.000	1.02	1.02	745.42
1,368.43	0.00	68,702.710	0.000	1.02	1.02	764.38
1,368.52	0.00	70,384.340	0.000	1.02	1.02	783.07
1,368.60	0.00	72,039.210	0.000	1.02	1.02	801.46
1,368.68	0.00	73,665.230	0.000	1.02	1.02	819.52
1,368.77	0.00	75,259.480	0.000	1.02	1.02	837.24
1,368.85	0.00	76,818.640	0.000	1.02	1.02	854.56
1,368.93	0.00	78,338.600	0.000	1.02	1.02	871.45
1,369.02	0.00	79,813.990	0.000	1.02	1.02	887.84
1,369.10	0.00	81,238.100	0.000	1.02	1.02	903.67
1,369.18	0.00	82,600.830	0.000	1.02	1.02	918.81
1,369.27	0.00	83,883.400	0.000	1.02	1.02	933.06
1,369.35	0.00	85,037.370	0.000	1.02	1.02	945.88
1,369.43	0.00	86,131.740	0.000	1.02	1.02	958.04
1,369.52	0.00	87,184.410	0.000	1.02	1.02	969.74
1,369.60	0.00	88,194.660	0.000	1.02	1.02	980.96
1,369.68	0.00	89,145.910	0.000	1.02	1.02	991.53
1,369.77	0.00	90,097.170	0.000	1.02	1.02	1,002.10
1,369.85	0.00	91,048.430	0.000	1.02	1.02	1,012.67
1,369.93	0.00	91,999.690	0.000	1.02	1.02	1,023.24
1,370.02	0.00	92,950.940	0.000	1.02	1.02	1,033.81
1,370.10	0.00	93,902.200	0.000	1.02	1.02	1,044.38
1,370.18	0.00	94,853.460	0.000	1.02	1.02	1,054.95
1,370.27	0.00	95,804.710	0.000	1.02	1.02	1,065.52
1,370.35	0.00	96,755.970	0.000	1.02	1.02	1,076.09
1,370.43	0.00	97,707.230	0.000	1.02	1.02	1,086.66
1,370.52	0.00	98,658.480	0.000	1.02	1.02	1,097.23
1,370.60	0.00	99,609.740	0.000	1.02	1.02	1,107.79

Subsection: Pond Infiltration Hydrograph
Label: BMP 3 (INF)

Peak Discharge	1.02 ft³/s
Time to Peak	13.250 hours
Hydrograph Volume	82,096.421 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.02	0.07	0.15	0.25
0.250	0.33	0.40	0.46	0.50	0.54
0.500	0.57	0.60	0.62	0.64	0.66
0.750	0.67	0.68	0.69	0.70	0.71
1.000	0.71	0.72	0.72	0.73	0.73
1.250	0.73	0.74	0.74	0.74	0.74
1.500	0.75	0.75	0.75	0.75	0.75
1.750	0.76	0.76	0.76	0.76	0.76
2.000	0.76	0.77	0.77	0.77	0.77
2.250	0.77	0.77	0.77	0.78	0.78
2.500	0.78	0.78	0.78	0.78	0.79
2.750	0.79	0.79	0.79	0.79	0.79
3.000	0.79	0.80	0.80	0.80	0.80
3.250	0.80	0.80	0.80	0.81	0.81
3.500	0.81	0.81	0.81	0.81	0.82
3.750	0.82	0.82	0.82	0.82	0.82
4.000	0.83	0.83	0.83	0.83	0.84
4.250	0.84	0.84	0.84	0.84	0.85
4.500	0.85	0.85	0.85	0.85	0.85
4.750	0.86	0.86	0.86	0.86	0.86
5.000	0.87	0.87	0.87	0.87	0.88
5.250	0.88	0.88	0.88	0.88	0.89
5.500	0.89	0.89	0.89	0.90	0.90
5.750	0.90	0.90	0.91	0.91	0.91
6.000	0.91	0.91	0.92	0.92	0.92
6.250	0.93	0.93	0.93	0.93	0.93
6.500	0.94	0.94	0.94	0.94	0.95
6.750	0.95	0.95	0.96	0.96	0.96
7.000	0.96	0.97	0.97	0.97	0.98
7.250	0.98	0.98	0.98	0.99	0.99
7.500	0.99	1.00	1.00	1.00	1.01
7.750	1.01	1.01	1.02	1.02	1.02
8.000	1.02	1.02	1.02	1.02	1.02
8.250	1.02	1.02	1.02	1.02	1.02
8.500	1.02	1.02	1.02	1.02	1.02
8.750	1.02	1.02	1.02	1.02	1.02
9.000	1.02	1.02	1.02	1.02	1.02
9.250	1.02	1.02	1.02	1.02	1.02
9.500	1.02	1.02	1.02	1.02	1.02

Subsection: Pond Infiltration Hydrograph
Label: BMP 3 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.750	1.02	1.02	1.02	1.02	1.02
10.000	1.02	1.02	1.02	1.02	1.02
10.250	1.02	1.02	1.02	1.02	1.02
10.500	1.02	1.02	1.02	1.02	1.02
10.750	1.02	1.02	1.02	1.02	1.02
11.000	1.02	1.02	1.02	1.02	1.02
11.250	1.02	1.02	1.02	1.02	1.02
11.500	1.02	1.02	1.02	1.02	1.02
11.750	1.02	1.02	1.02	1.02	1.02
12.000	1.02	1.02	1.02	1.02	1.02
12.250	1.02	1.02	1.02	1.02	1.02
12.500	1.02	1.02	1.02	1.02	1.02
12.750	1.02	1.02	1.02	1.02	1.02
13.000	1.02	1.02	1.02	1.02	1.02
13.250	1.02	1.02	1.02	1.02	1.02
13.500	1.02	1.02	1.02	1.02	1.02
13.750	1.02	1.02	1.02	1.02	1.02
14.000	1.02	1.02	1.02	1.02	1.02
14.250	1.02	1.02	1.02	1.02	1.02
14.500	1.02	1.02	1.02	1.02	1.02
14.750	1.02	1.02	1.02	1.02	1.02
15.000	1.02	1.02	1.02	1.02	1.02
15.250	1.02	1.02	1.02	1.02	1.02
15.500	1.02	1.02	1.02	1.02	1.02
15.750	1.02	1.02	1.02	1.02	1.02
16.000	1.02	1.02	1.02	1.02	1.02
16.250	1.02	1.02	1.02	1.02	1.02
16.500	1.02	1.02	1.02	1.02	1.02
16.750	1.02	1.02	1.02	1.02	1.02
17.000	1.02	1.02	1.02	1.02	1.02
17.250	1.02	1.02	1.02	1.02	1.02
17.500	1.02	1.02	1.02	1.02	1.02
17.750	1.02	1.02	1.02	1.02	1.02
18.000	1.02	1.02	1.02	1.02	1.02
18.250	1.02	1.02	1.02	1.02	1.02
18.500	1.02	1.02	1.02	1.02	1.02
18.750	1.02	1.02	1.02	1.02	1.02
19.000	1.02	1.02	1.02	1.02	1.02
19.250	1.02	1.02	1.02	1.02	1.02
19.500	1.02	1.02	1.02	1.02	1.02
19.750	1.02	1.02	1.02	1.02	1.02
20.000	1.02	1.02	1.02	1.02	1.02
20.250	1.02	1.02	1.02	1.02	1.02
20.500	1.02	1.02	1.02	1.02	1.02

Subsection: Pond Infiltration Hydrograph
Label: BMP 3 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.750	1.02	1.02	1.02	1.02	1.02
21.000	1.02	1.02	1.02	1.02	1.02
21.250	1.02	1.02	1.02	1.02	1.02
21.500	1.02	1.02	1.02	1.02	1.02
21.750	1.02	1.02	1.02	1.02	1.02
22.000	1.02	1.02	1.02	1.02	1.02
22.250	1.02	1.02	1.02	1.02	1.02
22.500	1.02	1.02	1.02	1.02	1.02
22.750	1.02	1.02	1.02	1.02	1.02
23.000	1.02	1.02	1.02	1.02	1.02
23.250	1.02	1.02	1.02	1.02	1.02
23.500	1.02	1.02	1.02	1.02	1.02
23.750	1.02	1.02	1.02	1.02	1.02
24.000	1.02	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Level Pool Pond Routing Summary
Label: BMP 3 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.02 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	31.12 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	1.02 ft³/s	Time to Peak (Infiltration)	7.900 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	1,370.23 ft
Volume (Peak)	95,359.288 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	176,001.000 ft³
Volume (Total Infiltration)	82,280.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	93,721.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out)
Label: BMP 3 (OUT)

Peak Discharge	0.00 ft³/s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Inflow Summary
Label: BMP 3 (IN)

Summary for Hydrograph Addition at 'BMP 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DMA 3
<Catchment to Outflow Node>	Outlet 4A

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	DMA 3	139,792.600	16.194	19.47
Flow (From)	Outlet 4A	36,482.400	16.250	13.96
Flow (In)	BMP 3	176,001.042	16.200	31.12

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BMP 4

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.57 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,356.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
1,356.25	0.00	0.000	0.000	0.00	0.00	0.00
1,356.75	0.00	3,168.950	0.000	0.57	0.57	35.78
1,357.25	0.00	6,337.890	0.000	0.57	0.57	70.99
1,357.75	0.00	9,506.840	0.000	0.57	0.57	106.20
1,358.25	0.00	12,675.780	0.000	0.57	0.57	141.41
1,358.75	0.00	19,506.320	0.000	0.57	0.57	217.31
1,359.25	0.00	26,157.120	0.000	0.57	0.57	291.20
1,359.75	0.00	32,611.810	0.000	0.57	0.57	362.92
1,360.25	0.00	38,823.540	0.000	0.57	0.57	431.94
1,360.75	0.00	44,693.700	0.000	0.57	0.57	497.17
1,361.25	2.00	50,088.650	0.000	0.57	2.57	559.11
1,361.75	5.34	54,615.970	0.000	0.57	5.91	612.76
1,362.25	10.08	57,949.090	0.000	0.57	10.65	654.52
1,362.75	15.94	61,118.040	0.000	0.57	16.51	695.60
1,363.00	19.13	62,702.510	0.000	0.57	19.70	716.40

Subsection: Pond Infiltration Hydrograph
Label: BMP 4 (INF)

Peak Discharge	0.57 ft³/s
Time to Peak	8.950 hours
Hydrograph Volume	47,885.113 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	0.02	0.04	0.07
0.250	0.10	0.12	0.15	0.18	0.20
0.500	0.23	0.25	0.27	0.30	0.32
0.750	0.34	0.36	0.38	0.40	0.42
1.000	0.44	0.45	0.47	0.49	0.50
1.250	0.52	0.54	0.55	0.56	0.57
1.500	0.57	0.57	0.57	0.57	0.57
1.750	0.57	0.57	0.57	0.57	0.57
2.000	0.57	0.57	0.57	0.57	0.57
2.250	0.57	0.57	0.57	0.57	0.57
2.500	0.57	0.57	0.57	0.57	0.57
2.750	0.57	0.57	0.57	0.57	0.57
3.000	0.57	0.57	0.57	0.57	0.57
3.250	0.57	0.57	0.57	0.57	0.57
3.500	0.57	0.57	0.57	0.57	0.57
3.750	0.57	0.57	0.57	0.57	0.57
4.000	0.57	0.57	0.57	0.57	0.57
4.250	0.57	0.57	0.57	0.57	0.57
4.500	0.57	0.57	0.57	0.57	0.57
4.750	0.57	0.57	0.57	0.57	0.57
5.000	0.57	0.57	0.57	0.57	0.57
5.250	0.57	0.57	0.57	0.57	0.57
5.500	0.57	0.57	0.57	0.57	0.57
5.750	0.57	0.57	0.57	0.57	0.57
6.000	0.57	0.57	0.57	0.57	0.57
6.250	0.57	0.57	0.57	0.57	0.57
6.500	0.57	0.57	0.57	0.57	0.57
6.750	0.57	0.57	0.57	0.57	0.57
7.000	0.57	0.57	0.57	0.57	0.57
7.250	0.57	0.57	0.57	0.57	0.57
7.500	0.57	0.57	0.57	0.57	0.57
7.750	0.57	0.57	0.57	0.57	0.57
8.000	0.57	0.57	0.57	0.57	0.57
8.250	0.57	0.57	0.57	0.57	0.57
8.500	0.57	0.57	0.57	0.57	0.57
8.750	0.57	0.57	0.57	0.57	0.57
9.000	0.57	0.57	0.57	0.57	0.57
9.250	0.57	0.57	0.57	0.57	0.57
9.500	0.57	0.57	0.57	0.57	0.57

Subsection: Pond Infiltration Hydrograph
Label: BMP 4 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.750	0.57	0.57	0.57	0.57	0.57
10.000	0.57	0.57	0.57	0.57	0.57
10.250	0.57	0.57	0.57	0.57	0.57
10.500	0.57	0.57	0.57	0.57	0.57
10.750	0.57	0.57	0.57	0.57	0.57
11.000	0.57	0.57	0.57	0.57	0.57
11.250	0.57	0.57	0.57	0.57	0.57
11.500	0.57	0.57	0.57	0.57	0.57
11.750	0.57	0.57	0.57	0.57	0.57
12.000	0.57	0.57	0.57	0.57	0.57
12.250	0.57	0.57	0.57	0.57	0.57
12.500	0.57	0.57	0.57	0.57	0.57
12.750	0.57	0.57	0.57	0.57	0.57
13.000	0.57	0.57	0.57	0.57	0.57
13.250	0.57	0.57	0.57	0.57	0.57
13.500	0.57	0.57	0.57	0.57	0.57
13.750	0.57	0.57	0.57	0.57	0.57
14.000	0.57	0.57	0.57	0.57	0.57
14.250	0.57	0.57	0.57	0.57	0.57
14.500	0.57	0.57	0.57	0.57	0.57
14.750	0.57	0.57	0.57	0.57	0.57
15.000	0.57	0.57	0.57	0.57	0.57
15.250	0.57	0.57	0.57	0.57	0.57
15.500	0.57	0.57	0.57	0.57	0.57
15.750	0.57	0.57	0.57	0.57	0.57
16.000	0.57	0.57	0.57	0.57	0.57
16.250	0.57	0.57	0.57	0.57	0.57
16.500	0.57	0.57	0.57	0.57	0.57
16.750	0.57	0.57	0.57	0.57	0.57
17.000	0.57	0.57	0.57	0.57	0.57
17.250	0.57	0.57	0.57	0.57	0.57
17.500	0.57	0.57	0.57	0.57	0.57
17.750	0.57	0.57	0.57	0.57	0.57
18.000	0.57	0.57	0.57	0.57	0.57
18.250	0.57	0.57	0.57	0.57	0.57
18.500	0.57	0.57	0.57	0.57	0.57
18.750	0.57	0.57	0.57	0.57	0.57
19.000	0.57	0.57	0.57	0.57	0.57
19.250	0.57	0.57	0.57	0.57	0.57
19.500	0.57	0.57	0.57	0.57	0.57
19.750	0.57	0.57	0.57	0.57	0.57
20.000	0.57	0.57	0.57	0.57	0.57
20.250	0.57	0.57	0.57	0.57	0.57
20.500	0.57	0.57	0.57	0.57	0.57

Subsection: Pond Infiltration Hydrograph
Label: BMP 4 (INF)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.750	0.57	0.57	0.57	0.57	0.57
21.000	0.57	0.57	0.57	0.57	0.57
21.250	0.57	0.57	0.57	0.57	0.57
21.500	0.57	0.57	0.57	0.57	0.57
21.750	0.57	0.57	0.57	0.57	0.57
22.000	0.57	0.57	0.57	0.57	0.57
22.250	0.57	0.57	0.57	0.57	0.57
22.500	0.57	0.57	0.57	0.57	0.57
22.750	0.57	0.57	0.57	0.57	0.57
23.000	0.57	0.57	0.57	0.57	0.57
23.250	0.57	0.57	0.57	0.57	0.57
23.500	0.57	0.57	0.57	0.57	0.57
23.750	0.57	0.57	0.57	0.57	0.57
24.000	0.57	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Level Pool Pond Routing Summary
Label: BMP 4 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.57 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,356.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	26.99 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	0.57 ft³/s	Time to Peak (Infiltration)	1.450 hours
Flow (Peak Outlet)	19.05 ft³/s	Time to Peak (Flow, Outlet)	16.250 hours

Elevation (Water Surface, Peak)	1,362.99 ft
Volume (Peak)	62,661.387 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	188,716.000 ft³
Volume (Total Infiltration)	47,988.000 ft³
Volume (Total Outlet Outflow)	94,880.000 ft³
Volume (Retained)	45,834.000 ft³
Volume (Unrouted)	-15.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out)
Label: BMP 4 (OUT)

Peak Discharge	19.05 ft³/s
Time to Peak	16.250 hours
Hydrograph Volume	94,880.122 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
13.600	0.00	0.09	0.24	0.38	0.51
13.850	0.64	0.76	0.87	0.98	1.09
14.100	1.19	1.29	1.38	1.47	1.55
14.350	1.63	1.71	1.79	1.87	1.94
14.600	2.04	2.17	2.30	2.42	2.54
14.850	2.65	2.76	2.86	2.96	3.05
15.100	3.15	3.26	3.37	3.47	3.58
15.350	3.69	3.82	4.00	4.23	4.50
15.600	4.77	5.03	5.28	5.73	6.23
15.850	6.74	7.27	7.86	8.51	9.39
16.100	11.12	13.87	17.06	19.05	18.68
16.350	16.67	14.23	12.12	10.35	9.10
16.600	8.09	7.24	6.51	5.90	5.39
16.850	5.13	4.90	4.69	4.49	4.30
17.100	4.12	3.95	3.80	3.65	3.52
17.350	3.39	3.27	3.16	3.06	2.96
17.600	2.87	2.78	2.70	2.62	2.55
17.850	2.48	2.41	2.35	2.30	2.24
18.100	2.18	2.11	2.04	1.98	1.95
18.350	1.91	1.88	1.85	1.82	1.78
18.600	1.75	1.72	1.69	1.66	1.63
18.850	1.61	1.58	1.55	1.53	1.50
19.100	1.48	1.45	1.43	1.41	1.38
19.350	1.36	1.34	1.32	1.30	1.28
19.600	1.26	1.24	1.22	1.20	1.18
19.850	1.17	1.15	1.13	1.12	1.10
20.100	1.08	1.07	1.06	1.04	1.03
20.350	1.01	1.00	0.99	0.97	0.96
20.600	0.95	0.94	0.92	0.91	0.90
20.850	0.89	0.88	0.87	0.86	0.85
21.100	0.84	0.83	0.82	0.81	0.80
21.350	0.79	0.78	0.77	0.76	0.75
21.600	0.75	0.74	0.73	0.72	0.71
21.850	0.71	0.70	0.69	0.68	0.68
22.100	0.67	0.66	0.66	0.65	0.64
22.350	0.64	0.63	0.62	0.62	0.61
22.600	0.60	0.60	0.59	0.59	0.58
22.850	0.58	0.57	0.57	0.56	0.56
23.100	0.55	0.55	0.54	0.53	0.53

Subsection: Pond Routed Hydrograph (total out)
Label: BMP 4 (OUT)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
23.350	0.52	0.52	0.52	0.51	0.51
23.600	0.50	0.50	0.49	0.49	0.48
23.850	0.48	0.47	0.47	0.47	(N/A)

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
0.050	1,356.25	0.00	0.00	0.00
0.100	1,356.27	0.00	0.00	0.00
0.150	1,356.29	0.00	0.00	0.00
0.200	1,356.31	0.00	0.00	0.00
0.250	1,356.33	0.00	0.00	0.00
0.300	1,356.36	0.00	0.00	0.00
0.350	1,356.38	0.00	0.00	0.00
0.400	1,356.41	0.00	0.00	0.00
0.450	1,356.43	0.00	0.00	0.00
0.500	1,356.45	0.00	0.00	0.00
0.550	1,356.47	0.00	0.00	0.00
0.600	1,356.49	0.00	0.00	0.00
0.650	1,356.51	0.00	0.00	0.00
0.700	1,356.53	0.00	0.00	0.00
0.750	1,356.55	0.00	0.00	0.00
0.800	1,356.57	0.00	0.00	0.00
0.850	1,356.58	0.00	0.00	0.00
0.900	1,356.60	0.00	0.00	0.00
0.950	1,356.62	0.00	0.00	0.00
1.000	1,356.63	0.00	0.00	0.00
1.050	1,356.65	0.00	0.00	0.00
1.100	1,356.66	0.00	0.00	0.00
1.150	1,356.68	0.00	0.00	0.00
1.200	1,356.69	0.00	0.00	0.00
1.250	1,356.71	0.00	0.00	0.00
1.300	1,356.72	0.00	0.00	0.00
1.350	1,356.73	0.00	0.00	0.00
1.400	1,356.75	0.00	0.00	0.00
1.450	1,356.76	0.00	0.00	0.00
1.500	1,356.77	0.00	0.00	0.00
1.550	1,356.78	0.00	0.00	0.00
1.600	1,356.80	0.00	0.00	0.00
1.650	1,356.81	0.00	0.00	0.00
1.700	1,356.82	0.00	0.00	0.00
1.750	1,356.83	0.00	0.00	0.00
1.800	1,356.85	0.00	0.00	0.00
1.850	1,356.86	0.00	0.00	0.00
1.900	1,356.87	0.00	0.00	0.00
1.950	1,356.88	0.00	0.00	0.00
2.000	1,356.90	0.00	0.00	0.00
2.050	1,356.91	0.00	0.00	0.00
2.100	1,356.92	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
2.150	1,356.94	0.00	0.00	0.00
2.200	1,356.95	0.00	0.00	0.00
2.250	1,356.96	0.00	0.00	0.00
2.300	1,356.98	0.00	0.00	0.00
2.350	1,356.99	0.00	0.00	0.00
2.400	1,357.00	0.00	0.00	0.00
2.450	1,357.02	0.00	0.00	0.00
2.500	1,357.03	0.00	0.00	0.00
2.550	1,357.04	0.00	0.00	0.00
2.600	1,357.06	0.00	0.00	0.00
2.650	1,357.07	0.00	0.00	0.00
2.700	1,357.09	0.00	0.00	0.00
2.750	1,357.10	0.00	0.00	0.00
2.800	1,357.11	0.00	0.00	0.00
2.850	1,357.13	0.00	0.00	0.00
2.900	1,357.14	0.00	0.00	0.00
2.950	1,357.16	0.00	0.00	0.00
3.000	1,357.17	0.00	0.00	0.00
3.050	1,357.18	0.00	0.00	0.00
3.100	1,357.20	0.00	0.00	0.00
3.150	1,357.21	0.00	0.00	0.00
3.200	1,357.23	0.00	0.00	0.00
3.250	1,357.24	0.00	0.00	0.00
3.300	1,357.26	0.00	0.00	0.00
3.350	1,357.27	0.00	0.00	0.00
3.400	1,357.29	0.00	0.00	0.00
3.450	1,357.30	0.00	0.00	0.00
3.500	1,357.32	0.00	0.00	0.00
3.550	1,357.33	0.00	0.00	0.00
3.600	1,357.35	0.00	0.00	0.00
3.650	1,357.36	0.00	0.00	0.00
3.700	1,357.38	0.00	0.00	0.00
3.750	1,357.39	0.00	0.00	0.00
3.800	1,357.41	0.00	0.00	0.00
3.850	1,357.42	0.00	0.00	0.00
3.900	1,357.44	0.00	0.00	0.00
3.950	1,357.45	0.00	0.00	0.00
4.000	1,357.47	0.00	0.00	0.00
4.050	1,357.48	0.00	0.00	0.00
4.100	1,357.50	0.00	0.00	0.00
4.150	1,357.52	0.00	0.00	0.00
4.200	1,357.53	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
4.250	1,357.55	0.00	0.00	0.00
4.300	1,357.56	0.00	0.00	0.00
4.350	1,357.58	0.00	0.00	0.00
4.400	1,357.60	0.00	0.00	0.00
4.450	1,357.61	0.00	0.00	0.00
4.500	1,357.63	0.00	0.00	0.00
4.550	1,357.65	0.00	0.00	0.00
4.600	1,357.66	0.00	0.00	0.00
4.650	1,357.68	0.00	0.00	0.00
4.700	1,357.70	0.00	0.00	0.00
4.750	1,357.71	0.00	0.00	0.00
4.800	1,357.73	0.00	0.00	0.00
4.850	1,357.75	0.00	0.00	0.00
4.900	1,357.76	0.00	0.00	0.00
4.950	1,357.78	0.00	0.00	0.00
5.000	1,357.80	0.00	0.00	0.00
5.050	1,357.81	0.00	0.00	0.00
5.100	1,357.83	0.00	0.00	0.00
5.150	1,357.85	0.00	0.00	0.00
5.200	1,357.87	0.00	0.00	0.00
5.250	1,357.88	0.00	0.00	0.00
5.300	1,357.90	0.00	0.00	0.00
5.350	1,357.92	0.00	0.00	0.00
5.400	1,357.94	0.00	0.00	0.00
5.450	1,357.95	0.00	0.00	0.00
5.500	1,357.97	0.00	0.00	0.00
5.550	1,357.99	0.00	0.00	0.00
5.600	1,358.01	0.00	0.00	0.00
5.650	1,358.03	0.00	0.00	0.00
5.700	1,358.05	0.00	0.00	0.00
5.750	1,358.06	0.00	0.00	0.00
5.800	1,358.08	0.00	0.00	0.00
5.850	1,358.10	0.00	0.00	0.00
5.900	1,358.12	0.00	0.00	0.00
5.950	1,358.14	0.00	0.00	0.00
6.000	1,358.16	0.00	0.00	0.00
6.050	1,358.18	0.00	0.00	0.00
6.100	1,358.20	0.00	0.00	0.00
6.150	1,358.22	0.00	0.00	0.00
6.200	1,358.23	0.00	0.00	0.00
6.250	1,358.25	0.00	0.00	0.00
6.300	1,358.26	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
6.350	1,358.27	0.00	0.00	0.00
6.400	1,358.28	0.00	0.00	0.00
6.450	1,358.29	0.00	0.00	0.00
6.500	1,358.30	0.00	0.00	0.00
6.550	1,358.31	0.00	0.00	0.00
6.600	1,358.32	0.00	0.00	0.00
6.650	1,358.33	0.00	0.00	0.00
6.700	1,358.33	0.00	0.00	0.00
6.750	1,358.34	0.00	0.00	0.00
6.800	1,358.35	0.00	0.00	0.00
6.850	1,358.36	0.00	0.00	0.00
6.900	1,358.37	0.00	0.00	0.00
6.950	1,358.38	0.00	0.00	0.00
7.000	1,358.39	0.00	0.00	0.00
7.050	1,358.40	0.00	0.00	0.00
7.100	1,358.41	0.00	0.00	0.00
7.150	1,358.42	0.00	0.00	0.00
7.200	1,358.43	0.00	0.00	0.00
7.250	1,358.44	0.00	0.00	0.00
7.300	1,358.45	0.00	0.00	0.00
7.350	1,358.46	0.00	0.00	0.00
7.400	1,358.47	0.00	0.00	0.00
7.450	1,358.48	0.00	0.00	0.00
7.500	1,358.49	0.00	0.00	0.00
7.550	1,358.50	0.00	0.00	0.00
7.600	1,358.51	0.00	0.00	0.00
7.650	1,358.52	0.00	0.00	0.00
7.700	1,358.53	0.00	0.00	0.00
7.750	1,358.54	0.00	0.00	0.00
7.800	1,358.56	0.00	0.00	0.00
7.850	1,358.57	0.00	0.00	0.00
7.900	1,358.58	0.00	0.00	0.00
7.950	1,358.59	0.00	0.00	0.00
8.000	1,358.60	0.00	0.00	0.00
8.050	1,358.61	0.00	0.00	0.00
8.100	1,358.62	0.00	0.00	0.00
8.150	1,358.63	0.00	0.00	0.00
8.200	1,358.64	0.00	0.00	0.00
8.250	1,358.65	0.00	0.00	0.00
8.300	1,358.66	0.00	0.00	0.00
8.350	1,358.68	0.00	0.00	0.00
8.400	1,358.69	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
8.450	1,358.70	0.00	0.00	0.00
8.500	1,358.71	0.00	0.00	0.00
8.550	1,358.72	0.00	0.00	0.00
8.600	1,358.73	0.00	0.00	0.00
8.650	1,358.75	0.00	0.00	0.00
8.700	1,358.76	0.00	0.00	0.00
8.750	1,358.77	0.00	0.00	0.00
8.800	1,358.78	0.00	0.00	0.00
8.850	1,358.79	0.00	0.00	0.00
8.900	1,358.81	0.00	0.00	0.00
8.950	1,358.82	0.00	0.00	0.00
9.000	1,358.83	0.00	0.00	0.00
9.050	1,358.84	0.00	0.00	0.00
9.100	1,358.86	0.00	0.00	0.00
9.150	1,358.87	0.00	0.00	0.00
9.200	1,358.88	0.00	0.00	0.00
9.250	1,358.90	0.00	0.00	0.00
9.300	1,358.91	0.00	0.00	0.00
9.350	1,358.92	0.00	0.00	0.00
9.400	1,358.94	0.00	0.00	0.00
9.450	1,358.95	0.00	0.00	0.00
9.500	1,358.96	0.00	0.00	0.00
9.550	1,358.98	0.00	0.00	0.00
9.600	1,358.99	0.00	0.00	0.00
9.650	1,359.00	0.00	0.00	0.00
9.700	1,359.02	0.00	0.00	0.00
9.750	1,359.03	0.00	0.00	0.00
9.800	1,359.04	0.00	0.00	0.00
9.850	1,359.06	0.00	0.00	0.00
9.900	1,359.07	0.00	0.00	0.00
9.950	1,359.09	0.00	0.00	0.00
10.000	1,359.10	0.00	0.00	0.00
10.050	1,359.11	0.00	0.00	0.00
10.100	1,359.13	0.00	0.00	0.00
10.150	1,359.14	0.00	0.00	0.00
10.200	1,359.16	0.00	0.00	0.00
10.250	1,359.17	0.00	0.00	0.00
10.300	1,359.19	0.00	0.00	0.00
10.350	1,359.20	0.00	0.00	0.00
10.400	1,359.22	0.00	0.00	0.00
10.450	1,359.23	0.00	0.00	0.00
10.500	1,359.25	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
10.550	1,359.27	0.00	0.00	0.00
10.600	1,359.28	0.00	0.00	0.00
10.650	1,359.30	0.00	0.00	0.00
10.700	1,359.31	0.00	0.00	0.00
10.750	1,359.33	0.00	0.00	0.00
10.800	1,359.35	0.00	0.00	0.00
10.850	1,359.36	0.00	0.00	0.00
10.900	1,359.38	0.00	0.00	0.00
10.950	1,359.40	0.00	0.00	0.00
11.000	1,359.41	0.00	0.00	0.00
11.050	1,359.43	0.00	0.00	0.00
11.100	1,359.45	0.00	0.00	0.00
11.150	1,359.47	0.00	0.00	0.00
11.200	1,359.48	0.00	0.00	0.00
11.250	1,359.50	0.00	0.00	0.00
11.300	1,359.52	0.00	0.00	0.00
11.350	1,359.54	0.00	0.00	0.00
11.400	1,359.56	0.00	0.00	0.00
11.450	1,359.57	0.00	0.00	0.00
11.500	1,359.59	0.00	0.00	0.00
11.550	1,359.61	0.00	0.00	0.00
11.600	1,359.63	0.00	0.00	0.00
11.650	1,359.65	0.00	0.00	0.00
11.700	1,359.67	0.00	0.00	0.00
11.750	1,359.69	0.00	0.00	0.00
11.800	1,359.71	0.00	0.00	0.00
11.850	1,359.73	0.00	0.00	0.00
11.900	1,359.75	0.00	0.00	0.00
11.950	1,359.77	0.00	0.00	0.00
12.000	1,359.79	0.00	0.00	0.00
12.050	1,359.81	0.00	0.00	0.00
12.100	1,359.83	0.00	0.00	0.00
12.150	1,359.86	0.00	0.00	0.00
12.200	1,359.88	0.00	0.00	0.00
12.250	1,359.91	0.00	0.00	0.00
12.300	1,359.94	0.00	0.00	0.00
12.350	1,359.96	0.00	0.00	0.00
12.400	1,359.99	0.00	0.00	0.00
12.450	1,360.02	0.00	0.00	0.00
12.500	1,360.04	0.00	0.00	0.00
12.550	1,360.07	0.00	0.00	0.00
12.600	1,360.10	0.00	0.00	0.00

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
12.650	1,360.13	0.00	0.00	0.00
12.700	1,360.15	0.00	0.00	0.00
12.750	1,360.18	0.00	0.00	0.00
12.800	1,360.21	0.00	0.00	0.00
12.850	1,360.24	0.00	0.00	0.00
12.900	1,360.27	0.00	0.00	0.00
12.950	1,360.30	0.00	0.00	0.00
13.000	1,360.33	0.00	0.00	0.00
13.050	1,360.36	0.00	0.00	0.00
13.100	1,360.39	0.00	0.00	0.00
13.150	1,360.43	0.00	0.00	0.00
13.200	1,360.46	0.00	0.00	0.00
13.250	1,360.49	0.00	0.00	0.00
13.300	1,360.53	0.00	0.00	0.00
13.350	1,360.56	0.00	0.00	0.00
13.400	1,360.59	0.00	0.00	0.00
13.450	1,360.63	0.00	0.00	0.00
13.500	1,360.66	0.00	0.00	0.00
13.550	1,360.70	0.00	0.00	0.00
13.600	1,360.73	0.00	0.00	0.00
13.650	1,360.77	0.09	0.01	0.08
13.700	1,360.81	0.24	0.02	0.21
13.750	1,360.84	0.38	0.04	0.34
13.800	1,360.88	0.51	0.05	0.46
13.850	1,360.91	0.64	0.06	0.58
13.900	1,360.94	0.76	0.07	0.69
13.950	1,360.97	0.87	0.08	0.79
14.000	1,361.00	0.98	0.09	0.89
14.050	1,361.02	1.09	0.10	0.98
14.100	1,361.05	1.19	0.11	1.07
14.150	1,361.07	1.29	0.12	1.16
14.200	1,361.09	1.38	0.13	1.25
14.250	1,361.12	1.47	0.14	1.33
14.300	1,361.14	1.55	0.15	1.40
14.350	1,361.16	1.63	0.16	1.48
14.400	1,361.18	1.71	0.16	1.55
14.450	1,361.20	1.79	0.17	1.62
14.500	1,361.22	1.87	0.18	1.69
14.550	1,361.24	1.94	0.19	1.76
14.600	1,361.26	2.04	0.22	1.82
14.650	1,361.28	2.17	0.30	1.88
14.700	1,361.30	2.30	0.38	1.92

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
14.750	1,361.31	2.42	0.45	1.97
14.800	1,361.33	2.54	0.52	2.02
14.850	1,361.35	2.65	0.59	2.06
14.900	1,361.36	2.76	0.65	2.11
14.950	1,361.38	2.86	0.72	2.15
15.000	1,361.39	2.96	0.77	2.19
15.050	1,361.41	3.05	0.83	2.22
15.100	1,361.42	3.15	0.89	2.26
15.150	1,361.44	3.26	0.95	2.30
15.200	1,361.45	3.37	1.02	2.35
15.250	1,361.47	3.47	1.09	2.39
15.300	1,361.49	3.58	1.15	2.43
15.350	1,361.50	3.69	1.22	2.47
15.400	1,361.52	3.82	1.29	2.52
15.450	1,361.55	4.00	1.40	2.60
15.500	1,361.58	4.23	1.54	2.69
15.550	1,361.62	4.50	1.70	2.79
15.600	1,361.66	4.77	1.87	2.90
15.650	1,361.70	5.03	2.03	3.00
15.700	1,361.74	5.28	2.18	3.10
15.750	1,361.79	5.73	2.53	3.20
15.800	1,361.84	6.23	2.93	3.30
15.850	1,361.90	6.74	3.34	3.39
15.900	1,361.95	7.27	3.77	3.50
15.950	1,362.02	7.86	4.25	3.61
16.000	1,362.08	8.51	4.77	3.73
16.050	1,362.18	9.39	5.49	3.91
16.100	1,362.34	11.12	6.96	4.17
16.150	1,362.57	13.87	9.36	4.51
16.200	1,362.84	17.06	12.16	4.89
16.250	1,362.99	19.05	13.96	5.10
16.300	1,362.96	18.68	13.62	5.06
16.350	1,362.81	16.67	11.82	4.85
16.400	1,362.60	14.23	9.67	4.56
16.450	1,362.42	12.12	7.83	4.29
16.500	1,362.27	10.35	6.28	4.07
16.550	1,362.15	9.10	5.25	3.85
16.600	1,362.04	8.09	4.44	3.65
16.650	1,361.95	7.24	3.75	3.49
16.700	1,361.87	6.51	3.16	3.35
16.750	1,361.81	5.90	2.67	3.23
16.800	1,361.76	5.39	2.25	3.14

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
16.850	1,361.72	5.13	2.09	3.04
16.900	1,361.68	4.90	1.95	2.95
16.950	1,361.65	4.69	1.82	2.87
17.000	1,361.62	4.49	1.70	2.79
17.050	1,361.59	4.30	1.58	2.71
17.100	1,361.57	4.12	1.47	2.64
17.150	1,361.54	3.95	1.37	2.58
17.200	1,361.52	3.80	1.28	2.52
17.250	1,361.50	3.65	1.19	2.46
17.300	1,361.48	3.52	1.11	2.41
17.350	1,361.46	3.39	1.04	2.36
17.400	1,361.44	3.27	0.96	2.31
17.450	1,361.42	3.16	0.90	2.26
17.500	1,361.41	3.06	0.83	2.22
17.550	1,361.39	2.96	0.77	2.18
17.600	1,361.38	2.87	0.72	2.15
17.650	1,361.37	2.78	0.66	2.11
17.700	1,361.35	2.70	0.62	2.08
17.750	1,361.34	2.62	0.57	2.05
17.800	1,361.33	2.55	0.52	2.02
17.850	1,361.32	2.48	0.48	2.00
17.900	1,361.31	2.41	0.44	1.97
17.950	1,361.30	2.35	0.41	1.95
18.000	1,361.29	2.30	0.37	1.92
18.050	1,361.29	2.24	0.34	1.90
18.100	1,361.28	2.18	0.30	1.88
18.150	1,361.27	2.11	0.26	1.85
18.200	1,361.26	2.04	0.22	1.82
18.250	1,361.25	1.98	0.19	1.79
18.300	1,361.24	1.95	0.19	1.76
18.350	1,361.23	1.91	0.18	1.73
18.400	1,361.22	1.88	0.18	1.70
18.450	1,361.21	1.85	0.18	1.67
18.500	1,361.20	1.82	0.17	1.64
18.550	1,361.20	1.78	0.17	1.61
18.600	1,361.19	1.75	0.17	1.58
18.650	1,361.18	1.72	0.17	1.56
18.700	1,361.17	1.69	0.16	1.53
18.750	1,361.17	1.66	0.16	1.50
18.800	1,361.16	1.63	0.16	1.48
18.850	1,361.15	1.61	0.15	1.45
18.900	1,361.15	1.58	0.15	1.43

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
18.950	1,361.14	1.55	0.15	1.40
19.000	1,361.13	1.53	0.15	1.38
19.050	1,361.13	1.50	0.14	1.36
19.100	1,361.12	1.48	0.14	1.34
19.150	1,361.11	1.45	0.14	1.31
19.200	1,361.11	1.43	0.14	1.29
19.250	1,361.10	1.41	0.14	1.27
19.300	1,361.10	1.38	0.13	1.25
19.350	1,361.09	1.36	0.13	1.23
19.400	1,361.09	1.34	0.13	1.21
19.450	1,361.08	1.32	0.13	1.19
19.500	1,361.08	1.30	0.12	1.17
19.550	1,361.07	1.28	0.12	1.16
19.600	1,361.07	1.26	0.12	1.14
19.650	1,361.06	1.24	0.12	1.12
19.700	1,361.06	1.22	0.12	1.10
19.750	1,361.05	1.20	0.12	1.09
19.800	1,361.05	1.18	0.11	1.07
19.850	1,361.04	1.17	0.11	1.05
19.900	1,361.04	1.15	0.11	1.04
19.950	1,361.03	1.13	0.11	1.02
20.000	1,361.03	1.12	0.11	1.01
20.050	1,361.03	1.10	0.11	0.99
20.100	1,361.02	1.08	0.10	0.98
20.150	1,361.02	1.07	0.10	0.97
20.200	1,361.01	1.06	0.10	0.95
20.250	1,361.01	1.04	0.10	0.94
20.300	1,361.01	1.03	0.10	0.93
20.350	1,361.00	1.01	0.10	0.92
20.400	1,361.00	1.00	0.10	0.90
20.450	1,361.00	0.99	0.09	0.89
20.500	1,360.99	0.97	0.09	0.88
20.550	1,360.99	0.96	0.09	0.87
20.600	1,360.99	0.95	0.09	0.86
20.650	1,360.98	0.94	0.09	0.85
20.700	1,360.98	0.92	0.09	0.84
20.750	1,360.98	0.91	0.09	0.83
20.800	1,360.98	0.90	0.09	0.82
20.850	1,360.97	0.89	0.09	0.81
20.900	1,360.97	0.88	0.08	0.80
20.950	1,360.97	0.87	0.08	0.79
21.000	1,360.96	0.86	0.08	0.78

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft³/s)	Outlet-4A - Post-Development 100 Year - Flow (ft³/s)	Outlet-4 - Post-Development 100 Year - Flow (ft³/s)
21.050	1,360.96	0.85	0.08	0.77
21.100	1,360.96	0.84	0.08	0.76
21.150	1,360.96	0.83	0.08	0.75
21.200	1,360.95	0.82	0.08	0.74
21.250	1,360.95	0.81	0.08	0.73
21.300	1,360.95	0.80	0.08	0.72
21.350	1,360.95	0.79	0.08	0.71
21.400	1,360.95	0.78	0.08	0.71
21.450	1,360.94	0.77	0.07	0.70
21.500	1,360.94	0.76	0.07	0.69
21.550	1,360.94	0.75	0.07	0.68
21.600	1,360.94	0.75	0.07	0.67
21.650	1,360.93	0.74	0.07	0.67
21.700	1,360.93	0.73	0.07	0.66
21.750	1,360.93	0.72	0.07	0.65
21.800	1,360.93	0.71	0.07	0.65
21.850	1,360.93	0.71	0.07	0.64
21.900	1,360.93	0.70	0.07	0.63
21.950	1,360.92	0.69	0.07	0.63
22.000	1,360.92	0.68	0.07	0.62
22.050	1,360.92	0.68	0.07	0.61
22.100	1,360.92	0.67	0.06	0.61
22.150	1,360.92	0.66	0.06	0.60
22.200	1,360.91	0.66	0.06	0.59
22.250	1,360.91	0.65	0.06	0.59
22.300	1,360.91	0.64	0.06	0.58
22.350	1,360.91	0.64	0.06	0.57
22.400	1,360.91	0.63	0.06	0.57
22.450	1,360.91	0.62	0.06	0.56
22.500	1,360.90	0.62	0.06	0.56
22.550	1,360.90	0.61	0.06	0.55
22.600	1,360.90	0.60	0.06	0.55
22.650	1,360.90	0.60	0.06	0.54
22.700	1,360.90	0.59	0.06	0.54
22.750	1,360.90	0.59	0.06	0.53
22.800	1,360.90	0.58	0.06	0.53
22.850	1,360.89	0.58	0.06	0.52
22.900	1,360.89	0.57	0.05	0.52
22.950	1,360.89	0.57	0.05	0.51
23.000	1,360.89	0.56	0.05	0.51
23.050	1,360.89	0.56	0.05	0.50
23.100	1,360.89	0.55	0.05	0.50

Subsection: Diversion Calculations
Label: BMP 4 (OUT)

Diversion Calculations

Time (hours)	BMP 4 - Post-Development 100 Year - Elevation (ft)	BMP 4 - Post-Development 100 Year - Flow (Outlet) (ft^3/s)	Outlet-4A - Post-Development 100 Year - Flow (ft^3/s)	Outlet-4 - Post-Development 100 Year - Flow (ft^3/s)
23.150	1,360.89	0.55	0.05	0.49
23.200	1,360.89	0.54	0.05	0.49
23.250	1,360.88	0.53	0.05	0.48
23.300	1,360.88	0.53	0.05	0.48
23.350	1,360.88	0.52	0.05	0.47
23.400	1,360.88	0.52	0.05	0.47
23.450	1,360.88	0.52	0.05	0.47
23.500	1,360.88	0.51	0.05	0.46
23.550	1,360.88	0.51	0.05	0.46
23.600	1,360.88	0.50	0.05	0.45
23.650	1,360.87	0.50	0.05	0.45
23.700	1,360.87	0.49	0.05	0.44
23.750	1,360.87	0.49	0.05	0.44
23.800	1,360.87	0.48	0.05	0.44
23.850	1,360.87	0.48	0.05	0.43
23.900	1,360.87	0.47	0.05	0.43
23.950	1,360.87	0.47	0.05	0.42

Subsection: Pond Inflow Summary
Label: BMP 4 (IN)

Summary for Hydrograph Addition at 'BMP 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DMA 4

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	DMA 4	189,074.600	16.194	27.72
Flow (In)	BMP 4	188,716.018	16.200	26.99

Subsection: Diverted Hydrograph
Label: Outlet-1

Peak Discharge	4.49 ft³/s
Time to Peak	16.300 hours
Hydrograph Volume	26,932.793 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
14.600	0.00	0.01	0.03	0.06	0.09
14.850	0.11	0.14	0.17	0.19	0.31
15.100	0.50	0.67	0.81	0.94	1.05
15.350	1.15	1.24	1.35	1.48	1.61
15.600	1.76	1.88	1.98	2.09	2.20
15.850	2.32	2.45	2.61	2.78	3.03
16.100	3.39	3.77	4.22	4.47	4.49
16.350	4.31	3.98	3.66	3.38	3.03
16.600	2.67	2.39	2.16	1.97	1.82
16.850	1.69	1.59	1.51	1.44	1.38
17.100	1.32	1.27	1.22	1.17	1.13
17.350	1.09	1.05	1.02	0.99	0.96
17.600	0.93	0.91	0.88	0.86	0.84
17.850	0.82	0.80	0.78	0.77	0.75
18.100	0.73	0.71	0.68	0.66	0.63
18.350	0.61	0.60	0.58	0.56	0.55
18.600	0.54	0.52	0.51	0.50	0.49
18.850	0.48	0.47	0.47	0.46	0.45
19.100	0.44	0.44	0.43	0.42	0.42
19.350	0.41	0.41	0.40	0.39	0.39
19.600	0.38	0.38	0.37	0.37	0.36
19.850	0.36	0.36	0.35	0.35	0.34
20.100	0.34	0.33	0.33	0.33	0.32
20.350	0.32	0.31	0.31	0.31	0.30
20.600	0.30	0.30	0.29	0.29	0.29
20.850	0.28	0.28	0.28	0.28	0.27
21.100	0.27	0.27	0.26	0.26	0.26
21.350	0.26	0.25	0.25	0.25	0.25
21.600	0.24	0.24	0.24	0.24	0.24
21.850	0.23	0.23	0.23	0.23	0.22
22.100	0.22	0.22	0.22	0.22	0.21
22.350	0.21	0.21	0.21	0.21	0.21
22.600	0.20	0.20	0.20	0.20	0.20
22.850	0.20	0.20	0.20	0.20	0.20
23.100	0.20	0.20	0.20	0.20	0.20
23.350	0.20	0.20	0.20	0.19	0.19
23.600	0.19	0.19	0.19	0.19	0.19
23.850	0.19	0.19	0.19	0.19	(N/A)

Subsection: Diverted Hydrograph
Label: Outlet-1A

Peak Discharge	8.95 ft³/s
Time to Peak	16.300 hours
Hydrograph Volume	35,520.546 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
14.600	0.00	0.01	0.03	0.05	0.07
14.850	0.09	0.11	0.13	0.16	0.30
15.100	0.53	0.73	0.91	1.06	1.20
15.350	1.32	1.43	1.57	1.72	1.90
15.600	2.16	2.38	2.57	2.76	2.96
15.850	3.18	3.42	3.70	4.01	4.47
16.100	5.32	6.67	8.27	8.91	8.95
16.350	8.49	7.42	6.28	5.28	4.46
16.600	3.82	3.31	2.89	2.55	2.27
16.850	2.04	1.85	1.76	1.68	1.60
17.100	1.53	1.46	1.40	1.35	1.30
17.350	1.25	1.21	1.16	1.13	1.09
17.600	1.06	1.03	1.00	0.97	0.94
17.850	0.92	0.90	0.88	0.85	0.83
18.100	0.81	0.78	0.75	0.72	0.69
18.350	0.67	0.64	0.62	0.61	0.59
18.600	0.57	0.56	0.54	0.53	0.52
18.850	0.51	0.50	0.49	0.48	0.47
19.100	0.46	0.45	0.44	0.44	0.43
19.350	0.42	0.41	0.41	0.40	0.39
19.600	0.39	0.38	0.37	0.37	0.36
19.850	0.36	0.35	0.35	0.34	0.33
20.100	0.33	0.32	0.32	0.31	0.31
20.350	0.31	0.30	0.30	0.29	0.29
20.600	0.29	0.28	0.28	0.27	0.27
20.850	0.26	0.26	0.26	0.25	0.25
21.100	0.25	0.24	0.24	0.24	0.23
21.350	0.23	0.23	0.22	0.22	0.22
21.600	0.22	0.21	0.21	0.21	0.20
21.850	0.20	0.20	0.20	0.19	0.19
22.100	0.19	0.19	0.18	0.18	0.18
22.350	0.18	0.18	0.17	0.17	0.17
22.600	0.17	0.17	0.17	0.16	0.16
22.850	0.16	0.16	0.16	0.16	0.16
23.100	0.16	0.16	0.16	0.16	0.16
23.350	0.16	0.16	0.16	0.16	0.16
23.600	0.16	0.16	0.16	0.16	0.15
23.850	0.15	0.15	0.15	0.15	(N/A)

Subsection: Diverted Hydrograph
Label: Outlet-4

Peak Discharge	5.10 ft³/s
Time to Peak	16.250 hours
Hydrograph Volume	58,394.569 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
13.600	0.00	0.08	0.21	0.34	0.46
13.850	0.58	0.69	0.79	0.89	0.98
14.100	1.07	1.16	1.25	1.33	1.40
14.350	1.48	1.55	1.62	1.69	1.76
14.600	1.82	1.88	1.92	1.97	2.02
14.850	2.06	2.11	2.15	2.19	2.22
15.100	2.26	2.30	2.35	2.39	2.43
15.350	2.47	2.52	2.60	2.69	2.79
15.600	2.90	3.00	3.10	3.20	3.30
15.850	3.39	3.50	3.61	3.73	3.91
16.100	4.17	4.51	4.89	5.10	5.06
16.350	4.85	4.56	4.29	4.07	3.85
16.600	3.65	3.49	3.35	3.23	3.14
16.850	3.04	2.95	2.87	2.79	2.71
17.100	2.64	2.58	2.52	2.46	2.41
17.350	2.36	2.31	2.26	2.22	2.18
17.600	2.15	2.11	2.08	2.05	2.02
17.850	2.00	1.97	1.95	1.92	1.90
18.100	1.88	1.85	1.82	1.79	1.76
18.350	1.73	1.70	1.67	1.64	1.61
18.600	1.58	1.56	1.53	1.50	1.48
18.850	1.45	1.43	1.40	1.38	1.36
19.100	1.34	1.31	1.29	1.27	1.25
19.350	1.23	1.21	1.19	1.17	1.16
19.600	1.14	1.12	1.10	1.09	1.07
19.850	1.05	1.04	1.02	1.01	0.99
20.100	0.98	0.97	0.95	0.94	0.93
20.350	0.92	0.90	0.89	0.88	0.87
20.600	0.86	0.85	0.84	0.83	0.82
20.850	0.81	0.80	0.79	0.78	0.77
21.100	0.76	0.75	0.74	0.73	0.72
21.350	0.71	0.71	0.70	0.69	0.68
21.600	0.67	0.67	0.66	0.65	0.65
21.850	0.64	0.63	0.63	0.62	0.61
22.100	0.61	0.60	0.59	0.59	0.58
22.350	0.57	0.57	0.56	0.56	0.55
22.600	0.55	0.54	0.54	0.53	0.53
22.850	0.52	0.52	0.51	0.51	0.50
23.100	0.50	0.49	0.49	0.48	0.48

Subsection: Diverted Hydrograph
Label: Outlet-4

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
23.350	0.47	0.47	0.47	0.46	0.46
23.600	0.45	0.45	0.44	0.44	0.44
23.850	0.43	0.43	0.42	0.42	(N/A)

Subsection: Diverted Hydrograph
Label: Outlet-4A

Peak Discharge	13.96 ft³/s
Time to Peak	16.250 hours
Hydrograph Volume	36,485.552 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
13.600	0.00	0.01	0.02	0.04	0.05
13.850	0.06	0.07	0.08	0.09	0.10
14.100	0.11	0.12	0.13	0.14	0.15
14.350	0.16	0.16	0.17	0.18	0.19
14.600	0.22	0.30	0.38	0.45	0.52
14.850	0.59	0.65	0.72	0.77	0.83
15.100	0.89	0.95	1.02	1.09	1.15
15.350	1.22	1.29	1.40	1.54	1.70
15.600	1.87	2.03	2.18	2.53	2.93
15.850	3.34	3.77	4.25	4.77	5.49
16.100	6.96	9.36	12.16	13.96	13.62
16.350	11.82	9.67	7.83	6.28	5.25
16.600	4.44	3.75	3.16	2.67	2.25
16.850	2.09	1.95	1.82	1.70	1.58
17.100	1.47	1.37	1.28	1.19	1.11
17.350	1.04	0.96	0.90	0.83	0.77
17.600	0.72	0.66	0.62	0.57	0.52
17.850	0.48	0.44	0.41	0.37	0.34
18.100	0.30	0.26	0.22	0.19	0.19
18.350	0.18	0.18	0.18	0.17	0.17
18.600	0.17	0.17	0.16	0.16	0.16
18.850	0.15	0.15	0.15	0.15	0.14
19.100	0.14	0.14	0.14	0.14	0.13
19.350	0.13	0.13	0.13	0.12	0.12
19.600	0.12	0.12	0.12	0.12	0.11
19.850	0.11	0.11	0.11	0.11	0.11
20.100	0.10	0.10	0.10	0.10	0.10
20.350	0.10	0.10	0.09	0.09	0.09
20.600	0.09	0.09	0.09	0.09	0.09
20.850	0.09	0.08	0.08	0.08	0.08
21.100	0.08	0.08	0.08	0.08	0.08
21.350	0.08	0.08	0.07	0.07	0.07
21.600	0.07	0.07	0.07	0.07	0.07
21.850	0.07	0.07	0.07	0.07	0.07
22.100	0.06	0.06	0.06	0.06	0.06
22.350	0.06	0.06	0.06	0.06	0.06
22.600	0.06	0.06	0.06	0.06	0.06
22.850	0.06	0.05	0.05	0.05	0.05
23.100	0.05	0.05	0.05	0.05	0.05

Subsection: Diverted Hydrograph
Label: Outlet-4A

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
23.350	0.05	0.05	0.05	0.05	0.05
23.600	0.05	0.05	0.05	0.05	0.05
23.850	0.05	0.05	0.05	0.04	(N/A)

Index

B

BMP 1 (Elevation vs. Volume Curve)...43, 44

BMP 1 (Elevation-Volume-Flow Table (Pond))...74

BMP 1 (IN) (Level Pool Pond Routing Summary)...78

BMP 1 (IN) (Multiple Outfall Rating Curves)...51

BMP 1 (IN) (Pond Inflow Summary)...92

BMP 1 (IN) (Time vs. Elevation)...19, 20, 21

BMP 1 (INF) (Pond Infiltration Hydrograph)...75, 76, 77

BMP 1 (OUT) (Diversion Calculations)...80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91

BMP 1 (OUT) (Pond Routed Hydrograph (total out))...79

BMP 1 (Time vs. Volume)...31, 32, 33

BMP 1 OUTLET 1A (Composite Rating Curve)...56

BMP 1 OUTLET 1A (Individual Outlet Curves)...54, 55

BMP 1 OUTLET 1A (Outlet Input Data)...52, 53

BMP 2 (Elevation vs. Volume Curve)...45, 46

BMP 2 (Elevation-Volume-Flow Table (Pond))...93, 94

BMP 2 (IN) (Level Pool Pond Routing Summary)...98

BMP 2 (IN) (Pond Inflow Summary)...100

BMP 2 (IN) (Time vs. Elevation)...22, 23, 24

BMP 2 (INF) (Pond Infiltration Hydrograph)...95, 96, 97

BMP 2 (OUT) (Pond Routed Hydrograph (total out))...99

BMP 2 (Time vs. Volume)...34, 35, 36

BMP 3 (Elevation vs. Volume Curve)...47, 48

BMP 3 (Elevation-Volume-Flow Table (Pond))...101, 102

BMP 3 (IN) (Level Pool Pond Routing Summary)...106

BMP 3 (IN) (Pond Inflow Summary)...108

BMP 3 (IN) (Time vs. Elevation)...25, 26, 27

BMP 3 (INF) (Pond Infiltration Hydrograph)...103, 104, 105

BMP 3 (OUT) (Pond Routed Hydrograph (total out))...107

BMP 3 (Time vs. Volume)...37, 38, 39

BMP 4 (Elevation vs. Volume Curve)...49, 50

BMP 4 (Elevation-Volume-Flow Table (Pond))...109

BMP 4 (IN) (Level Pool Pond Routing Summary)...113

BMP 4 (IN) (Multiple Outfall Rating Curves)...57

BMP 4 (IN) (Pond Inflow Summary)...128

BMP 4 (IN) (Time vs. Elevation)...28, 29, 30

BMP 4 (INF) (Pond Infiltration Hydrograph)...110, 111, 112

BMP 4 (OUT) (Diversion Calculations)...116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127

BMP 4 (OUT) (Pond Routed Hydrograph (total out))...114, 115

BMP 4 (Time vs. Volume)...40, 41, 42

BMP 4 OUTLET 4A (Composite Rating Curve)...62

BMP 4 OUTLET 4A (Individual Outlet Curves)...60, 61

BMP 4 OUTLET 4A (Outlet Input Data)...58, 59

C

Composite Outlet Structure - 1 (Composite Rating Curve)...69

Composite Outlet Structure - 1 (Individual Outlet Curves)...65, 66, 67, 68

Composite Outlet Structure - 1 (Outlet Input Data)...63, 64

Composite Outlet Structure - 4 (Composite Rating Curve)...73

Composite Outlet Structure - 4 (Individual Outlet Curves)...72

Composite Outlet Structure - 4 (Outlet Input Data)...70, 71

D

DMA 1 (Read Hydrograph)...5

DMA 2 (Read Hydrograph)...6

DMA 3 (Read Hydrograph)...7

DMA 4 (Read Hydrograph)...8

M

Master Network Summary...3, 4

O

O-1 (Addition Summary)...15

O-1A (Addition Summary)...16

O-4 (Addition Summary)...17

O-4A (Addition Summary)...18

Outlet 1A (Read Hydrograph)...9, 10, 11

Outlet 4A (Read Hydrograph)...12, 13, 14

Outlet-1 (Diverted Hydrograph)...129

Outlet-1A (Diverted Hydrograph)...130

Outlet-4 (Diverted Hydrograph)...131, 132

Outlet-4A (Diverted Hydrograph)...133, 134

U

User Notifications...2

APPENDIX H

STORM DRAIN HYDRAULIC CALCULATIONS

APPENDIX I

FLOWMASTER CALCULATIONS

Curb Outlet

Project Description	
Friction Method	Manning Formula
Solve For	Discharge

Input Data	
Roughness Coefficient	0.015
Channel Slope	2.000 %
Normal Depth	5.0 in
Bottom Width	1.16 ft

Results	
Discharge	2.63 cfs
Flow Area	0.5 ft²
Wetted Perimeter	2.0 ft
Hydraulic Radius	2.9 in
Top Width	1.16 ft
Critical Depth	6.5 in
Critical Slope	0.970 %
Velocity	5.45 ft/s
Velocity Head	0.46 ft
Specific Energy	0.88 ft
Froude Number	1.488
Flow Type	Supercritical

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	5.0 in
Critical Depth	6.5 in
Channel Slope	2.000 %
Critical Slope	0.970 %

BMP 1 Outlet Pipe

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.012
Channel Slope	0.830 %
Diameter	24.0 in
Discharge	13.44 cfs

Results	
Normal Depth	13.4 in
Flow Area	1.8 ft²
Wetted Perimeter	3.4 ft
Hydraulic Radius	6.4 in
Top Width	1.99 ft
Critical Depth	15.8 in
Percent Full	55.9 %
Critical Slope	0.504 %
Velocity	7.43 ft/s
Velocity Head	0.86 ft
Specific Energy	1.98 ft
Froude Number	1.374
Maximum Discharge	24.02 cfs
Discharge Full	22.33 cfs
Slope Full	0.301 %
Flow Type	Supercritical

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	55.9 %
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	13.4 in
Critical Depth	15.8 in
Channel Slope	0.830 %
Critical Slope	0.504 %

Worksheet for BMP 4 Outlet Pipe

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.012
Channel Slope	1.000 %
Diameter	24.0 in
Discharge	19.05 cfs

Results	
Normal Depth	15.9 in
Flow Area	2.2 ft²
Wetted Perimeter	3.8 ft
Hydraulic Radius	7.0 in
Top Width	1.89 ft
Critical Depth	18.8 in
Percent Full	66.3 %
Critical Slope	0.657 %
Velocity	8.62 ft/s
Velocity Head	1.16 ft
Specific Energy	2.48 ft
Froude Number	1.406
Maximum Discharge	26.36 cfs
Discharge Full	24.51 cfs
Slope Full	0.604 %
Flow Type	Supercritical

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	66.3 %
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	15.9 in
Critical Depth	18.8 in
Channel Slope	1.000 %
Critical Slope	0.657 %

BMP 1 Outlet Structure

Project Description	
Solve For	Discharge

Input Data	
Headwater Elevation	1.92 ft
Centroid Elevation	0.50 ft
Tailwater Elevation	0.00 ft
Discharge Coefficient	0.600
Diameter	12.0 in

Results	
Discharge	4.50 cfs
Headwater Height Above Centroid	1.42 ft
Tailwater Height Above Centroid	-0.50 ft
Flow Area	0.8 ft^2
Velocity	5.74 ft/s

BMP 4 Outlet Structure

Project Description	
Solve For	Discharge

Input Data	
Headwater Elevation	1.99 ft
Centroid Elevation	0.20 ft
Tailwater Elevation	0.00 ft
Discharge Coefficient	0.600
Opening Width	0.80 ft
Opening Height	1.0 ft

Results	
Discharge	5.15 cfs
Headwater Height Above Centroid	1.79 ft
Tailwater Height Above Centroid	-0.20 ft
Flow Area	0.8 ft²
Velocity	6.44 ft/s

Table of Contents

BMP 1 (IN)

Level Pool Pond Routing Summary 1

BMP 2 (IN)

Level Pool Pond Routing Summary 2

BMP 3 (IN)

Level Pool Pond Routing Summary 3

BMP 4 (IN)

Level Pool Pond Routing Summary 4

Subsection: Level Pool Pond Routing Summary
Label: BMP 1 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.52 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,364.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	20.88 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	0.52 ft³/s	Time to Peak (Infiltration)	1.750 hours
Flow (Peak Outlet)	13.44 ft³/s	Time to Peak (Flow, Outlet)	16.300 hours

Elevation (Water Surface, Peak)	1,370.17 ft
Volume (Peak)	53,687.581 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	149,707.000 ft³
Volume (Total Infiltration)	43,569.000 ft³
Volume (Total Outlet Outflow)	62,453.000 ft³
Volume (Retained)	43,664.000 ft³
Volume (Unrouted)	-21.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: BMP 2 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.83 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	35.17 ft³/s	Time to Peak (Flow, In)	16.300 hours
Infiltration (Peak)	1.83 ft³/s	Time to Peak (Infiltration)	9.150 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	1,368.48 ft
Volume (Peak)	125,249.476 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	265,830.000 ft³
Volume (Total Infiltration)	143,805.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	122,024.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: BMP 3 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.02 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	31.12 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	1.02 ft³/s	Time to Peak (Infiltration)	7.900 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	1,370.23 ft
Volume (Peak)	95,359.288 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	176,001.000 ft³
Volume (Total Infiltration)	82,280.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	93,721.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: BMP 4 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.57 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,356.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	26.99 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	0.57 ft³/s	Time to Peak (Infiltration)	1.450 hours
Flow (Peak Outlet)	19.05 ft³/s	Time to Peak (Flow, Outlet)	16.250 hours

Elevation (Water Surface, Peak)	1,362.99 ft
Volume (Peak)	62,661.387 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	188,716.000 ft³
Volume (Total Infiltration)	47,988.000 ft³
Volume (Total Outlet Outflow)	94,880.000 ft³
Volume (Retained)	45,834.000 ft³
Volume (Unrouted)	-15.000 ft³
Error (Mass Balance)	0.0 %

APPENDIX J

GEOTECHNICAL REPORT

GEOTECHNICAL PROFESSIONALS INC.

October 2, 2019

Oakmont Rialto Olive Grove, LLC
c/o Crow Holdings Industrial
527 W. 7th Street, Suite 308
Los Angeles, California 90014

Attention: Mr. Jared Riemer

Subject: Planning-Level Preliminary Geotechnical Investigation
Proposed Olive Grove Business Park
North Side of Baseline Road, ¼ mile East of N. Ayala Drive
Rialto, California
GPI Project No. 2963.I

Dear Mr. Riemer:

In accordance with your request, this report presents the results of our planning-level preliminary geotechnical investigation for the proposed business park at the subject site. The purpose of our investigation was to characterize the geotechnical conditions at the site with respect to the feasibility of the development and to provide preliminary recommendations for earthwork and design of foundations, floor slabs and pavements.

INTRODUCTION

The project site is a 31.6 acre parcel located on the north side of Baseline Road, ¼ mile east of North Ayala Drive, in Rialto, California. The location of the site is shown on the Site Location Map, Figure 1. The approximate limits of proposed development are shown on the Site Plan, Figure 2.

The proposed project will consist of two industrial warehouse buildings approximately 416,106 and 235,896 square feet in size. The buildings are anticipated to be tall one-story buildings of concrete tilt-up construction and will likely include some office areas with mezzanines. Column loads are not available at this time; however, we anticipate typical maximum column loads of 80 to 100 kips and wall loads of 6 to 8 kips per foot (dead plus live). Floor slabs will be supported on-grade with dock-high construction.

The finish floor elevation of the west building will slope downward from north to south at about 0.5% from approximate elevation 1383 feet to 1379 feet. The finish floor elevation of the east building will slope downward from north to south at the same gradient from approximate elevation 1378 feet to 1375 feet. We anticipate site grading to include cuts and fills on the order of approximately 10 feet to develop the two building pads.

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Site improvements will also include asphalt and concrete pavements for automobiles, truck and trailer traffic, and fire access lanes, site walls and underground utilities. Stormwater infiltration basins are currently being evaluated and may consist of small open basins or subterranean chamber basins below paved areas.

SCOPE OF WORK

Our scope of work included review of published information, subsurface exploration, field infiltration testing, laboratory testing, engineering evaluations, and preparation of this planning-level preliminary geotechnical letter report.

Our field exploration program for this study consisted of four hollow stem auger borings, ten exploratory test pits, and two infiltration test wells. The borings were performed to depths of approximately 21½ to 36½ feet below existing grade. The test pits were performed to depths of approximately 5 feet below existing grade, and the percolation wells were installed at depths of approximately 16 and 17 feet below existing grades. A description of field procedures and logs of the borings and test pits are presented in the attached Appendices A and B. The procedures and results of the infiltration tests are discussed in this report. The approximate locations of the subsurface explorations and infiltration test wells are shown on the Site Plan, Figure 2.

Laboratory soil tests were performed on selected representative samples as an aid in soil classification and to evaluate the engineering properties of the soils. The geotechnical laboratory testing program included determinations of moisture content and dry density, fines content, shear strength, corrosivity and maximum density. Corrosivity screening tests were performed by HDR under subcontract to GPI. The results of the laboratory testing by GPI and HDR are presented in Appendix C.

Engineering evaluations were performed to provide planning-level recommendations and an assessment of seismic hazards. The results of our evaluations are presented in the remainder of the report.

SURFACE CONDITIONS

The project site is currently unoccupied and covered with short grass, bushes, and weeds. Scatter cobbles and boulders are visible at the ground surface. Historic aerial photographs indicate that the site has been previously used for agriculture prior to 1966. From 1966 to current, the site has been vacant. The site is bounded on the north by Jerry Eaves Park, to the east by a stormwater detention basin, to the west by a series of commercial buildings along North Fitzgerald Avenue, and to the south by Base Line Road.

The ground surface gently slopes downward from about elevation 1390 feet at the northwest corner of the site to elevation 1360 in the southeast corner of the site.

SUBSURFACE CONDITIONS

Our field investigation disclosed a subsurface profile consisting of undocumented fills overlying natural soils. Detailed descriptions of the subsurface conditions encountered in our boring and test pit explorations are provided in Appendix A and B. A brief summary of the subsurface conditions is provided below.

Undocumented fills were encountered to approximately 3½ feet below existing grade in one of the ten test pit explorations (Test Pit TP-7). Approximately 2 to 3 feet of fill was noted in each of the four borings drilled at the site; however, it was difficult to distinguish between the fill and underlying natural soils as they were very similar in material makeup. As such, we conclude that localized shallow fills should be anticipated. The fill materials encountered consisted of silty sands with varying amounts of gravels and few cobbles. The fills were generally medium dense and dry.

The natural soils consist predominately of sand and silty sand with varying amounts of gravel and cobbles, and gravels with varying amounts of sand and silt. Scattered boulders, up to 22 inches in diameter, were also encountered. In general, the native soils were medium dense to very dense and dry to slightly moist. Drilling was performed with small diameter equipment, making it difficult to identify potential cobbles and boulders. The natural soils have moderate to high strength and low to medium compressibility characteristics.

Groundwater was not encountered in our current explorations drilled to a maximum depth of 36 feet below ground surface. Published data by the California Department of Water Resources indicates groundwater is deeper than 400 feet below the ground surface.

CONCLUSIONS AND PRELIMINARY RECOMMENDATIONS

General

Based on the results of our investigation and experience with nearby, similar projects, it is our opinion that from a geotechnical engineering viewpoint, it is feasible to develop the site as proposed. We anticipate the proposed buildings and any appurtenant structures may be supported on shallow foundations underlain by engineered fill. The most significant geotechnical issues that will affect the design and construction of the proposed structures are summarized below:

- Undocumented fills were encountered to depths of up to 3½ feet below existing grade at the site. The fill soils are not considered to be suitable for direct support of foundations or floor slabs. If not removed in the planned excavations, we recommend removal and recompaction of the fill materials to provide uniform support of the planned improvements.

- The fill and native materials encountered had significant amounts of gravel, varying amounts of cobbles, and occasional boulders. The cobbles were generally up to 5 inches in diameter and occasionally up to 12 inches in diameter. The boulders encountered were up to 22 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

- To provide uniform support for the planned buildings, the soils should be removed to a depth of at least 4 feet below the planned finished pad grade, 2 feet below the base of foundations, or 3 feet below existing grade, whichever is greater. Foundations for minor structures, such as site walls, should be underlain by at least 1 foot of properly compacted fill. Deeper removals may be required were unsuitable fill soils extend below the recommended overexcavation depth.

- Deeper overexcavation in the area of deep cuts may be desirable during rough grading in utility corridors to aid in excavating utility trenches with conventional equipment.

- The undisturbed native materials may be suitable for direct support of building foundations but may be undesirable for future excavations of footings or utility trenches. The recommendation for removals to extend to a depth of at least 4 feet below the finished pad grade for building pads materials is provided so that future excavations for utilities and footings can be made with conventional equipment.

- Because of the likely presence of cobbles and boulders, oversize material (greater than 8-inches) should be anticipated to be generated from site cuts. Special handling and/or crushing of oversize material will be required in order to use the material as compacted fill. On-site placement of the boulders in compacted fills will depend on the final site grades.

- Fills placed within 3 feet of the finished pad grade should not contain particles greater than 3 inches in diameter.

- The in-place fill and native soils are generally dry to slightly moist with moisture contents near or below optimum. These soils will require processing and moisture conditioning prior to replacement as properly compacted fill.

Our preliminary recommendations related to the geotechnical aspects of the development of the site are presented in the subsequent sections of this report.

Seismic Considerations

There are no known faults crossing or projecting through the site. The development does not lie within an Alquist-Priolo Earthquake Fault Zone as designated by the California Geologic Survey (CGS), which would require further studies of the fault. Therefore, ground rupture due to faulting is considered unlikely at this site. The closest fault to the site is the San Jacinto fault, which is mapped about 1.6 miles to the northeast.

The buildings are anticipated to be designed in accordance with the 2019 California Building Code (CBC) which will be in effect as of January 1, 2020. The available data indicates that Site Class D, (Stiff Soil) and possibly Site Class C (Very Dense Soil and Soft Rock), would likely be appropriate for use in design of structures. Site specific field testing, which can be performed during final design, should be performed to determine the Site Class.

Typical of Southern California, there is a potential that the site development will be subjected to strong ground motion during its life. The peak ground acceleration used in design for CBC 2019 will be based on the final determination of the Site Class during final design. For a magnitude 8.1 earthquake, we computed that the site could be subjected to a site modified peak ground acceleration (PGA_M) of 0.939g for Site Class D (determined with field testing) and 1.025g for Site Class C. These accelerations were computed using the mapped Maximum Considered Geometric Mean peak ground acceleration from ASCE 7-16 (ASCE, 2016) and the appropriate site coefficient (F_{PGA}). The predominant earthquake magnitude (8.1) was determined using a 2 percent probability of exceedance in a 50-year period, or an average return period of 2,475 years. The structural design will need to incorporate measures to mitigate the effects of strong ground motion.

The site is not located in a Seismic Hazards Zone for liquefaction nor earthquake induced landslide zones. Due to the dense nature of the natural soils, the potential for seismic induced dry-sand settlement is not expected to impact site development.

Foundations

The proposed buildings and minor structures, such as free standing walls and trash enclosures, may be supported on spread footings underlain by engineered fill. We anticipate an allowable net bearing capacity for spread footings on the order of 4,000 pounds per square foot (psf) for building foundations and 2,500 psf for minor structure foundations underlain properly compacted fill. Settlement of the foundations underlain by engineered fill are anticipated to be within tolerable limits.

For preliminary design, a coefficient of friction of 0.40 may be used for frictional resistance and an allowable lateral bearing pressure equal to an equivalent fluid weighing of 300 pounds per cubic foot may be used for the compacted fill soils; these values may be used in combination without reduction.

Earthwork

General

The earthwork anticipated at the project site will consist of clearing and grubbing, excavation of undocumented fills and loose natural or disturbed soils, cuts and fills to grade, subgrade preparation including moisture conditioning, and placement and compaction of fill.

Overexcavation and Placement of Fill

To provide uniform support for the planned buildings, the soils should be removed to a depth of at least 4 feet below the planned finished pad grade, 2 feet below the base of foundations, or 3 feet below existing grade, whichever is greater. Foundations for minor structures, such as site walls, should be underlain by at least 1 foot of properly compacted fill. Deeper removals may be required were unsuitable fill soils extend below the recommended overexcavation depth. If not removed in the planned excavations, we recommend removal and recompaction of the fill materials to provide uniform support of the planned improvements.

Deeper overexcavation in the area of deep cuts may be desirable during rough grading utility corridors to aid in excavating utility trenches with conventional equipment.

The fill and native materials encountered had significant amounts of gravel, varying amounts of cobbles and occasional boulders. The cobbles were generally up to 5 inches in diameter and occasionally up to 12 inches in diameter. The boulders encountered were up to 22 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

Because of the likely presence of cobbles and boulders, oversize material (greater than 8-inches) should be anticipated to be generated from site cuts. Special handling and/or crushing of oversize material will be required in order to use the material as compacted fill. On-site placement of the boulders in compacted fills will depend on the final site grades.

The undisturbed native materials may be suitable for direct support of building foundations but may be undesirable for future excavations of footings or utility trenches. The recommendation for removals to extend to a depth of at least 4 feet below the finished pad grade for building pads materials is provided so that future excavations for utilities and footings can be made with conventional equipment.

Fills placed within 3 feet of the finished pad grade should not contain particles greater than 3 inches in diameter.

After the recommended removals are complete, the exposed subgrade soils should be scarified to a depth of 8 inches, moisture-conditioned, and compacted to at least 90 percent

of the maximum dry density in accordance with ASTM D 1557. If the subgrade is evaluated by our field representative to consist of relatively undisturbed and dense native materials containing gravel and cobbles, scarification of the subgrade may be waived.

Fill soils should be placed in horizontal lifts, moisture-conditioned, and mechanically compacted to at least 90 percent of the maximum dry density in accordance with ASTM D1557.

The moisture content of the existing near surface soils was dry to slightly moist and generally below optimum. Moisture conditioning will be required during grading and consideration should be given to prewatering the site prior to starting earthwork. The moisture content of the fill materials should be between optimum and 2 percent over optimum moisture conditions at the time of compaction and the soils should not be allowed to dry out prior to covering with concrete or additional fill.

Materials for Fill

The on-site soils are, in general, suitable for use as compacted fill, with the exception of oversized materials. Existing on-site soils to be used as fill should be free of debris and any pieces larger than 8 inches in greatest dimension. Imported material and fills placed within 3 feet of the finished building pad grades should not contain particles greater than 3 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

Soils used as retaining wall backfill should be granular (contain no more than 40 percent fines - portion passing No. 200 sieve) and non-expansive (E.I. less than 20). Such materials are anticipated to be available on-site. Imported fill material should be predominately granular and non-expansive as defined above.

Walls Below Grade

Although permanent retaining walls are not anticipated, preliminary lateral earth pressures for use in conceptual design of walls below grade are provided below:

Wall Condition	Equivalent Fluid Pressure
Cantilever walls with level, drained backfill comprised of granular soils or the undisturbed natural soils (Static Active Pressure Condition)	40 pcf (1)
Restrained basement walls with drained conditions (Static At-Rest Pressure Condition)	60 pcf (1)
Additional lateral pressure increases for seismic loading Active Pressure Condition: At-rest Pressure Condition:	 33 pcf 13 pcf
Surcharge Pressures	See below.

Note (1) does not include hydrostatic pressures or seismic earth pressures.

Walls subject to surcharge loads should be designed for an additional uniform lateral pressure equal to one-third and one-half the anticipated surcharge pressure for unrestrained and restrained walls, respectively. In addition to the recommended earth pressure, the upper 10 feet of the walls adjacent to the streets should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pound per square foot surcharge behind the shoring due to normal street traffic.

Concrete Floor Slabs

Concrete floor slabs supported at grade are anticipated to be underlain by engineered fill following overexcavation and recompaction or near surface unsuitable fill and natural soils. A moisture vapor retarder should be placed under slabs that are to be covered with moisture-sensitive floor coverings.

Pavements

Based on an assumed R-value of 45 and using the California Division of Highways Design Method, the following preliminary pavement sections have been developed for various levels of traffic.

PAVEMENT AREA	TRAFFIC INDEX	SECTION THICKNESS (inches)	
		ASPHALT CONCRETE	AGGREGATE BASE COURSE
Asphalt Concrete			
Auto Parking Stalls	4	3	4
Circulation Drives	5	3	4
Truck Drives	6	3	6
Heavy Truck Drives	7	4	6
Portland Cement Concrete		**PCC(1)**	
Auto Parking Stalls	4	6	0
Circulation Drives	5	6.5	0
Truck Drives	6	7	0
Heavy Truck Drives	7	7	0
	8	7.5	0

(1) Note: PCC pavement section can be reduced by ½ inch if underlain by 4 inches of aggregate base.

The pavement subgrade and the base course material should be compacted to at least 95 percent of the maximum dry density (ASTM D 1557). Testing of the subgrade soils should be performed during design and following rough grading to confirm and update the recommended pavement sections based on Traffic Indexes provided by the Civil Engineer.

Corrosion

Based on laboratory testing by HDR (included in Appendix C of this report) the site soils are considered to be mildly corrosive to concrete and ferrous metals. Based on the test results, foundation concrete and other concrete in contact with site soils should conform to the requirements outlined in ACI 318-14, Section 19.3 for a negligible level of soluble sulfate exposure for soil (Exposure Class S0). According to the American Concrete Institute (ACI) 318-14, Table 19.3.1.1, the Exposure Class for corrosion protection of reinforcement are "C0" if "concrete is dry or protected from moisture", and "C1" if "concrete is exposed to moisture but not to an external sources of chlorides".

The provided preliminary corrosion tests are only an indicator of potential soil corrosivity for the sample tested. GPI's scope of work did not include corrosion engineering. A corrosion engineer should be retained to evaluate the corrosion potential of the site to proposed improvements, to recommend further testing as required, and to provide specific corrosion mitigation methods appropriate for the project. Additional testing should be conducted during final design.

Percolation Test Wells

Test wells, P-1 and P-2 were, were installed in boreholes drilled using truck-mounted hollow-stem auger drill equipment at two of the preliminary infiltration basin locations. The locations of the test wells are shown on Figure 2. The wells consisted of 2-inch diameter PVC casing installed in an 8-inch diameter borehole. The casing was perforated in the lower 2 feet of the wells. Packing material around the slotted sections of the well casing consisted of #3 sand. The test wells P-1 and P-2 were constructed to depths of approximately 17½ and 16 feet, respectively, below existing grade in order to test the soils near the bottom elevations for two basins that were being considered at the time our field work was conducted. The percolation testing was performed in general accordance with the San Bernardino County guidelines for borehole infiltration tests.

The test wells were filled with water the day before testing and presoaked at least 15 hours. Prior to running the tests in the wells, we conducted the Sandy Soil Criteria Test by filling the test holes as described in the guidelines and taking measurements of the water levels. The Sandy Soil Criteria were achieved in both wells P-1 and P-2. Two consecutive measurements showed that at least 6 inches of water seeped away in less than 25 minutes, therefore the test was continued for at least 1 hour as described in the criteria. The results of the Sandy Soil Criteria Tests are shown on the table below.

The percolation testing was conducted as outlined in the Reference for 'sandy soils' for at least six consecutive 10-minute readings. The tests were performed in each well, measuring the drop in water level over the designated time increment, as appropriate for each location. The initial water heights in the test wells were on the order of 3 feet above the bottom of the test well. After each reading, the water level was raised to approximately the same height. Details of the percolation tests are presented in the attached Table 1, Borehole Infiltration Test Results.

The measured infiltration rates were calculated using the drop in water level over the test increment time and corrected using the Porchet Method. The final measured rates for each well, corrected as indicated above are presented in the following table and should be used with an appropriate factor of safety.

Infiltration Test Results Summary

TEST WELL	APPROXIMATE DEPTH OF TEST WELL (feet)	CORRECTED INFILTRATION RATE (in./hr.)
P-1	17.6	4.4
P-2	16.2	4.9

After completion of the infiltration testing, the well casings were removed, and the holes were backfilled with the on-site soils.

Based on the results of the tests, storm water disposal by infiltration into the shallow subsurface soils is anticipated to be technically feasible. The subsurface conditions encountered in the explorations across the site appear to be relatively uniform and comparable infiltration rates are anticipated in other areas of the site. During final design, additional explorations and infiltration testing should be conducted at the specific locations and depths of planned stormwater infiltration.

The Civil Engineer should evaluate the feasibility of surface infiltration using the rates provided above. Additional factors of safety in computing the design infiltration rate of the proposed infiltration BMP should be determined by the project Civil Engineer.

It should also be noted that the infiltration rates are for clean, clear water and do not include effects of sediment, fines, dissolved solids or other debris, as these materials will significantly reduce the infiltration rates of the subsurface soils. Prior to infiltration, water should be cleaned of sediment or other deleterious materials to help reduce the potential for clogging and reduced percolation rates. Should fines or suspended solids be permitted to enter the basin, reduced infiltration rates will result.

LIMITATIONS

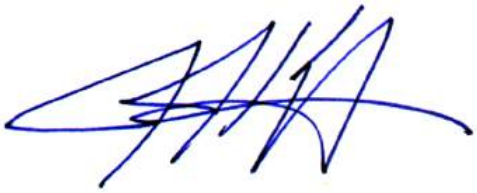
The geotechnical investigation reported herein was performed for the exclusive use by Oakmont Rialto Olive Grove LLC and their consultants in evaluating the feasibility of constructing the proposed improvements. This report should not be used for evaluating the feasibility of developing the site for other uses or for the detailed design of the proposed project, because this report does not contain sufficient or appropriate information for such use.

Soil deposits may vary in type, strength, and many other important properties between points of exploration due to non-uniformity of the geologic formations or to man-made cut and fill operations. While we cannot evaluate the consistency of the properties of materials in areas not explored, the conclusions drawn in this report are based on the assumption that the data obtained in the field are reasonably representative of field conditions and are conducive to interpolation and extrapolation.

As noted previously, additional geotechnical investigations will be needed for design and construction. Furthermore, our recommendations were developed with the assumption that a proper level of field observation and construction review will be provided by a qualified geotechnical consulting firm during grading, excavation, and foundation construction. If design- and construction-phase geotechnical services are performed by others they must accept full responsibility for all geotechnical aspects of the project.

Our investigation and evaluations were performed using generally accepted engineering approaches and principles available at this time and the degree of care and skill ordinarily exercised under similar circumstances by reputable Geotechnical Engineers practicing in this area. No other representation, either express or implied, is included or intended in our report.

Respectfully submitted,
Geotechnical Professionals Inc.



Justin J. Kempton, G. E. 2385
Associate

Paul R. Schade, G.E. 2371
Principal

Enclosures: References
Figure 1 - Site Location Map
Figure 2 - Site Plan
Table 1 - Borehole Infiltration Test Results
Appendix A - Exploratory Borings
Appendix B - Exploratory Test Pits
Appendix C - Laboratory Testing

REFERENCES

1. American Society of Civil Engineers (ASCE) (2016), “Minimum Design Loads for Buildings and Other Structures,” ASCE/SEI 7-16

2. California Department of Water Resources, Water Data Library, http://www.water.ca.gov/waterdatalibrary/

3. California Geological Survey (2008), “Guidelines for Evaluating and Mitigating Seismic Hazards in California,” Special Publication 117A, 2008.

4. California Geological Survey (2008), “Recommended Criteria for Delineating Seismic Hazard Zones in California,” Special Publication 118, April 2004.

5. California Geological Survey (2010), “Fault Activity map of California”, http://maps.conservation.ca.gov/cgs/fam/

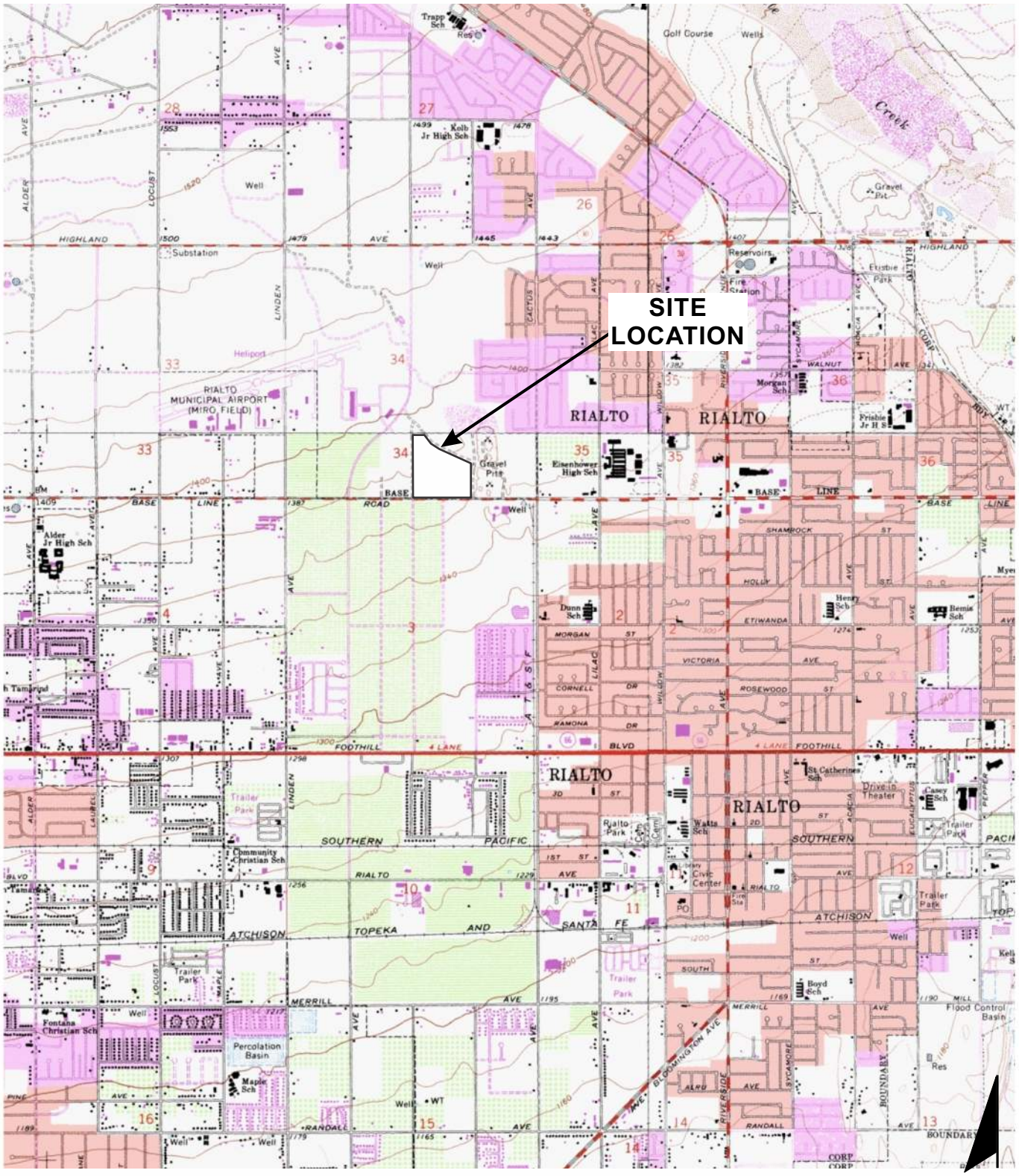
6. California Office of Statewide Health Planning and Development (OSHPD), Seismic Design Maps Website, https://seismicmaps.org/

7. NETR Online, Historical Aerials, www.historicalaerials.com

8. United States Geologic Survey, 1978, Open File Report 78-19, Geologic Map of Fontana Quadrangle, Riverside and San Bernardino Counties

9. United States Geological Survey (2014), 2008 National Seismic Hazard Maps, Source Parameters, http://geohazards.usgs.gov/cfusion/hazfaults_search/hf_search_main.cfm

10. United States Geological Survey (accessed 2019), Unified Hazard Tool website, https://earthquake.usgs.gov/hazards/interactive/



0 3000 6000 FEET

BASE MAP REPRODUCED FROM USGS 7.5' TOPO MAPS © CALTOPO

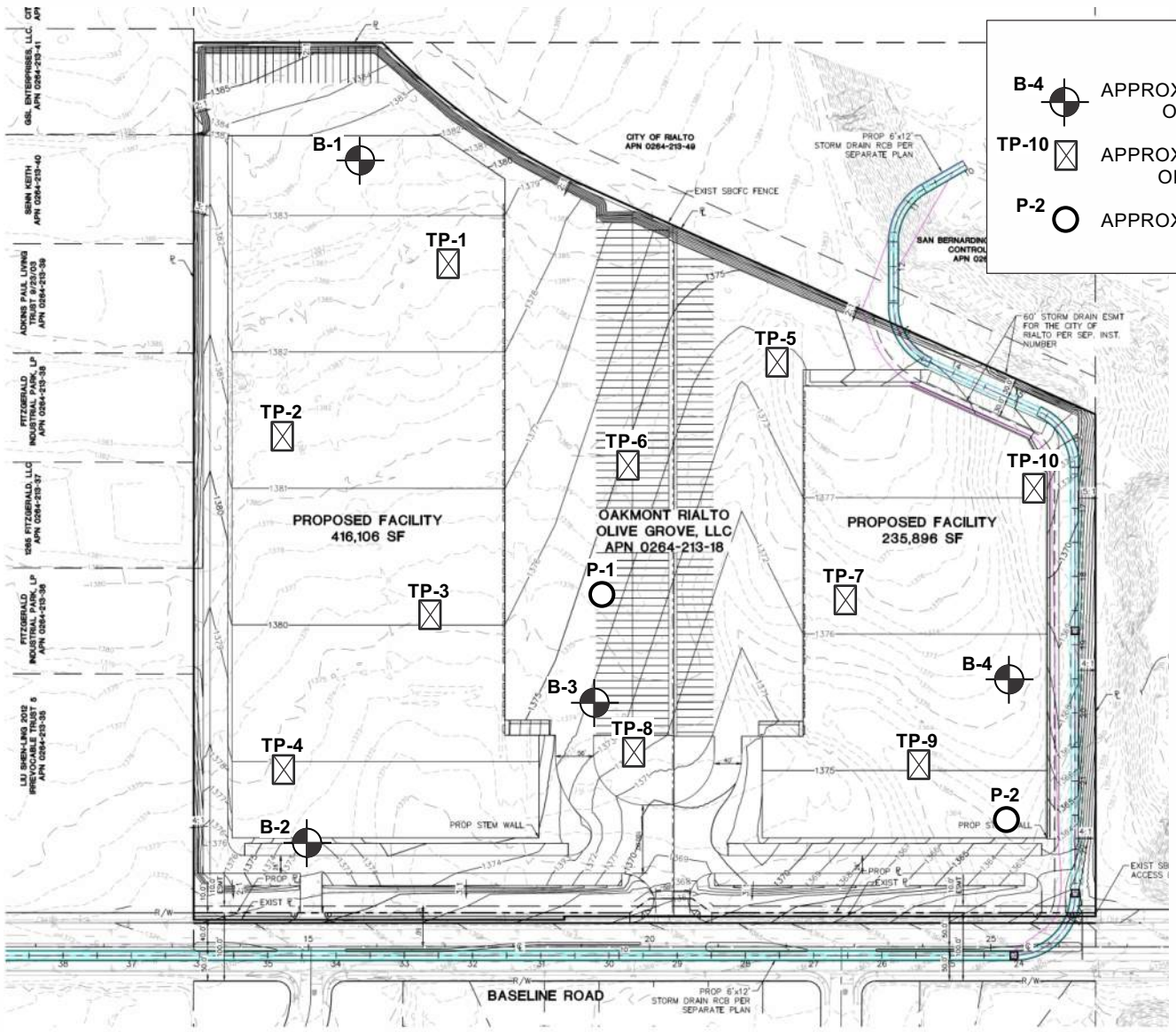
GPI GEOTECHNICAL PROFESSIONALS, INC.

OLIVE GROVE BUSINESS PARK

GPI PROJECT NO.: 2963.I | SCALE: 1" = 3000'

SITE LOCATION MAP

FIGURE 1



BASE MAP REPRODUCED FROM STORM DRAIN AND GRADING EXHIBIT BY KIMLEY HORN DATED SEPTEMBER 26, 2019

GPI GEOTECHNICAL PROFESSIONALS, INC.

OLIVE GROVE BUSINESS PARK

GPI PROJECT NO.: 2963.I | SCALE: 1" = 250'

SITE PLAN

FIGURE 2

TABLE 1

BOREHOLE INFILTRATION TEST RESULTS (corrected with Porchet Method)

San Bernadino County Method-TGD, 2011

Project No. 2963.I Project Name: Olive Grove Business Park Date: 10/2/2019

Test Date 9/16/2016 NOTE: Slowest rate from percolation testing used to calculate infiltration rate

		Water	Water	Total		Initial	Final	Change in	Average	
	Test	Depth	Depth	Depth of	Hole	Water	Water	Height of	Height of	Infiltration
Test Well	Duration	Initial	Final	Test Hole	Diameter	Height	Height	Water	Water	Rate
	(min)	(ft)	(ft)	(ft)	(inches)	(ft)	(ft)	(ft)	(ft)	(in/hr)
	Δt	D_o	D_f	D_T		H_o	H_f	$\Delta H=\Delta D$	H_{avg}	I_t
P-1	10	14.60	15.60	17.60	8	3.00	2.00	1	2.50	4.5
P-1	10	14.60	15.59	17.60	8	3.00	2.02	0.985	2.51	4.4
P-1	10	14.60	15.59	17.60	8	3.00	2.02	0.985	2.51	4.4
P-1	10	14.60	15.58	17.60	8	3.00	2.03	0.975	2.51	4.4
P-1	10	14.60	15.55	17.60	8	3.00	2.05	0.95	2.53	4.2
P-1	10	14.60	15.58	17.60	8	3.00	2.03	0.975	2.51	4.4
P-1	10	14.60	15.58	17.60	8	3.00	2.02	0.98	2.51	4.4

Test Date 9/16/2016 NOTE: Slowest rate from percolation testing used to calculate infiltration rate

		Water	Water	Total		Initial	Final	Change in	Average	
	Test	Depth	Depth	Depth of	Hole	Water	Water	Height of	Height of	Infiltration
Test Well	Duration	Initial	Final	Test Hole	Diameter	Height	Height	Water	Water	Rate
	(min)	(ft)	(ft)	(ft)	(inches)	(ft)	(ft)	(ft)	(ft)	(in/hr)
	Δt	D_o	D_f	D_T		H_o	H_f	$\Delta H=\Delta D$	H_{avg}	I_t
P-2	10	13.20	14.25	16.20	8	3.00	1.95	1.05	2.48	4.8
P-2	10	13.20	14.26	16.20	8	3.00	1.94	1.06	2.47	4.8
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9
P-2	10	13.20	14.26	16.20	8	3.00	1.94	1.06	2.47	4.8
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9

APPENDIX A

APPENDIX A

EXPLORATORY BORINGS

The subsurface conditions for the site were investigated by drilling and sampling four exploratory borings. The borings were advanced to depths of 21½ to 36½ feet below the existing ground surface. The approximate locations of the explorations are shown on the Site Plan, Figure 2.

The exploratory borings were drilled using truck-mounted hollow-stem auger drill equipment. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D 3550). The brass-rings have an inside diameter of 2.42 inches. The ring samples were driven into the soil by a 140-pound hammer dropping 30 inches. The number of blows needed to drive the sampler into the soil was recorded as the penetration resistance.

At selected locations, disturbed samples were obtained using a split-spoon sampler by means of the Standard Penetration Test (SPT, ASTM D 6066). The spoon sampler was driven into the soil by a 140-pound hammer dropping 30 inches, employing the “free-fall” hammer described above. After an initial seating drive of 6 inches, the number of blows needed to drive the sampler into the soil a depth of 12 inches was recorded as the penetration resistance. These values are the raw uncorrected blow counts.

The field explorations for the investigation were performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the borings, classified the soils encountered, and obtained relatively undisturbed samples for examination and laboratory testing. The soils encountered in the borings were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the borings are presented in Figures A-1 through A-4 in this appendix. Upon completion of the sampling of hollow-stem auger borings, the holes were backfilled with the excavated soils.

The boring locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from an A.L.T.A./N.S.P.S. Land Title Survey Sheet 1 of 1, dated 5/13/19, by Madole and Associates, Inc., and should be considered approximate.

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	Fill: **SILTY SAND (SM)** brown, dry	
11.1	114	27	D		Natural: **SILTY SAND (SM)** brown, moist, medium dense, trace gravel	1385
10.6		8	S	5	@ 5 feet, loose, fine to medium grained	
3.9	120	53	D		**SAND WITH SILT AND GRAVEL (SP-SM)** light brown, slightly moist, dense, trace cobble	1380
3.6		22	S	10	@ 10 feet, medium dense	
						1375
2.6	119	90/11"	D	15	@ 15 feet, dry, very dense	
						1370
3.6		16/50/6"	S	20	@ 20 feet, slightly moist	
						1365
5.7	116	50/5"	D	25	**SILTY SAND (SM)** brown, slightly moist, very dense, some gravel	
					@ 27 to 30 feet, rig chattering	1360
3.6		50/6"	S	30	@ 30 feet, some cobble	
						1355
3.5		50/4"	D	35		
					Total Depth 36 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-1

FIGURE A-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Possible Fill: **SILTY SAND (SM)** light brown, dry, trace gravel	1370
0.7		15	S		@ 2 feet, medium dense, little cobble	
					Natural: **SILTY SAND (SM)** light brown, dry, very dense	
1.4	105	50/5"	D	5		
2.3		50/4"	S		**SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, very dense	1365
4.9	121	83/11"	D	10	@ 10 feet, slightly moist	1360
		50/3"	S	15	@ 15 feet, no recovery	1355
3.1		19/50/5"	S	20		
					Total Depth 21.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-2

FIGURE A-2

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Fill: **SILTY SAND (SM)** light brown, dry, few cobble (3 to 12 inch diameter)	
1.0		39	S		Natural: **SILTY SAND (SM)** light brown, dry, dense, trace cobble	1370
2.3	118	53	D	5	**SAND WITH SILT AND GRAVEL (SP-SM)** light brown, slightly moist, dense	
6.8		28	S		**SILTY SAND (SM)** light brown, slightly moist, medium dense	1365
3.9	116	43	D	10	**SAND WITH SILT (SP-SM)** brown, slightly moist, dense, trace gravel	
					SILTY SAND (SM) brown, slightly moist, dense	1360
7.2		47	S	15	**SAND WITH SILT (SP-SM)** light brown, moist, dense, trace gravel and cobble	
						1355
3.1	115	50/6"	D	20	@ 20 feet, slightly moist, very dense	
						1350
3.6		24/50/6"	S	25		
						1345
		50/3"	D	30	@ 30 feet, no recovery	
						1340
4.5		71	S	35	@ 35 feet, slightly moist to moist	
					Total Depth 36.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-3

FIGURE A-3

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	Fill: **SILTY GRAVEL WITH SAND (GM)** light brown, dry, trace cobbles (up to 12 inch diameter)	1370
7.6	106	41	D		Natural: **SILTY SAND WITH GRAVEL (SM)** brown, moist, medium dense, trace cobble	
8.5		9	S	5	@ 5 feet, loose	1365
4.4	123	60	D		**SAND WITH SILT (SP-SM)** brown, slightly moist, dense, coarse, trace gravel	
5.0		25	S	10	@ 10 feet, medium dense	1360
2.8	110	54	D	15	@ 15 feet, dense	1355
4.6		21	S	20	@ 20 feet, medium dense	1350
3.6	118	50/6"	D	25	**SAND (SP)** light brown,slightly moist, very dense, trace gravel	1345
3.8		15/77/9"	S	30	**SAND WITH SILT (SP-SM)** light brown, slightly moist, very dense, trace gravel, 1-inch lens of silty sand at 31 feet @32 feet, rig chattering	1340
3.4	109	58	D	35	@ 35 feet, slightly moist, dense	1335
					Total Depth 36 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-4

FIGURE A-4

APPENDIX B

APPENDIX B

EXPLORATORY TEST PITS

The subsurface conditions at the site were investigated by excavating and sampling ten exploratory test pits. The excavations were advanced to depths of approximately 5 feet below the existing ground surface using a backhoe. The locations of the explorations are shown on the Site Plan, Figure 2.

The field exploration for the investigation was performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the test pits, and classified the soils encountered. The soils encountered in the test pits were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the explorations are presented in Figures B-1 to B-10 in this appendix.

The test pit locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from an A.L.T.A./N.S.P.S. Land Title Survey Sheet 1 of 1, dated 5/13/19, by Madole and Associates, Inc., and should be considered approximate.

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes less than 1 inch	
						@ 3 feet, moist, few gravel, probes 1-inch	
						@ 4 feet, some angular gravel	1380
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-1

FIGURE B-1

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	1380
						@ 1 foot, probes 2-3 inches	
						@ 3.5 feet, some gravel and rounded cobbles (up to 4 inches), probes 1-inch	
					5	**GRAVEL WITH SAND (GP)** some cobbles (up to 4 inches)	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-2

FIGURE B-2

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, some gravel and cobbles (3 to 5 inches), probes 1-inch	
						@ 1 foot, probes less than 1-inch	
						GRAVEL WITH SAND (GP) brown, slightly moist, probes less than 1-inch, some cobbles	
						@ 4 feet, probes 2-inches	
					5		1370
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-3

FIGURE B-3

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0		
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes 2-inches, some cobbles and rounded boulders up to 22 inches in diameter	
						@ 2 feet, probes 1-inch	
						@ 3 feet, probes less than 1-inch	
					5		1370
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-4

FIGURE B-4

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, little gravel	
						@ 1 foot, moist	
						@ 3 feet, some rounded gravel	1375
						SANDY GRAVEL (GP) light brown, slighlty moist, some cobbles (3 to 5 inches)	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-5

FIGURE B-5

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, few gravel	
						@ 1 foot, probes 1-2 inches, trace gravel	
						@ 2 feet, probes less than 1-inch	
						@ 3 feet, little gravel	1375
						SAND WITH SILT AND GRAVEL (SP-SM) light brown, slightly moist, probes less than 1-inch	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-6

FIGURE B-6

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Fill: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	
						@ 2 feet, with roots	1370
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes 1-inch	
					5	@ 4.5 feet, some rounded cobbles (3 to 5 inches)	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-7

FIGURE B-7

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, moist, trace gravel, probes 1 to 2 inches	
						@ 3 feet, brown, probes 1-inch, with rounded gravel	1370
					5	**SAND WITH GRAVEL (SP)** brown, moist, probes less than 1-inch	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-8

FIGURE B-8

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	
						@ 1.5 feet, some cobbles	
						@ 3 feet, probes less than 1-inch	
						SAND WITH GRAVEL (SP) light brown, slightly moist, probes less than 1-inch, some cobbles	
					5		1360
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-9

FIGURE B-9

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, some gravel and cobbles	1365
						GRAVEL WITH SAND (GP) light brown, slightly moist, probes 1 inch, some cobbles	
						SAND WITH SILT (SP-SM) light brown, slightly moist, probes 1-inch, some gravel and cobbles 3 to 5 inches	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-10

FIGURE B-10

APPENDIX C

APPENDIX C

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density were determined from a number of the ring and SPT samples from the borings. The samples were first trimmed to obtain volume and wet weight and then were dried in accordance with ASTM D 2216. After drying, the weight of each sample was measured, and moisture content and dry density were calculated. Moisture content and dry density values are presented on the boring logs in Appendix A.

PERCENTAGE PASSING NO. 200 SIEVE

Select soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. For select samples, the retained material was then run through a standard set of sieves in accordance with ASTM D 422 to classify the coarse fraction of representative sample. A summary of the percentages passing the No. 200 sieve is presented below. The grain size distribution data obtained from the full sieve analyses are presented in Figure C-1.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-1	0-5	Silty Sand (SM)	45
B-3	15	Sand with Silt (SP-SM)	7
B-3	20	Sand with Silt (SP-SM)	5
B-4	0-5	Silty Gravel with Sand (GM)	16
B-4	15	Sand with Silt (SP-SM)	6

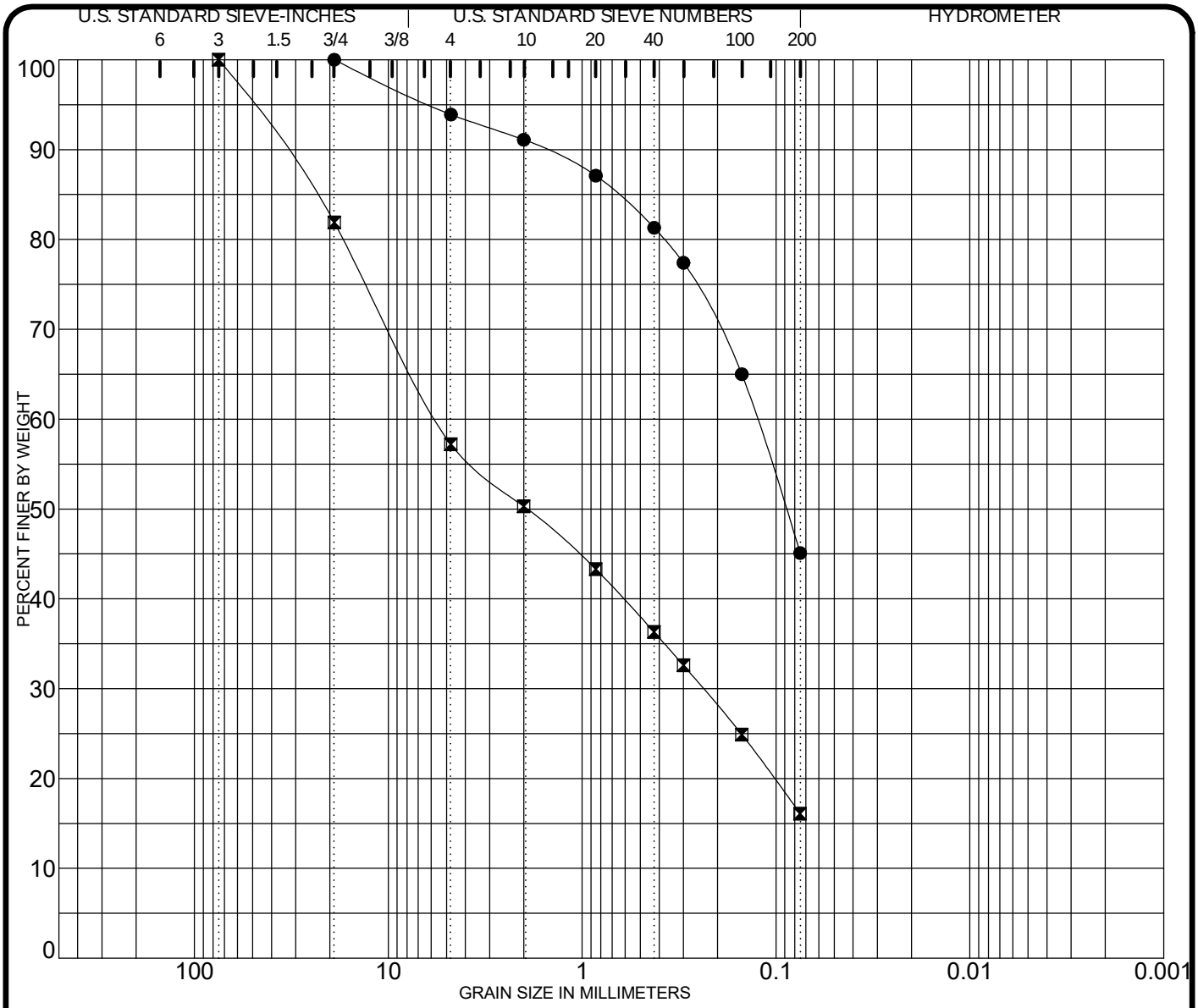
DIRECT SHEAR

A direct shear test was performed on undisturbed samples in accordance with ASTM D 3080. The sample was placed in the shear machine, and pre-selected normal loads were applied. The samples were inundated, allowed to consolidate, and then were sheared to failure at a strain rate of 0.002 inches per minute. The tests were repeated on additional test specimens under increased normal loads. Shear stress and sample deformation were monitored throughout the test. The results of the direct shear test are presented in Figure C-2.

COMPACTION TEST

A maximum dry density/optimum moisture test was performed in accordance with ASTM D1557 on a representative bulk sample of the surficial soils. The test results are as follows.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	OPTIMUM MOISTURE (%)	MAXIMUM DRY DENSITY (pcf)
B-3	0-5	Silty Sand (SM)	8	133



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Location		Classification	MC%	LL	PL	PI	Cc	Cu
●	B-1	0.0	SILTY SAND (SM)						
⊠	B-4	0.0	SILTY GRAVEL with SAND (GM)						

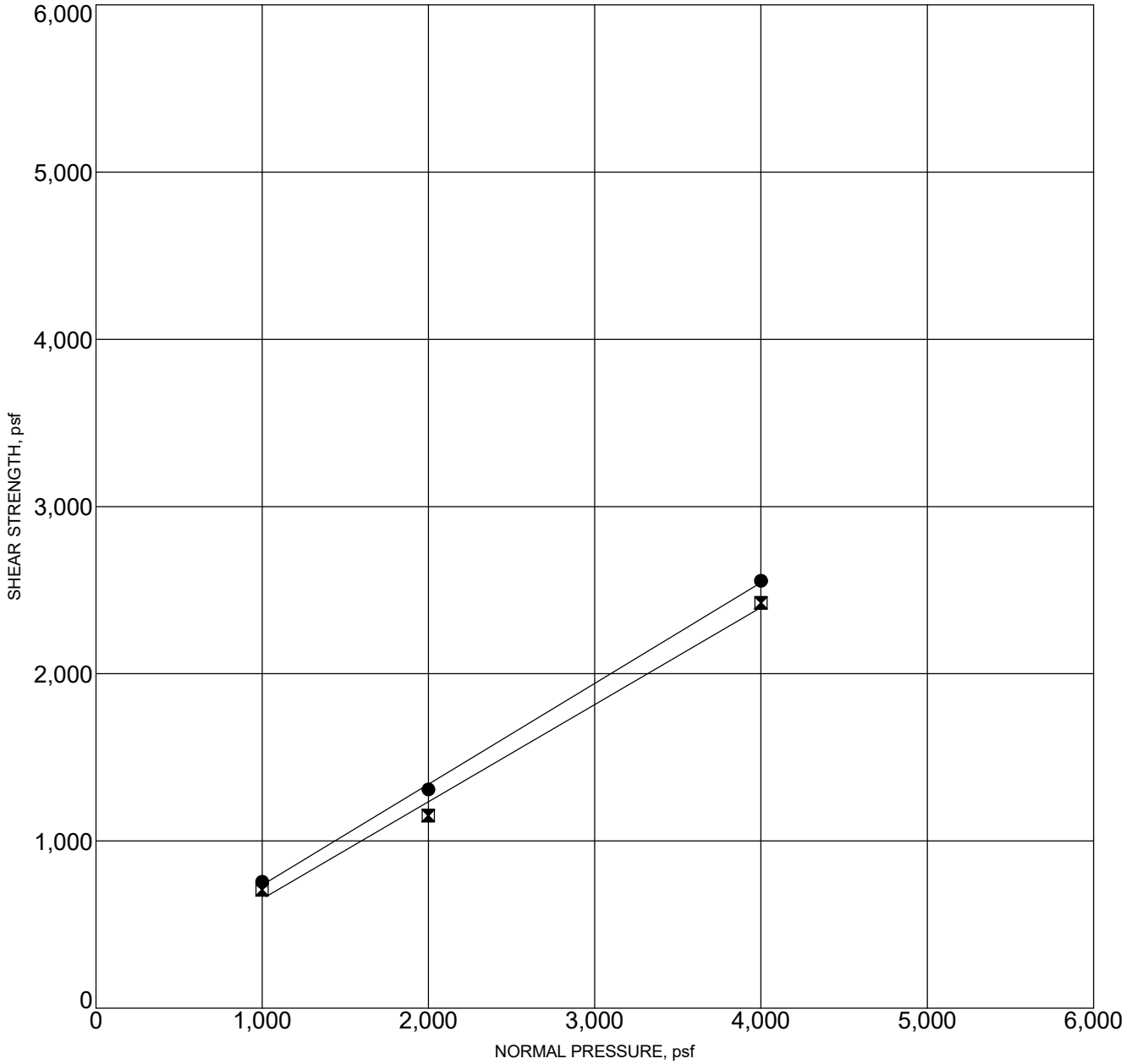
	Sample Location		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-1	0.0	19.00	0.13			6.1	48.8	45.1	
⊠	B-4	0.0	75.00	5.56	0.237		42.8	41.1	16.1	

PROJECT: OLIVE GROVE BUSINESS PARK PROJECT NO. 2963.I

GPI

GRAIN SIZE DISTRIBUTION

FIGURE C-1



● **PEAK STRENGTH**
Friction Angle= 31 degrees
Cohesion= 132 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 72 psf

Note: Samples remolded to 90% of maximum dry density

Sample Location		Classification	DD,pcf	MC,%
B-3	0-5	SILTY SAND (SM)	133	8.0

PROJECT: OLIVE GROVE BUSINESS PARK PROJECT NO.: 2963.I

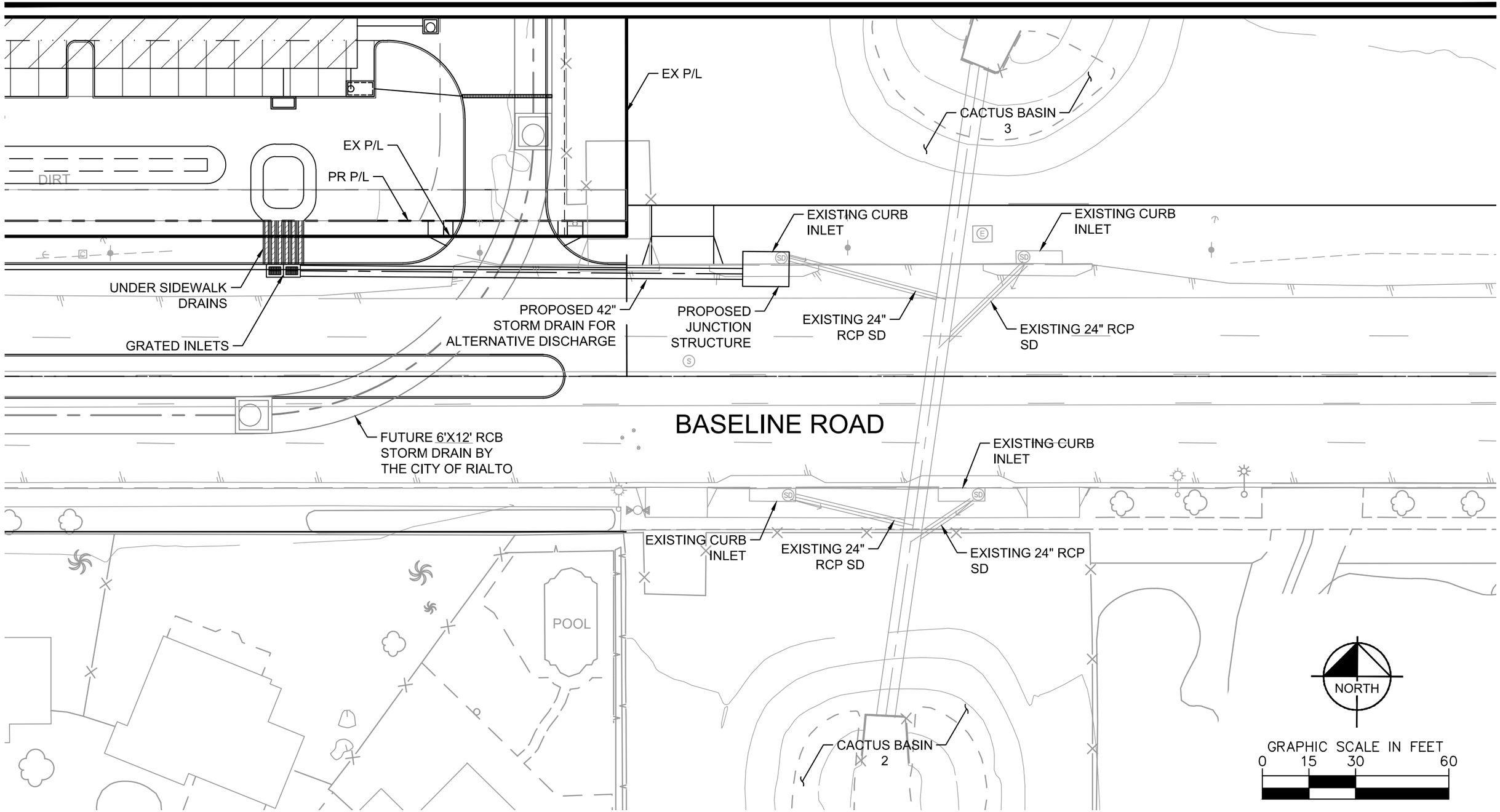
GPI

DIRECT SHEAR TEST RESULTS

FIGURE C-2

APPENDIX K

ALTERNATIVE DOWNSTREAM DRAINAGE EXHIBIT



Kimley»Horn

ALTERNATIVE STORM DRAIN DISCHARGE
OLIVE GROVE BUSINESS PARK
1/15/2020

Preliminary Water Quality Management Plan

For:

Olive Avenue Development

PM 20195

PPD# 2019-____

Prepared for:

Oakmont Rialto Olive Grove, LLC

c/o Crow Holdings Industrial

527 W. 7th Street, Suite 308

Los Angeles, CA 90014

949.478.1883

Prepared by:

Kimley-Horn and Associates

401 B Street

San Diego, CA 92101

(619) 234-9411

Approval Date: _____

Prepared: January 2020

Project Owner's Certification

This Water Quality Management Plan (WQMP) has been prepared for **Oakmont Rialto Olive Grove, LLC** by Kimley-Horn and Associates. The WQMP is intended to comply with the requirements of the **City of Rialto, San Bernardino County** and the NPDES Areawide Stormwater Program requiring the preparation of a WQMP. The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with San Bernardino County's Municipal Storm Water Management Program and the intent of the NPDES Permit for San Bernardino County and the incorporated cities of San Bernardino County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors in interest and the city/county shall be notified of the transfer. The new owner will be informed of its responsibility under this WQMP. A copy of the approved WQMP shall be available on the subject site in perpetuity.

"I certify under a penalty of law that the provisions (implementation, operation, maintenance, and funding) of the WQMP have been accepted and that the plan will be transferred to future successors."

Project Data			
Permit/Application Number(s):	PPD 2019-____	Grading Permit Number(s):	
Tract/Parcel Map Number(s):	PM 20195	Building Permit Number(s):	
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN 0264-213-18-0000

Owner's Signature		
Owner Name: Phil Prassas		
Title	Senior Managing Director	
Company	Crow Holdings Industrial	
Address	527 W. 7th Street, Suite 308, Los Angeles, CA 90014	
Email	pprassas@chindutstrial.com	
Telephone #	949.478.1883	
Signature	Date	

Preparer's Certification

Project Data			
Permit/Application Number(s):	PPD 2019-____	Grading Permit Number(s):	
Tract/Parcel Map Number(s):	PM 20195	Building Permit Number(s):	
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN 0264-213-18-0000

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan were prepared under my oversight and meet the requirements of Regional Water Quality Control Board Order No. R8-2010-0036."

Engineer: Davie Cowan		PE Stamp Below
Title	Civil Engineer	PRELIMINARY
Company	Kimley-Horn and Associates	
Address	401 B Street, Suite 600, San Diego, CA 92101	
Email	Davie.cowan@kimley-horn.com	
Telephone #	619-744-0144	
Signature		
Date		

Table of Contents

Section 1 Discretionary Permit(s) 1

Section 2 Project Description 1

2.1 Project Information 1
2.2 Property Ownership/Management 2
2.3 Potential Stormwater Pollutants 3
2.4 Water Quality Credits 4

Section 3 Site and Watershed Description 1

Section 4 Best Management Practices (BMP) 1

4.1 Source Control BMP 1
4.2 Project Performance Criteria 7
4.3 Project Conformance Analysis 13
4.4 Alternative Compliance Plan (if applicable) 30

Section 5 Inspection and Maintenance Responsibility for Post Construction BMP 1

Section 6 WQMP Attachments 1

6.1. Site Plan and Drainage Plan 1
6.2 Electronic Data Submittal 1
6.3 Post Construction 1
6.4 Other Supporting Documentation 1

Forms

Form 1-1 Project Information 1

Form 2.1-1 Description of Proposed Project 1

Form 2.2-1 Property Ownership/Management 2

Form 2.3-1 Pollutants of Concern 3

Form 2.4-1 Water Quality Credits 5

Form 3-1 Site Location and Hydrologic Features 1

Form 3-2 Existing Hydrologic Characteristics for Drainage Areas 3

Form 4.1-1 Non-Structural Source Control BMPs 2

Form 4.1-2 Structural Source Control BMPs 4

Form 4.1-3 Preventative LID Site Design Practices Checklist 6

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 1) 7

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 2) 8

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 3) 8

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 4) 9
Form 4.2-2 Summary of HCOC Assessment (DA 1) 9
Form 4.2-3 HCOC Assessment for Runoff Volume (DA 1) 10
Form 4.2-4 HCOC Assessment for Time of Concentration (DA 1) 11
Form 4.2-5 HCOC Assessment for Peak Runoff (DA 1) 12
Form 4.3-1 Infiltration BMP Feasibility (DMA 1) 14
Form 4.3-1 Infiltration BMP Feasibility (DMA 2) 15
Form 4.3-1 Infiltration BMP Feasibility (DMA 3) 16
Form 4.3-1 Infiltration BMP Feasibility (DMA 4) 17
Form 4.3-2 Site Design Hydrologic Source Control BMPs (DA 1) 18
Form 4.3-3 Infiltration LID BMPs 21
Form 4.3-3 Infiltration LID BMPs 22
Form 4.3-4 Harvest and Use BMPs (DA 1) 23
Form 4.3-5 Selection and Evaluation of Biotreatment BMP (DA 1) 24
Form 4.3-6 Volume Based Biotreatment (DA 1) – 25
Bioretention and Planter Boxes with Underdrains 25
Form 4.3-7 Volume Based Biotreatment (DA 1) – 26
Constructed Wetlands and Extended Detention 26
Form 4.3-8 Flow Based Biotreatment (DA 1) 27
Form 4.3-9 Conformance Summary and Alternative 28
Compliance Volume Estimate 28
Form 4.3-10 Hydromodification Control BMPs (DA 1) 29
Form 5-1 BMP Inspection and Maintenance 1

Appendices

Appendix A **WQMP Site Plan Exhibit and BMP Calculations**

Appendix B **BMP Educational Material**

Appendix C **WQMP Agreement**

Appendix D **BMP Operation and Maintenance**

Appendix E **Geotechnical Report**

Appendix F **Hydrologic Conditions of Concern Exemption Documentation**

Section 1 Discretionary Permit(s)

Form 1-1 Project Information

Project Name	Olive Grove Business Park				
Project Owner Contact Name:	Phil Prassas				
Mailing Address:	527 W. 7th Street Suite 308, Los Angeles, CA 90014	E-mail Address:	pprassas@chindustrial.com	Telephone:	949.478.1883
Permit/Application Number(s):	PPD 2019-XXXX		Tract/Parcel Map Number(s):	PM 20195	
Additional Information/ Comments:					
Description of Project:	The proposed Olive Grove Business Park is approximately 31.6 acres and encompasses two proposed buildings with a combined total of 678,744 square feet of building footprint with paved parking and access to the building. The buildings will include office and warehouse space. The 31.6-acre project site is located within the City of Rialto's Rialto Airport Specific Plan and is designated as Airport-Related Planned Industrial Development which is intended to provide office and light industrial space for airport-related or airport-dependent uses. The site is located along W Baseline Road, approximately 350 feet east of N Fitzgerald Avenue and 1,350 feet west of N Cactus Avenue. This project proposes four underground chambers on-site to capture and infiltrate the water quailty design capture volume and detain the 100-yr design storm runoff volume.				
Provide summary of Conceptual WQMP conditions (if previously submitted and approved). Attach complete copy.	N/A				

Section 2 Project Description

2.1 Project Information

This section of the WQMP should provide the information listed below. The information provided for Conceptual/ Preliminary WQMP should give sufficient detail to identify the major proposed site design and LID BMPs and other anticipated water quality features that impact site planning. Final Project WQMP must specifically identify all BMP incorporated into the final site design and provide other detailed information as described herein.

The purpose of this information is to help determine the applicable development category, pollutants of concern, watershed description, and long term maintenance responsibilities for the project, and any applicable water quality credits. This information will be used in conjunction with the information in Section 3, Site Description, to establish the performance criteria and to select the LID BMP or other BMP for the project or other alternative programs that the project will participate in, which are described in Section 4.

Form 2.1-1 Description of Proposed Project

1 Development Category (Select all that apply):

☐ Significant re-development involving the addition or replacement of 5,000 ft² or more of impervious surface on an already developed site	☒ New development involving the creation of 10,000 ft² or more of impervious surface collectively over entire site	☐ Automotive repair shops with standard industrial classification (SIC) codes 5013, 5014, 5541, 7532- 7534, 7536-7539	☐ Restaurants (with SIC code 5812) where the land area of development is 5,000 ft² or more
☐ Hillside developments of 5,000 ft² or more which are located on areas with known erosive soil conditions or where the natural slope is 25 percent or more	☐ Developments of 2,500 ft² of impervious surface or more adjacent to (within 200 ft) or discharging directly into environmentally sensitive areas or waterbodies listed on the CWA Section 303(d) list of impaired waters.	☒ Parking lots of 5,000 ft² or more exposed to storm water	☐ Retail gasoline outlets that are either 5,000 ft² or more, or have a projected average daily traffic of 100 or more vehicles per day

☐ Non-Priority / Non-Category Project *May require source control LID BMPs and other LIP requirements. Please consult with local jurisdiction on specific requirements*.

2 Project Area (ft2):	1,376,774 SF (31.6 AC)	**3** Number of Dwelling Units:	N/A	**4** SIC Code:	1541

5 Is Project going to be phased? Yes ☐ No ☒ *If yes, ensure that the WQMP evaluates each phase as a distinct DA, requiring LID BMPs to address runoff at time of completion.*

*Underground chambers will be built during Phase 1 and are adequately sized for all phases of the project. Stormwater from rough graded pads will be treated in desilting basins prior to being conveyed into the underground chambers. Drainage areas will remain the same during the entirety of the project.

6 Does Project include roads? Yes ☐ No ☒ *If yes, ensure that applicable requirements for transportation projects are addressed (see Appendix A of TGD for WQMP)*

2.2 Property Ownership/Management

Describe the ownership/management of all portions of the project and site. State whether any infrastructure will transfer to public agencies (City, County, Caltrans, etc.) after project completion. State if a homeowners or property owners association will be formed and be responsible for the long-term maintenance of project stormwater facilities. Describe any lot-level stormwater features that will be the responsibility of individual property owners.

Form 2.2-1 Property Ownership/Management

Describe property ownership/management responsible for long-term maintenance of WQMP stormwater facilities:

The project site, including the proposed building, paved and unpaved areas, onsite utilities and the BMPs included within this WQMP will be owned, operated and maintained by Oakmont Rialto Olive Grove, LLC. No transfer of infrastructure to public agencies is anticipated. Long-term stormwater facility maintenance will be conducted by Oakmont Rialto Olive Grove, LLC staff and/ or subcontracted maintenance staff.

2.3 Potential Stormwater Pollutants

Determine and describe expected stormwater pollutants of concern based on land uses and site activities (refer to Table 3-3 in the TGD for WQMP).

Form 2.3-1 Pollutants of Concern			
Pollutant	Please check: E=Expected, N=Not Expected		Additional Information and Comments
Pathogens (Bacterial / Virus)	E ☒	N ☐	Pollutant includes petroleum hydrocarbons
Nutrients - Phosphorous	E ☒	N ☐	Landscaping is proposed on-site
Nutrients - Nitrogen	E ☒	N ☐	Landscaping is proposed on-site
Noxious Aquatic Plants	E ☒	N ☐	Landscaping is proposed on-site
Sediment	E ☒	N ☐	Landscaping is proposed on-site
Metals	E ☒	N ☐	Brake dust from vehicular traffic
Oil and Grease	E ☒	N ☐	Vehicular Traffic in parking areas
Trash/Debris	E ☒	N ☐	Covered trash enclosure proposed on-site
Pesticides / Herbicides	E ☒	N ☐	Landscaping is proposed on-site
Organic Compounds	E ☒	N ☐	Landscaping is proposed on-site
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	

2.4 Water Quality Credits

A water quality credit program is applicable for certain types of development projects if it is not feasible to meet the requirements for on-site LID. Proponents for eligible projects, as described below, can apply for water quality credits that would reduce project obligations for selecting and sizing other treatment BMP or participating in other alternative compliance programs. Refer to Section 6.2 in the TGD for WQMP to determine if water quality credits are applicable for the project.

Form 2.4-1 Water Quality Credits

1 Project Types that Qualify for Water Quality Credits: *Select all that apply*

☐ Redevelopment projects that reduce the overall impervious footprint of the project site. [Credit = % impervious reduced]	Higher density development projects ☐ Vertical density [20%] ☐ 7 units/ acre [5%]	☐ Mixed use development, (combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that demonstrate environmental benefits not realized through single use projects) [25%]	☐ Brownfield redevelopment (redevelop real property complicated by presence or potential of hazardous contaminants) [25%]
☐ Redevelopment projects in established historic district, historic preservation area, or similar significant core city center areas [10%]	☐ Transit-oriented developments (mixed use residential or commercial area designed to maximize access to public transportation) [20%]	☐ Infill projects (conversion of empty lots & other underused spaces < 5 acres, substantially surrounded by urban land uses, into more beneficially used spaces, such as residential or commercial areas) [10%]	☐ Live-Work developments (variety of developments designed to support residential and vocational needs) [20%]

NOT APPLICABLE

2 Total Credit % *(Total all credit percentages up to a maximum allowable credit of 50 percent)*

Description of Water Quality Credit Eligibility (if applicable)	N/A

Section 3 Site and Watershed Description

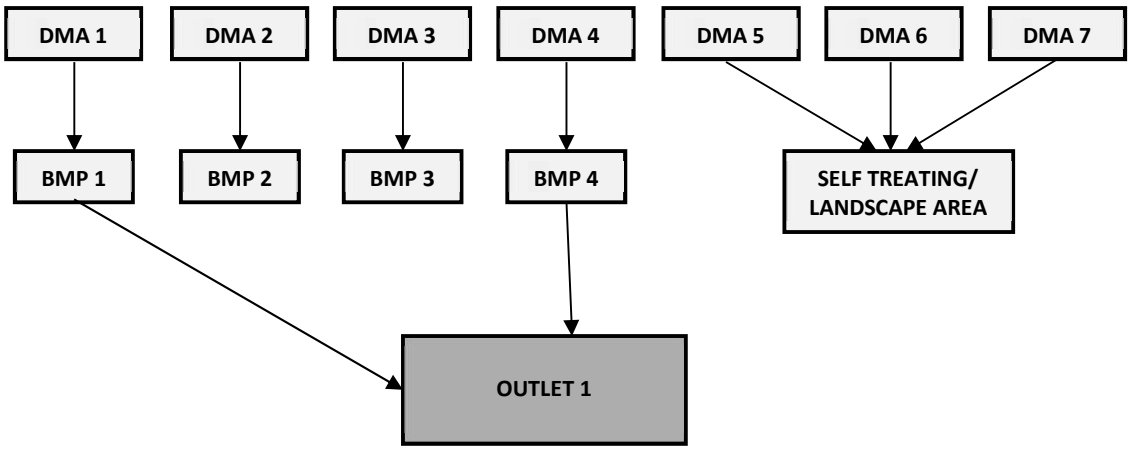
Describe the project site conditions that will facilitate the selection of BMP through an analysis of the physical conditions and limitations of the site and its receiving waters. Identify distinct drainage areas (DA) that collect flow from a portion of the site and describe how runoff from each DA (and sub-watershed DMAs) is conveyed to the site outlet(s). Refer to Section 3.2 in the TGD for WQMP. The form below is provided as an example. Then complete Forms 3.2 and 3.3 for each DA on the project site. ***If the project has more than one drainage area for stormwater management, then complete additional versions of these forms for each DA / outlet.***

Form 3-1 Site Location and Hydrologic Features

Site coordinates *take GPS measurement at approximate center of site*	Latitude 34˚07'22"	Longitude -117˚23'24"	Google Earth Pro

1 San Bernardino County climatic region: ☒ Valley ☐ Mountain

2 Does the site have more than one drainage area (DA): Yes☒ No☐ *If no, proceed to Form 3-2. If yes, then use this form to show a conceptual schematic describing DMAs and hydrologic feature connecting DMAs to the site outlet(s). An example is provided below that can be modified for proposed project or a drawing clearly showing DMA and flow routing may be attached*



Conveyance	Briefly describe on-site drainage features to convey runoff that is not retained within a DMA
DMA 1 to BMP 1	Stormwater from DMA 1 surface flows to onsite inlets where storm drains convey flows to the proposed underground chamber (BMP 1). The water quality volume is infiltrated into the ground and mitigated flows will be released through outlet structures with energy dissipation and will flow across the public right of way via curb outlets. Overflows from DMA 1 are routed to BMP 2 for full infiltration.

DMA 2 to BMP 2	Stormwater from DMA 2 surface flows to onsite inlets where storm drains convey flows to the proposed underground chamber (BMP 2). Overflows from DMA 1 are piped to BMP 2. The 100 year storm event for DMA 2 and overflows from DMA 1 are fully infiltrated with a 0 cfs mitigated discharge.
DMA 3 to BMP 3	Stormwater from DMA 3 surface flows to onsite inlets where storm drains convey flows to the proposed underground chamber (BMP 3). Overflows from DMA 4 are piped to BMP 3. The 100 year storm event for DMA 3 and overflows from DMA 4 are fully infiltrated with a 0 cfs mitigated discharge.
DMA 4 to BMP 4	Stormwater from DMA 4 surface flows to onsite inlets where storm drains convey flows to the proposed underground chamber (BMP 4). The water quality volume is infiltrated into the ground and mitigated flows will be released through outlet structures with energy dissipation and will flow across the public right of way via curb outlets. Overflows from DMA 4 are routed to BMP 3 for full infiltration.

Form 3-2 Existing Hydrologic Characteristics for Drainage Areas

For Drainage Area 1's sub-watershed DMA, provide the following characteristics	DA 1	DA 2		
1 DMA drainage area (ft^2)	837,223	540,144		
2 Existing site impervious area (ft^2)	0	0		
3 Antecedent moisture condition *For desert areas, use http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_map.pdf*	3	3		
4 Hydrologic soil group *Refer to Watershed Mapping Tool – http://sbcounty.permitrack.com/WAP*	A	A		
5 Longest flowpath length (ft)	1347	1373		
6 Longest flowpath slope (ft/ft)	0.018	0.019		
7 Current land cover type(s) *Select from Fig C-3 of Hydrology Manual*	67	67		
8 Pre-developed pervious area condition: *Based on the extent of wet season vegetated cover good >75%; Fair 50-75%; Poor <50% Attach photos of site to support rating*	Poor	Poor		

Section 4 Best Management Practices (BMP)

4.1 Source Control BMP

4.1.1 Pollution Prevention

Non-structural and structural source control BMP are required to be incorporated into all new development and significant redevelopment projects. Form 4.1-1 and 4.1-2 are used to describe specific source control BMPs used in the WQMP or to explain why a certain BMP is not applicable. Table 7-3 of the TGD for WQMP provides a list of applicable source control BMP for projects with specific types of potential pollutant sources or activities. The source control BMP in this table must be implemented for projects with these specific types of potential pollutant sources or activities.

The preparers of this WQMP have reviewed the source control BMP requirements for new development and significant redevelopment projects. The preparers have also reviewed the specific BMP required for project as specified in Forms 4.1-1 and 4.1-2. All applicable non-structural and structural source control BMP shall be implemented in the project.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N1	Education of Property Owners, Tenants and Occupants on Stormwater BMPs	☒	☐	Property owner will familiarize himself/ herself with the education materials provided within this WQMP and educate tenants and employees.
N2	Activity Restrictions	☒	☐	No outdoor work areas, processing, storage or wash area proposed.
N3	Landscape Management BMPs	☒	☐	Irrigation must be consistent with the City's Water Conservation Ordinance. Fertilizer and pesticide usage will be consistent with County Management Guidelines for Use of Fertilizers and Pesticides.
N4	BMP Maintenance	☒	☐	BMP maintenance, implementation schedules, and responsible parties are included within this WQMP.
N5	Title 22 CCR Compliance (How development will comply)	☐	☒	Not Applicable – No hazardous waste onsite.
N6	Local Water Quality Ordinances	☐	☒	Not Applicable
N7	Spill Contingency Plan	☒	☐	Owner will have a spill contingency plan based on site needs.
N8	Underground Storage Tank Compliance	☐	☒	Not Applicable – No underground storage tank proposed onsite.
N9	Hazardous Materials Disclosure Compliance	☐	☒	Not Applicable – No hazardous materials onsite.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N10	Uniform Fire Code Implementation	☒	☐	Owner will comply with Article 80 of the Uniform Fire Code enforced by the fire protection agency.
N11	Litter/Debris Control Program	☒	☐	Owner to implement litter debris control program to provide during regularly scheduled maintenance.
N12	Employee Training	☒	☐	Owner to ensure tenants are familiar with onsite BMPs and the associated maintenance required. Owner will check with City and County at least once a year to obtain new or updated education materials and provide these materials to tenants. Employees shall be trained to clean up spills and participate in ongoing maintenance. The WQMP requires bi-annually employee training and training for new hires within 2 months.
N13	Housekeeping of Loading Docks	☒	☐	All fluids to be kept indoors. Clean up spills immediately and keep spills from entering the storm drain system. No direct discharges are allowed into the storm drain system. Area shall be inspected weekly for proper containment and practices with spills cleansed up immediately and disposed of properly.
N14	Catch Basin Inspection Program	☒	☐	Monthly catch basin and inlet inspection by Owner's designee required. Vacuum when sediment or trash becomes 2 inches deep and dispose of properly.
N15	Vacuum Sweeping of Private Streets and Parking Lots	☒	☐	All landscape maintenance contractors will be required to vacuum sweep up all landscape cuttings, mowings and fertilizer materials off paved areas weekly and dispose of properly. Parking areas and drive ways will be swept monthly by sweeping contractor.
N16	Other Non-structural Measures for Public Agency Projects	☐	☒	Not Applicable – Not a public agency project.
N17	Comply with all other applicable NPDES permits	☒	☐	Project will comply with Construction General permit.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S1	Provide storm drain system stencilling and signage (CASQA New Development BMP Handbook SD-13)	☒	☐	"No Dumping" stencils will be included on all proposed catch basins and inlets. Legibility of stencil will be maintained on a yearly basis.
S2	Design and construct outdoor material storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-34)	☐	☒	Not Applicable – No outdoor material storage areas onsite.
S3	Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	☒	☐	Trash and wastes storage areas will be paved with an impervious surface and not allowed any run-on from adjacent areas. Drainage will be diverted from adjoining roofs and pavements. Trash and waste storage area will be screened or walled to prevent offsite transport of trash and have solid roof or awning to prevent direct contact with rainfall.
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (Statewide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	☒	☐	Irrigation systems shall include reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines. Timers will be used to avoid over watering and watering cycles and duration shall be adjusted seasonally by the landscape maintenance contractor. The landscaping areas will be grouped with plants that have similar water requirements. Native or drought tolerant species shall also be used where appropriate to reduce excess irrigation runoff and propose surface filtration.
S5	Finish grade of landscaped areas at a minimum of 1-2 inches below top of curb, sidewalk, or pavement	☒	☐	Where applicable, landscaped areas will be depressed in order to increase retention of stormwater/ irrigation water promote infiltration. This includes around parking lots.
S6	Protect slopes and channels and provide energy dissipation (CASQA New Development BMP Handbook SD-10)	☒	☐	All slopes will be vegetated or properly mulched with non-organic mulch (gravel/rocks) and maintained to prevent erosion and transport of sediment. Energy dissipaters are installed at all inlets into the basin.
S7	Covered dock areas (CASQA New Development BMP Handbook SD-31)	☐	☒	Not Applicable – Loading docks are not covered

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S8	Covered maintenance bays with spill containment plans (CASQA New Development BMP Handbook SD-31)	☐	☒	Not Applicable – No maintenance bays onsite.
S9	Vehicle wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	Not Applicable – No vehicle wash areas onsite.
S10	Covered outdoor processing areas (CASQA New Development BMP Handbook SD-36)	☐	☒	Not Applicable – No outdoor processing areas onsite.
S11	Equipment wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	Not Applicable - No equipment wash area on-site.
S12	Fueling areas (CASQA New Development BMP Handbook SD-30)	☐	☒	Not Applicable - No fueling areas on-site.
S13	Hillside landscaping (CASQA New Development BMP Handbook SD-10)	☒	☐	Hillside landscaping will be vegetated and properly mulched with non-organic mulch (gravel/rocks) and maintained to prevent erosion and transport of sediment.
S14	Wash water control for food preparation areas	☐	☒	Not Applicable – No food preparation areas onsite.
S15	Community car wash racks (CASQA New Development BMP Handbook SD-33)	☐	☒	Not Applicable - No community car wash racks on-site.

4.1.2 Preventative LID Site Design Practices

Site design practices associated with new LID requirements in the MS4 Permit should be considered in the earliest phases of a project. Preventative site design practices can result in smaller DCV for LID BMP and hydromodification control BMP by reducing runoff generation. Describe site design and drainage plan including:

- A narrative of site design practices utilized or rationale for not using practices
- A narrative of how site plan incorporates preventive site design practices
- Include an attached Site Plan layout which shows how preventative site design practices are included in WQMP

Refer to Section 5.2 of the TGD for WQMP for more details.

Form 4.1-3 Preventative LID Site Design Practices Checklist

Site Design Practices *If yes, explain how preventative site design practice is addressed in project site plan. If no, other LID BMPs must be selected to meet targets*
Minimize impervious areas: Yes ☒ No ☐ Explanation: Landscaped areas are provided where practicable throughout the site, and along project frontage on Baseline Road.
Maximize natural infiltration capacity: Yes ☒ No ☐ Explanation: The underground chambers will maximize the site's natural infiltration.
Preserve existing drainage patterns and time of concentration: Yes ☒ No ☐ Explanation: Existing drainage patterns were preserved to the maximum extent practicable. The proposed site generally flows from the northwest to the southwest, similar to existing conditions.
Disconnect impervious areas: Yes ☒ No ☐ Explanation: The underground chambers will serve to disconnect impervious areas prior to discharging the site.
Protect existing vegetation and sensitive areas: Yes ☐ No ☒ Explanation: Not applicable – There are not any sensitive areas onsite. Areas that are not paved will be planted with approved landscape per the landscape plans.
Re-vegetate disturbed areas: Yes ☒ No ☐ Explanation: Landscaping will be provided in designated landscaped areas.
Minimize unnecessary compaction in stormwater retention/infiltration basin/trench areas: Yes ☒ No ☐ Explanation: Heavy construction vehicles will be prohibited from unnecessary soil compaction within the underground chamber areas.
Utilize vegetated drainage swales in place of underground piping or imperviously lined swales: Yes ☐ No ☒ Explanation: The site is mostly impervious surfaces. Stormwater runoff is captured via storm drain inlets and conveyed to underground basins via storm drain pipe.
Stake off areas that will be used for landscaping to minimize compaction during construction: Yes ☒ No ☐ Explanation: Landscape areas will be staked to minimize unnecessary compaction during construction.

4.2 Project Performance Criteria

The purpose of this section of the Project WQMP is to establish targets for post-development hydrology based on performance criteria specified in the MS4 Permit. These targets include runoff volume for water quality control (referred to as LID design capture volume), and runoff volume, time of concentration, and peak runoff for protection of any downstream waterbody segments with a HCOC. ***If the project has more than one outlet for stormwater runoff, then complete additional versions of these forms for each DA / outlet.***

Methods applied in the following forms include:

- For LID BMP Design Capture Volume (DCV), the San Bernardino County Stormwater Program requires use of the P_6 method (MS4 Permit Section XI.D.6a.ii) – Form 4.2-1
- For HCOC pre- and post-development hydrologic calculation, the San Bernardino County Stormwater Program requires the use of the Rational Method (San Bernardino County Hydrology Manual Section D). Forms 4.2-2 through Form 4.2-5 calculate hydrologic variables including runoff volume, time of concentration, and peak runoff from the project site pre- and post-development using the Hydrology Manual Rational Method approach. For projects greater than 640 acres (1.0 mi^2), the Rational Method and these forms should not be used. For such projects, the Unit Hydrograph Method (San Bernardino County Hydrology Manual Section E) shall be applied for hydrologic calculations for HCOC performance criteria.

Refer to Section 4 in the TGD for WQMP for detailed guidance and instructions.

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 1)

1 Project area BMP 1 (ft^2): 283,990	**2** Imperviousness after applying preventative site design practices (Imp%): 91	**3** Runoff Coefficient (Rc): 0.75 *$R_c = 0.858(Imp\%)^{\wedge 3}-0.78(Imp\%)^{\wedge 2}+0.774(Imp\%)+0.04$*
4 Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.657 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
5 Compute P_6, Mean 6-hr Precipitation (inches): 0.97 *P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
6 Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
7 Compute design capture volume, DCV (ft^3): 33,901 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 2)

1 Project area BMP 2 (ft^2):	2 Imperviousness after applying preventative site design practices (Imp%):	3 Runoff Coefficient (Rc): 0.84
410,738	97	*$R_c = 0.858(Imp\%)^{3}-0.78(Imp\%)^{2}+0.774(Imp\%)+0.04$*

4 Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.657 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

5 Compute P_6, Mean 6-hr Precipitation (inches): 0.97

*P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*

6 Drawdown Rate	
Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.	24-hrs ☐ 48-hrs ☒

7 Compute design capture volume, DCV (ft^3): 54,827

*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*
Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 3)

1 Project area BMP 3 (ft^2):	2 Imperviousness after applying preventative site design practices (Imp%):	3 Runoff Coefficient (Rc): 0.85
251,408	97	*$R_c = 0.858(Imp\%)^{3}-0.78(Imp\%)^{2}+0.774(Imp\%)+0.04$*

4 Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.657 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

5 Compute P_6, Mean 6-hr Precipitation (inches): 0.97

*P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*

6 Drawdown Rate	
Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.	24-hrs ☐ 48-hrs ☒

7 Compute design capture volume, DCV (ft^3): 33,912

*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*
Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DMA 4)

1 Project area BMP 4 (ft^2): 370,581	2 Imperviousness after applying preventative site design practices (Imp%): 87	3 Runoff Coefficient (Rc): 0.69 *$R_c = 0.858(Imp\%)^{3}-0.78(Imp\%)^{2}+0.774(Imp\%)+0.04$*

4 Determine 1-hour rainfall depth for a 2-year return period $P_{2yr-1hr}$ (in): 0.657 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

5 Compute P_6, Mean 6-hr Precipitation (inches): 0.97

*P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*

6 Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*	24-hrs ☐ 48-hrs ☒

7 Compute design capture volume, DCV (ft^3): 40,802

*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*
Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

Form 4.2-2 Summary of HCOC Assessment (DA 1)

Does project have the potential to cause or contribute to an HCOC in a downstream channel: Yes ☐ No ☒

Go to: http://sbcounty.permitrack.com/WAP

If "Yes", then complete HCOC assessment of site hydrology for 2yr storm event using Forms 4.2-3 through 4.2-5 and insert results below

(Forms 4.2-3 through 4.2-5 may be replaced by computer software analysis based on the San Bernardino County Hydrology Manual)

If "No," then proceed to Section 4.3 Project Conformance Analysis

Condition	Runoff Volume (ft^3)	Time of Concentration (min)	Peak Runoff (cfs)
Pre-developed	1 *Form 4.2-3 Item 12*	2 *Form 4.2-4 Item 13*	3 *Form 4.2-5 Item 10*
Post-developed	4 *Form 4.2-3 Item 13*	5 *Form 4.2-4 Item 14*	6 *Form 4.2-5 Item 14*
Difference	7 *Item 4 – Item 1*	8 *Item 2 – Item 5*	9 *Item 6 – Item 3*
Difference (as % of pre-developed)	10 % *Item 7 / Item 1*	11 % *Item 8 / Item 2*	12 % *Item 9 / Item 3*

NOT APPLICABLE

Form 4.2-3 HCOC Assessment for Runoff Volume (DA 1)

Weighted Curve Number Determination for: Pre-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1a Land Cover type								
2a Hydrologic Soil Group (HSG)								
3a DMA Area, ft² *sum of areas of DMA should equal area of DA*								
4a Curve Number (CN) *use Items 1 and 2 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*								
Weighted Curve Number Determination for: Post-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1b Land Cover type								
2b Hydrologic Soil Group (HSG)								
3b DMA Area, ft² *sum of areas of DMA should equal area of DA*								
4b Curve Number (CN) *use Items 5 and 6 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*								

NOT APPLICABLE

5 Pre-Developed area-weighted CN:	**7** Pre-developed soil storage capacity, S (in): *S = (1000 / Item 5) - 10*	**9** Initial abstraction, I_a (in): *I_a = 0.2 * Item 7*
6 Post-Developed area-weighted CN:	**8** Post-developed soil storage capacity, S (in): *S = (1000 / Item 6) - 10*	**10** Initial abstraction, I_a (in): *I_a = 0.2 * Item 8*

11 Precipitation for 2 yr, 24 hr storm (in):
Go to: http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

12 Pre-developed Volume (ft³):
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 9)^2 / ((Item 11 – Item 9 + Item 7)*

13 Post-developed Volume (ft³):
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 10)^2 / ((Item 11 – Item 10 + Item 8)*

14 Volume Reduction needed to meet HCOC Requirement, (ft³):
*V_{HCOC} = (Item 13 * 0.95) – Item 12*

Form 4.2-4 HCOC Assessment for Time of Concentration (DA 1)

Compute time of concentration for pre and post developed conditions for each DA *(For projects using the Hydrology Manual complete the form below)*

Variables	Pre-developed DA1 *Use additional forms if there are more than 4 DMA*				Post-developed DA1 *Use additional forms if there are more than 4 DMA*			
	DMA A	DMA B	DMA C	DMA D	DMA A	DMA B	DMA C	DMA D
1 Length of flowpath (ft) *Use Form 3-2 Item 5 for pre-developed condition*								
2 Change in elevation (ft)								
3 Slope (ft/ft), S_o = *Item 2 / Item 1*								
4 Land cover								
5 Initial DMA Time of Concentration (min) *Appendix C-1 of the TGD for WQMP*								
6 Length of conveyance from DMA outlet to project site outlet (ft) *May be zero if DMA outlet is at project site outlet*								
7 Cross-sectional area of channel (ft^2)								
8 Wetted perimeter of channel (ft)								
9 Manning's roughness of channel (n)								
10 Channel flow velocity (ft/sec) V_{fps} = *(1.49 / Item 9) * (Item 7/Item 8)^0.67 * (Item 3)^0.5*								
11 Travel time to outlet (min) T_t = *Item 6 / (Item 10 * 60)*								
12 Total time of concentration (min) T_c = *Item 5 + Item 11*								

13 Pre-developed time of concentration (min): *Minimum of Item 12 pre-developed DMA*

14 Post-developed time of concentration (min): *Minimum of Item 12 post-developed DMA*

15 Additional time of concentration needed to meet HCOC requirement (min): $T_{C\text{-}HCOC}$ = *(Item 13 * 0.95) – Item 14*

NOT APPLICABLE

Form 4.2-5 HCOC Assessment for Peak Runoff (DA 1)

Compute peak runoff for pre- and post-developed conditions

Variables		Pre-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*			Post-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*		
		DMA A	DMA B	DMA C	DMA A	DMA B	DMA C
1 Rainfall Intensity for storm duration equal to time of concentration I_{peak} = 10^(LOG Form 4.2-1 Item 4 - 0.6 LOG Form 4.2-4 Item 5 /60)							
2 Drainage Area of each DMA (Acres) *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*							
3 Ratio of pervious area to total area *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*							
4 Pervious area infiltration rate (in/hr) *Use pervious area CN and antecedent moisture condition with Appendix C.3 of the SGD for WQMP*							
5 Maximum loss rate (in/hr) F_m = Item 3 * Item 4 *Use area-weighted F_m from DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*							
6 Peak Flow from DMA (cfs) Q_p =Item 2 * 0.9 * (Item 1 - Item 5)							
7 Time of concentration adjustment factor for other DMA to site discharge point *Form 4.2-4 Item 12 DMA / Other DMA upstream of site discharge point (If ratio is greater than 1.0, then use maximum value of 1.0)*	DMA A	*n/a*			*n/a*		
	DMA B		*n/a*			*n/a*	
	DMA C			*n/a*			*n/a*

8 Pre-developed Q_p at T_c for DMA A: Q_p = Item 6_{DMAA} + [Item 6_{DMAB} * (Item 1_{DMAA} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAA/2}$] + [Item 6_{DMAC} * (Item 1_{DMAA} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAA/3}$]	**9** Pre-developed Q_p at T_c for DMA B: Q_p = Item 6_{DMAB} + [Item 6_{DMAA} * (Item 1_{DMAB} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAB/1}$] + [Item 6_{DMAC} * (Item 1_{DMAB} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAB/3}$]	**10** Pre-developed Q_p at T_c for DMA C: Q_p = Item 6_{DMAC} + [Item 6_{DMAA} * (Item 1_{DMAC} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAC/1}$] + [Item 6_{DMAB} * (Item 1_{DMAC} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAC/2}$]
10 Peak runoff from pre-developed condition confluence analysis (cfs):		*Maximum of Item 8, 9, and 10 (including additional forms as needed)*
11 Post-developed Q_p at T_c for DMA A: *Same as Item 8 for post-developed values*	**12** Post-developed Q_p at T_c for DMA B: *Same as Item 9 for post-developed values*	**13** Post-developed Q_p at T_c for DMA C: *Same as Item 10 for post-developed values*
14 Peak runoff from post-developed condition confluence analysis (cfs):		*Maximum of Item 11, 12, and 13 (including additional forms as needed)*
15 Peak runoff reduction needed to meet HCOC Requirement (cfs):		$Q_{p\text{-}HCOC}$ = (Item 14 * 0.95) – Item 10

NOT APPLICABLE

4.3 Project Conformance Analysis

Complete the following forms for each project site DA to document that the proposed LID BMPs conform to the project DCV developed to meet performance criteria specified in the MS4 Permit (WQMP Template Section 4.2). For the LID DCV, the forms are ordered according to hierarchy of BMP selection as required by the MS4 Permit (see Section 5.3.1 in the TGD for WQMP). The forms compute the following for on-site LID BMP:

- Site Design and Hydrologic Source Controls (Form 4.3-2)
- Retention and Infiltration (Form 4.3-3)
- Harvested and Use (Form 4.3-4) or
- Biotreatment (Form 4.3-5).

At the end of each form, additional fields facilitate the determination of the extent of mitigation provided by the specific BMP category, allowing for use of the next category of BMP in the hierarchy, if necessary.

The first step in the analysis, using Section 5.3.2.1 of the TGD for WQMP, is to complete Forms 4.3-1 and 4.3-3) to determine if retention and infiltration BMPs are infeasible for the project. For each feasibility criterion in Form 4.3-1, if the answer is "Yes," provide all study findings that includes relevant calculations, maps, data sources, etc. used to make the determination of infeasibility.

Next, complete Forms 4.3-2 and 4.3-4 to determine the feasibility of applicable HSC and harvest and use BMPs, and, if their implementation is feasible, the extent of mitigation of the DCV.

If no site constraints exist that would limit the type of BMP to be implemented in a DA, evaluate the use of combinations of LID BMPs, including all applicable HSC BMPs to maximize on-site retention of the DCV. If no combination of BMP can mitigate the entire DCV, implement the single BMP type, or combination of BMP types, that maximizes on-site retention of the DCV within the minimum effective area.

If the combination of LID HSC, retention and infiltration, and harvest and use BMPs are unable to mitigate the entire DCV, then biotreatment BMPs may be implemented by the project proponent. If biotreatment BMPs are used, then they must be sized to provide sufficient capacity for effective treatment of the remainder of the volume-based performance criteria that cannot be achieved with LID BMPs (TGD for WQMP Section 5.4.4.2). **Under no circumstances shall any portion of the DCV be released from the site without effective mitigation and/or treatment**.

Form 4.3-1 Infiltration BMP Feasibility (DMA 1)

Feasibility Criterion – Complete evaluation for each DMA on the Project Site

1 Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒

Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

2 Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒

(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than eight feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

3 Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

4 Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

5 Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

6 Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒

See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

7 Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☒

If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.

8 Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☒

If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.
If no, then proceed to Item 9, below.

9 All answers to Item 1 through Item 6 are "No":

Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Hydrologic Source Control BMP.

Form 4.3-1 Infiltration BMP Feasibility (DMA 2)

Feasibility Criterion – Complete evaluation for each DMA on the Project Site

1 Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒

Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

2 Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒

(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than eight feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

3 Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

4 Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

5 Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

6 Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒

See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

7 Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☒

If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.

8 Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☒

If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.
If no, then proceed to Item 9, below.

9 All answers to Item 1 through Item 6 are "No":

Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Hydrologic Source Control BMP.

Form 4.3-1 Infiltration BMP Feasibility (DMA 3)

Feasibility Criterion – Complete evaluation for each DMA on the Project Site

1 Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒

Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

2 Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒

(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than eight feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

3 Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

4 Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

5 Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

6 Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒

See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

7 Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☒

If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.

8 Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☒

If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.
If no, then proceed to Item 9, below.

9 All answers to Item 1 through Item 6 are "No":

Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Hydrologic Source Control BMP.

Form 4.3-1 Infiltration BMP Feasibility (DMA 4)

Feasibility Criterion – Complete evaluation for each DMA on the Project Site

1 Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒

Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

2 Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒

(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than eight feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

3 Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

4 Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

5 Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

6 Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒

See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

7 Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☒

If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.

8 Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☒

If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.
If no, then proceed to Item 9, below.

9 All answers to Item 1 through Item 6 are "No":

Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Hydrologic Source Control BMP.

Self-treating landscape/ driveway area

Sufficient right-of-way space for infiltration BMP is not available. Given that the existing sidewalk meanders through the parkway area, providing an infiltration BMP between the back of curb and sidewalk is not practicable, and would potentially create structural issues with the roadway and sidewalk sections. A majority of the area is pervious landscape so the runoff generated is considered as nuisance runoff. An infiltration BMP is not practicable in this area.

4.3.1 Site Design Hydrologic Source Control BMP

Section XI.E. of the Permit emphasizes the use of LID preventative measures; and the use of LID HSC BMPs reduces the portion of the DCV that must be addressed in downstream BMPs. Therefore, all applicable HSC shall be provided except where they are mutually exclusive with each other, or with other BMPs. Mutual exclusivity may result from overlapping BMP footprints such that either would be potentially feasible by itself, but both could not be implemented. Please note that while there are no numeric standards regarding the use of HSC, if a project cannot feasibly meet BMP sizing requirements or cannot fully address HCOCs, feasibility of all applicable HSC must be part of demonstrating that the BMP system has been designed to retain the maximum feasible portion of the DCV. Complete Form 4.3-2 to identify and calculate estimated retention volume from implementing site design HSC BMP. Refer to Section 5.4.1 in the TGD for more detailed guidance.

Form 4.3-2 Site Design Hydrologic Source Control BMPs (DA 1)

1 Implementation of Impervious Area Dispersion BMP (i.e. routing runoff from impervious to pervious areas), excluding impervious areas planned for routing to on-lot infiltration BMP: Yes ☐ No ☒ *If yes, complete Items 2-5; If no, proceed to Item 6*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Total impervious area draining to pervious area (ft^2)			
3 Ratio of pervious area receiving runoff to impervious area			
4 Retention volume achieved from impervious area dispersion (ft^3) *V = Item2 * Item 3 * (0.5/12), assuming retention of 0.5 inches of runoff*			
5 Sum of retention volume achieved from impervious area dispersion (ft^3):	$V_{retention}$ *=Sum of Item 4 for all BMPs*		
6 Implementation of Localized On-lot Infiltration BMPs (e.g. on-lot rain gardens): Yes ☐ No ☒ *If yes, complete Items 7-13 for aggregate of all on-lot infiltration BMP in each DA; If no, proceed to Item 14*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
7 Ponding surface area (ft^2)			
8 Ponding depth (ft)			
9 Surface area of amended soil/gravel (ft^2)			
10 Average depth of amended soil/gravel (ft)			
11 Average porosity of amended soil/gravel			
12 Retention volume achieved from on-lot infiltration (ft^3) $V_{retention}$ *= (Item 7 *Item 8) + (Item 9 * Item 10 * Item 11)*			
13 Runoff volume retention from on-lot infiltration (ft^3):	$V_{retention}$ *=Sum of Item 12 for all BMPs*		

NOT APPLICABLE

Form 4.3-2 cont. Site Design Hydrologic Source Control BMPs (DA 1)

14 Implementation of evapotranspiration BMP (green, brown, or blue roofs): Yes ☐ No ☒ *If yes, complete Items 15-20. If no, proceed to Item 21*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
15 Rooftop area planned for ET BMP (ft^2)			
16 Average wet season ET demand (in/day) *Use local values, typical ~ 0.1*			
17 Daily ET demand (ft^3/day) *Item 15 * (Item 16 / 12)*			
18 Drawdown time (hrs) *Copy Item 6 in Form 4.2-1*			
19 Retention Volume (ft^3) $V_{retention}$ = *Item 17 * (Item 18 / 24)*			
20 Runoff volume retention from evapotranspiration BMPs (ft^3):	$V_{retention}$ = *Sum of Item 19 for all BMPs*		
21 Implementation of Street Trees: Yes ☐ No ☒ *If yes, complete Items 22-25. If no, proceed to Item 26*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
22 Number of Street Trees			
23 Average canopy cover per impervious area (ft^2)			
24 Runoff volume retention from street trees (ft^3) $V_{retention}$ = *Item 22 * Item 23 * (0.05/12) assume runoff retention of 0.05 inches*			
25 Runoff volume retention from street tree BMPs (ft^3):	$V_{retention}$ = *Sum of Item 24 for all BMPs*		
26 Implementation of residential rain barrel/cisterns: Yes ☐ No ☒ *If yes, complete Items 27-29; If no, proceed to Item 30*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
27 Number of rain barrels/cisterns			
28 Runoff volume retention from rain barrels/cisterns (ft^3) $V_{retention}$ = *Item 27 * 3*			
29 Runoff volume retention from residential rain barrels/Cisterns (ft3):	$V_{retention}$ =*Sum of Item 28 for all BMPs*		
30 Total Retention Volume from Site Design Hydrologic Source Control BMPs:	*Sum of Items 5, 13, 20, 25 and 29*		

NOT APPLICABLE

4.3.2 Infiltration BMPs

Use Form 4.3-3 to compute on-site retention of runoff from proposed retention and infiltration BMPs. Volume retention estimates are sensitive to the percolation rate used, which determines the amount of runoff that can be infiltrated within the specified drawdown time. The infiltration safety factor reduces field measured percolation to account for potential inaccuracy associated with field measurements, declining BMP performance over time, and compaction during construction. Appendix D of the TGD for WQMP provides guidance on estimating an appropriate safety factor to use in Form 4.3-3.

If site constraints limit the use of BMPs to a single type and implementation of retention and infiltration BMPs mitigate no more than 40% of the DCV, then they are considered infeasible and the Project Proponent may evaluate the effectiveness of BMPs lower in the LID hierarchy of use (Section 5.5.1 of the TGD for WQMP)

If implementation of infiltrations BMPs is feasible as determined using Form 4.3-1, then LID infiltration BMPs shall be implemented to the MEP (section 4.1 of the TGD for WQMP).

The proposed underground chamber is sized to both infiltrate the entire design capture volume (DCV) and detain the delta 100-year design storm volume required to discharge flows at or below existing conditions. The calculations included in Form 4.3-3 show that the chamber geometry achieves the required DCV through underground storage while also satisfying the volume requirements for peak attenuation. Refer to project specific hydrology study for further information.

Form 4.3-3 Infiltration LID BMPs

1 Remaining LID DCV not met by site design HSC BMP (ft3): 163,444 Vunmet = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP) - Use additional forms for more BMPs	BMP 1 BMP Type Underground Chamber	BMP 2 BMP Type Underground Chamber	BMP 3 BMP Type Underground Chamber
2 Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	4.65 in/hr	4.65 in/hr	4.65 in/hr
3 Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	3	3	3
4 Design percolation rate (in/hr) P_{design} = *Item 2 / Item 3*	1.55 in/hr	1.55 in/hr	1.55 in/hr
5 Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48 hours	48 hours	48 hours
6 Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	5 ft	5 ft	5 ft
7 Ponding Depth (ft) d_{BMP} = *Minimum of (1/12*Item 4*Item 5) or Item 6*	4.25 ft	2.52 ft	2.52 ft
8 Infiltrating surface area, SA_{BMP} (ft^2) *the lesser of the area needed for infiltration of full DCV or minimum space requirements from Table 5.7 of the TGD for WQMP*	14,412 sf	51,069 sf	28,468 sf
9 Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	N/A	N/A	N/A
10 Amended soil porosity	N/A	N/A	N/A
11 Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	N/A	N/A	N/A
12 Gravel porosity	N/A	N/A	N/A
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	3	3	3
14 Above Ground Retention Volume (ft^3)	N/A	N/A	N/A
15 Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	53,688 ft^3	125,249 ft^3	95,359 ft^3
16 Total Retention Volume from LID Infiltration BMPs – See following page			
17 Fraction of DCV achieved with infiltration BMP: See following page			
18 Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs? Yes ☒ No ☐ *If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.*			

Form 4.3-3 Infiltration LID BMPs

1 Remaining LID DCV not met by site design HSC BMP (ft^3): 131,270 *V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30*			
BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP) - Use additional forms for more BMPs*	BMP 4 BMP Type Underground Chamber		
2 Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	4.65 in/hr		
3 Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	5		
4 Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	1.55 in/hr		
5 Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48 hours		
6 Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	4.75 ft		
7 Ponding Depth (ft) *d_{BMP} = Minimum of (1/12*Item 4*Item 5) or Item 6*	4.75 ft		
8 Infiltrating surface area, SA_{BMP} (ft^2) *the lesser of the area needed for infiltration of full DCV or minimum space requirements from Table 5.7 of the TGD for WQMP*	15,806 sf		
9 Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	N/A		
10 Amended soil porosity	N/A		
11 Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	N/A		
12 Gravel porosity	N/A		
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	3		
14 Above Ground Retention Volume (ft^3)	N/A		
15 Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	62,661 ft^3		
16 Total Retention Volume from LID Infiltration BMPs: **336,957 ft^3** (53,688 ft^3 (BMP 1), 125,249 ft^3(BMP 2), 95,359 ft^3(BMP 3) 62,661 ft^3(BMP 4))			
17 Fraction of DCV achieved with infiltration BMP: 206%			
18 Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs? Yes ☒ No ☐ *If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.*			

4.3.3 Harvest and Use BMP

Harvest and use BMP may be considered if the full LID DCV cannot be met by maximizing infiltration BMPs. Use Form 4.3-4 to compute on-site retention of runoff from proposed harvest and use BMPs.

Volume retention estimates for harvest and use BMPs are sensitive to the on-site demand for captured stormwater. Since irrigation water demand is low in the wet season, when most rainfall events occur in San Bernardino County, the volume of water that can be used within a specified drawdown period is relatively low. The bottom portion of Form 4.3-4 facilitates the necessary computations to show infeasibility if a minimum incremental benefit of 40 percent of the LID DCV would not be achievable with MEP implementation of on-site harvest and use of stormwater (Section 5.5.4 of the TGD for WQMP).

Form 4.3-4 Harvest and Use BMPs (DA 1)

1 Remaining LID DCV not met by site design HSC or infiltration BMP (ft^3): 0 *V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16*			
BMP Type(s) *Compute runoff volume retention from proposed harvest and use BMP (Select BMPs from Table 5-4 of the TGD for WQMP) - Use additional forms for more BMPs*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Describe cistern or runoff detention facility			
3 Storage volume for proposed detention type (ft^3) *Volume of cistern*			
4 Landscaped area planned for use of harvested stormwater (ft^2)			
5 Average wet season daily irrigation demand (in/day) Use local values, typical ~ 0.1 in/day			
6 Daily water demand (ft^3/day) *Item 4 * (Item 5 / 12)*			
7 Drawdown time (hrs) *Copy Item 6 from Form 4.2-1*			
8 Retention Volume (ft^3) *$V_{retention}$ = Minimum of (Item 3) or (Item 6 * (Item 7 / 24))*			
9 Total Retention Volume (ft^3) from Harvest and Use BMP *Sum of Item 8 for all harvest and use BMP included in plan*			
10 Is the full DCV retained with a combination of LID HSC, retention and infiltration, and harvest and use BMPs? Yes ☐ No ☐ *If yes, demonstrate conformance using Form 4.3-10. If no, then re-evaluate combinations of all LID BMP and optimize their implementation such that the maximum portion of the DCV is retained on-site (using a single BMP type or combination of BMP types). If the full DCV cannot be mitigated after this optimization process, proceed to Section 4.3.4.*			

NOT APPLICABLE

4.3.4 Biotreatment BMP

Biotreatment BMPs may be considered if the full LID DCV cannot be met by maximizing retention and infiltration, and harvest and use BMPs. A key consideration when using biotreatment BMP is the effectiveness of the proposed BMP in addressing the pollutants of concern for the project (see Table 5-5 of the TGD for WQMP).

Use Form 4.3-5 to summarize the potential for volume based and/or flow based biotreatment options to biotreat the remaining unmet LID DCV w. Biotreatment computations are included as follows:

- Use Form 4.3-6 to compute biotreatment in small volume based biotreatment BMP (e.g. bioretention w/underdrains);
- Use Form 4.3-7 to compute biotreatment in large volume based biotreatment BMP (e.g. constructed wetlands);
- Use Form 4.3-8 to compute sizing criteria for flow-based biotreatment BMP (e.g. bioswales)

Form 4.3-5 Selection and Evaluation of Biotreatment BMP (DA 1)

1 Remaining LID DCV not met by site design HSC, infiltration, or harvest and use BMP for potential biotreatment (ft^3): 0 *Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16- Form 4.3-4 Item 9*	List pollutants of concern *Copy from Form 2.3-1.*	
2 Biotreatment BMP Selected *(Select biotreatment BMP(s) necessary to ensure all pollutants of concern are addressed through Unit Operations and Processes, described in Table 5-5 of the TGD for WQMP)*	Volume-based biotreatment *Use Forms 4.3-6 and 4.3-7 to compute treated volume*	Flow-based biotreatment *Use Form 4.3-8 to compute treated volume*
	☐ Bioretention with underdrain ☐ Planter box with underdrain ☐ Constructed wetlands ☐ Wet extended detention ☐ Dry extended detention	☐ Vegetated swale ☐ Vegetated filter strip ☐ Proprietary biotreatment
3 Volume biotreated in volume based biotreatment BMP (ft^3): *Form 4.3-6 Item 15 + Form 4.3-7 Item 13*	4 Compute remaining LID DCV with implementation of volume based biotreatment BMP (ft^3): *Item 1 – Item 3*	5 Remaining fraction of LID DCV for sizing flow based biotreatment BMP: % *Item 4 / Item 1*
6 Flow-based biotreatment BMP capacity provided (cfs): *Use Figure 5-2 of the TGD for WQMP to determine flow capacity required to provide biotreatment of remaining percentage of unmet LID DCV (Item 5), for the project's precipitation zone (Form 3-1 Item 1)*		
7 Metrics for MEP determination: • Provided a WQMP with the portion of site area used for suite of LID BMP equal to minimum thresholds in Table 5-7 of the TGD for WQMP for the proposed category of development: ☐ *If maximized on-site retention BMPs is feasible for partial capture, then LID BMP implementation must be optimized to retain and infiltrate the maximum portion of the DCV possible within the prescribed minimum effective area. The remaining portion of the DCV shall then be mitigated using biotreatment BMP.*		

NOT APPLICABLE

Form 4.3-6 Volume Based Biotreatment (DA 1) – Bioretention and Planter Boxes with Underdrains

Biotreatment BMP Type *(Bioretention w/underdrain, planter box w/underdrain, other comparable BMP)*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
1 Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*			
2 Amended soil infiltration rate *Typical ~ 5.0*			
3 Amended soil infiltration safety factor *Typical ~ 2.0*			
4 Amended soil design percolation rate (in/hr) P_{design} = *Item 2 / Item 3*			
5 Ponded water drawdown time (hr) *Copy Item 6 from Form 4.2-1*			
6 Maximum ponding depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
7 Ponding Depth (ft) *= Minimum of (1/12 * Item 4 * Item 5) or Item 6*			
8 Amended soil surface area (ft^2)			
9 Amended soil depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
10 Amended soil porosity, *n*			
11 Gravel depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
12 Gravel porosity, *n*			
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*			
14 Biotreated Volume (ft^3) $V_{biotreated}$ = *Item 8 * [(Item 7/2) + (Item 9 * Item 10) +(Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*			
15 Total biotreated volume from bioretention and/or planter box with underdrains BMP: *Sum of Item 14 for all volume-based BMPs included in this form*			

NOT APPLICABLE

Form 4.3-7 Volume Based Biotreatment (DA 1) – Constructed Wetlands and Extended Detention

Biotreatment BMP Type *Constructed wetlands, extended wet detention, extended dry detention, or other comparable proprietary BMP. If BMP includes multiple modules (e.g. forebay and main basin), provide separate estimates for storage and pollutants treated in each module.*	DA DMA BMP Type		DA DMA BMP Type *(Use additional forms for more BMPs)*	
	Forebay	Basin	Forebay	Basin
1 Pollutants addressed with BMP forebay and basin *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*				
2 Bottom width (ft)				
3 Bottom length (ft)				
4 Bottom area (ft^2) A_{bottom} = *Item 2 * Item 3*				
5 Side slope (ft/ft)				
6 Depth of storage (ft)				
7 Water surface area (ft^2) $A_{surface}$ =*(Item 2 + (2 * Item 5 * Item 6)) * (Item 3 + (2 * Item 5 * Item 6))*				
8 Storage volume (ft^3) For BMP with a forebay, ensure fraction of total storage is within ranges specified in BMP specific fact sheets, see Table 5-6 of the TGD for WQMP for reference to BMP design details V =*Item 6 / 3 * [Item 4 + Item 7 + (Item 4 * Item 7)^0.5]*				
9 Drawdown Time (hrs) *Copy Item 6 from Form 2.1*				
10 Outflow rate (cfs) Q_{BMP} = *(Item $8_{forebay}$ + Item 8_{basin}) / (Item 9 * 3600)*				
11 Duration of design storm event (hrs)				
12 Biotreated Volume (ft^3) $V_{biotreated}$ = *(Item $8_{forebay}$ + Item 8_{basin}) +(Item 10 * Item 11 * 3600)*				
13 Total biotreated volume from constructed wetlands, extended dry detention, or extended wet detention : *(Sum of Item 12 for all BMP included in plan)*				

NOT APPLICABLE

Form 4.3-8 Flow Based Biotreatment (DA 1)

Biotreatment BMP Type *Vegetated swale, vegetated filter strip, or other comparable proprietary BMP*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
1 Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in TGD Table 5-5*			
2 Flow depth for water quality treatment (ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
3 Bed slope (ft/ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
4 Manning's roughness coefficient			
5 Bottom width (ft) b_w = *(Form 4.3-5 Item 6 * Item 4)^0.6 / (1.49 * Item 2^1.67 * Item 3^0.5)*			
6 Side Slope (ft/ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
7 Cross sectional area (ft^2) *A = (Item 5 * Item 2) + (Item 6 * Item 2^2)*			
8 Water quality flow velocity (ft/sec) *V = Form 4.3-5 Item 6 / Item 7*			
9 Hydraulic residence time (min) *Pollutant specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
10 Length of flow based BMP (ft) *L = Item 8 * Item 9 * 60*			
11 Water surface area at water quality flow depth (ft^2) SA_{top} = *(Item 5 + (2 * Item 2 * Item 6)) * Item 10*			

NOT APPLICABLE

4.3.5 Conformance Summary

Complete Form 4.3-9 to demonstrate how on-site LID DCV is met with proposed site design hydrologic source control, infiltration, harvest and use, and/or biotreatment BMP. The bottom line of the form is used to describe the basis for infeasibility determination for on-site LID BMP to achieve full LID DCV, and provides methods for computing remaining volume to be addressed in an alternative compliance plan. If the project has more than one outlet, then complete additional versions of this form for each outlet.

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate

1 Total LID DCV for the Project (ft^3): 163,444 *Copy Item 7 in Form 4.2-1*

2 On-site retention with site design hydrologic source control LID BMP (ft^3): 0 *Copy Item 30 in Form 4.3-2*

3 On-site retention with LID infiltration BMP (ft^3): 336,957 *Copy Item 16 in Form 4.3-3*

4 On-site retention with LID harvest and use BMP (ft^3): 0 *Copy Item 9 in Form 4.3-4*

5 On-site biotreatment with volume based biotreatment BMP (ft^3): 0 *Copy Item 3 in Form 4.3-5*

6 Flow capacity provided by flow based biotreatment BMP (cfs): 0 *Copy Item 6 in Form 4.3-5*

7 LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP: Yes ☒ No ☐
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV: Yes ☐ No ☒
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV: Yes ☐ No ☒
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

8 If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

- Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture: ☐
  Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*
- An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility: ☐
  Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

4.3.6 Hydromodification Control BMP

Use Form 4.3-10 to compute the remaining runoff volume retention, after LID BMP are implemented, needed to address HCOC, and the increase in time of concentration and decrease in peak runoff necessary to meet targets for protection of waterbodies with a potential HCOC. Describe hydromodification control BMP that address HCOC, which may include off-site BMP and/or in-stream controls. Section 5.6 of the TGD for WQMP provides additional details on selection and evaluation of hydromodification control BMP.

Form 4.3-10 Hydromodification Control BMPs (DA 1)

1 Volume reduction needed for HCOC performance criteria (ft^3): *(Form 4.2-2 Item 4 * 0.95) – Form 4.2-2 Item 1*	**2** On-site retention with site design hydrologic source control, infiltration, and harvest and use LID BMP (ft^3): *Sum of Form 4.3-9 Items 2, 3, and 4 Evaluate option to increase implementation of on-site retention in Forms 4.3-2, 4.3-3, and 4.3-4 in excess of LID DCV toward achieving HCOC volume reduction*
3 Remaining volume for HCOC volume capture (ft^3): *Item 1 – Item 2*	**4** Volume capture provided by incorporating additional on-site or off-site retention BMPs (ft^3): *Existing downstream BMP may be used to demonstrate additional volume capture (if so, attach to this WQMP a hydrologic analysis showing how the additional volume would be retained during a 2-yr storm event for the regional watershed)*

5 If Item 4 is less than Item 3, incorporate in-stream controls on downstream waterbody segment to prevent impacts due to hydromodification ☐ *Attach in-stream control BMP selection and evaluation to this WQMP*

6 Is Form 4.2-2 Item 11 less than or equal to 5%: Yes ☐ No ☐

If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate increase in time of concentration achieved by proposed LID site design, LID BMP, and additional on-site or off-site retention BMP ☐
  BMP upstream of a waterbody segment with a potential HCOC may be used to demonstrate increased time of concentration through hydrograph attenuation (if so, show that the hydraulic residence time provided in BMP for a 2-year storm event is equal or greater than the additional time of concentration requirement in Form 4.2-4 Item 15)
- Increase time of concentration by preserving pre-developed flow path and/or increase travel time by reducing slope and increasing cross sectional area and roughness for proposed on-site conveyance facilities ☐
- Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California ☐

7 Form 4.2-2 Item 12 less than or equal to 5%: Yes ☐ No ☐

If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate reduction in peak runoff achieved by proposed LID site design, LID BMPs, and additional on-site or off-site retention BMPs ☐
  BMPs upstream of a waterbody segment with a potential HCOC may be used to demonstrate additional peak runoff reduction through hydrograph attenuation (if so, attach to this WQMP, a hydrograph analysis showing how the peak runoff would be reduced during a 2-yr storm event)
- Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California ☐

NOT APPLICABLE

4.4 Alternative Compliance Plan (if applicable)

Describe an alternative compliance plan (if applicable) for projects not fully able to infiltrate, harvest and use, or biotreat the DCV via on-site LID practices. A project proponent must develop an alternative compliance plan to address the remainder of the LID DCV. Depending on project type some projects may qualify for water quality credits that can be applied to reduce the DCV that must be treated prior to development of an alternative compliance plan (see Form 2.4-1, Water Quality Credits). Form 4.3-9 Item 8 includes instructions on how to apply water quality credits when computing the DCV that must be met through alternative compliance. Alternative compliance plans may include one or more of the following elements:

- On-site structural treatment control BMP - All treatment control BMP should be located as close to possible to the pollutant sources and should not be located within receiving waters;
- Off-site structural treatment control BMP - Pollutant removal should occur prior to discharge of runoff to receiving waters;
- Urban runoff fund or In-lieu program, if available

Depending upon the proposed alternative compliance plan, approval by the executive officer may or may not be required (see Section 6 of the TGD for WQMP).

Section 5 Inspection and Maintenance Responsibility for Post Construction BMP

All BMP included as part of the project WQMP are required to be maintained through regular scheduled inspection and maintenance (refer to Section 8, Post Construction BMP Requirements, in the TGD for WQMP). Fully complete Form 5-1 summarizing all BMP included in the WQMP. Attach additional forms as needed. The WQMP shall also include a detailed Operation and Maintenance Plan for all BMP and may require a Maintenance Agreement (consult the jurisdiction's LIP). If a Maintenance Agreement is required, it must also be attached to the WQMP.

Form 5-1 BMP Inspection and Maintenance (use additional forms as necessary)

BMP	Responsible Party(s)	Inspection/ Maintenance Activities Required	Minimum Frequency of Activities
Underground Chambers (BMPs 1, 2, 3, 4)	Owner	Trash, debris and sediment must be removed and disposed of per local jurisdiction requirements. The sump manhole shall be cleaned of all debris, silt and trash when the capacity has reached 75% of the total depth to maintain clear flow from inlet and outlet pipe. BMPs shall be inspected for the presence of standing water more than 48 hours after the end of runoff.	Inspection and maintenance required after every rain event greater than 0.5 inches. Inspections should occur on a regular interval to ensure optimum performance

Section 6 WQMP Attachments

6.1. Site Plan and Drainage Plan

Include a site plan and drainage plan sheet set containing the following minimum information:

- Project location
- Site boundary
- Land uses and land covers, as applicable
- Suitability/feasibility constraints
- Structural Source Control BMP locations
- Site Design Hydrologic Source Control BMP locations
- LID BMP details
- Drainage delineations and flow information
- Drainage connections

See Appendix A for WQMP Exhibits and BMP Design Details

6.2 Electronic Data Submittal

Minimum requirements include submittal of PDF exhibits in addition to hard copies. Format must not require specialized software to open. If the local jurisdiction requires specialized electronic document formats (as described in their Local Implementation Plan), this section will describe the contents (e.g., layering, nomenclature, geo-referencing, etc.) of these documents so that they may be interpreted efficiently and accurately.

6.3 Post Construction

Attach all O&M Plans and Maintenance Agreements for BMP to the WQMP.

See Appendix D for BMP O&M

6.4 Other Supporting Documentation

- BMP Educational Materials
- Activity Restriction – C, C&R's & Lease Agreements

See Appendix B for BMP Educational Materials
See Appendix C for WQMP Agreement
See Appendix E for Geotechnical Report
See Appendix F for Hydromodification Exemption Documentation

APPENDIX A

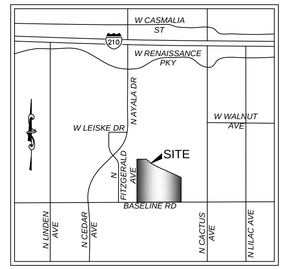
WQMP SITE PLAN EXHIBIT AND BMP CALCULATIONS

UNDERGROUND CHAMBER

DMA/BMP ID	DESIGN CAPTURE VOLUME (CU FT)	PROPOSED CAPTURE VOLUME (CU FT)
1	33,901	53,688
2	54,827	125,249
3	33,912	95,359
4	40,802	62,661

SELF TREATING AREAS (LANDSCAPED)

DMA ID	TOTAL AREA (SQ FT)
5	8,610
6	24,318
7	27,106



LEGEND

DX.XX / XX — DA ID / DA ACREAGE

- BASIN BOUNDARY
- FLOW DIRECTION
- SD — PROP. STORM DRAIN
- PROPERTY LINE
- CENTERLINE
- PROP. STORM DRAIN GRATED INLET
- PROP. STORM DRAIN MANHOLE
- PROP. STORM DRIAN CURB INLET
- UNDERGROUND CHAMBERS
- LANDSCAPE AREA
- BUILDING AREA
- OUTLET/DISCHARGE LOCATION

SITE INFORMATION

SITE AREA:	31.6 AC
SOIL TYPE:	A
EXIST. LAND USE:	AIRPORT-RELATED PLANNED INDUSTRIAL DEVELOPMENT
PROP. LAND USE:	AIRPORT-RELATED PLANNED INDUSTRIAL DEVELOPMENT
PROP. BMP:	UNDERGROUND CHAMBERS

JERRY EAVES PARK

PROPOSED FACILITY
434,315 SF

PROPOSED FACILITY
244,682 SF

DMA1 6.5 · DMA2 9.6 · DMA3 5.9 · DMA4 8.4 · DMA5 0.2 · DMA6 0.6 · DMA7 0.6

UNDERGROUND CHAMBERS (BMP 1)
UNDERGROUND CHAMBERS (BMP 2)
UNDERGROUND CHAMBERS (BMP 3)
UNDERGROUND CHAMBERS (BMP 4)

APN 0264-213-36-0000
APN 0264-213-37-0000
APN 0264-213-38-0000
APN 0264-213-39-0000
APN 0264-213-40-0000
APN 0264-213-41-0000
APN 0264-213-48-0000
APN 0264-213-50-0000
APN 0264-213-17-0000

FITZGERALD AVE

BASELINE RD

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT EASEMENT RECORDED 12/30/1946 IN BOOK 1974 PAGE 227 OF OFFICIAL RECORDS

EXISTING INLETS

OUTLET 1

EXISTING INLETS

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

No.	REVISIONS	DATE	BY

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

KHA PROJECT #195195001
DATE 1/20/2020
SCALE AS SHOWN
DESIGNED BY EL
DRAWN BY EL
CHECKED BY EDC

PPD #XXXX-XXXX

OLIVE GROVE BUSINESS PARK
CITY OF RIALTO, CA

PWQMP EXHIBIT

BASELINE RD
RIALTO, CA

SHEET NUMBER
1 OF 1

Plotted By:Abais, Kay Sheet Set:Kha Layout:Layout1 January 20, 2020 05:04:21pm \\Sndfp01\co_snd1\SND_LDEV\195195001 – Crow Holdings – Olive Grove Rialto\Storm Water\Exhibit\Crow WQMP.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Table of Contents

BMP 1 (IN)

Level Pool Pond Routing Summary 1

BMP 2 (IN)

Level Pool Pond Routing Summary 2

BMP 3 (IN)

Level Pool Pond Routing Summary 3

BMP 4 (IN)

Level Pool Pond Routing Summary 4

Subsection: Level Pool Pond Routing Summary
Label: BMP 1 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.52 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,364.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	20.88 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	0.52 ft³/s	Time to Peak (Infiltration)	1.750 hours
Flow (Peak Outlet)	13.44 ft³/s	Time to Peak (Flow, Outlet)	16.300 hours

Elevation (Water Surface, Peak)	1,370.17 ft
Volume (Peak)	53,687.581 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	149,707.000 ft³
Volume (Total Infiltration)	43,569.000 ft³
Volume (Total Outlet Outflow)	62,453.000 ft³
Volume (Retained)	43,664.000 ft³
Volume (Unrouted)	-21.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: BMP 2 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.83 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	35.17 ft³/s	Time to Peak (Flow, In)	16.300 hours
Infiltration (Peak)	1.83 ft³/s	Time to Peak (Infiltration)	9.150 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	1,368.48 ft
Volume (Peak)	125,249.476 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	265,830.000 ft³
Volume (Total Infiltration)	143,805.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	122,024.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: BMP 3 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.02 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,365.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	31.12 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	1.02 ft³/s	Time to Peak (Infiltration)	7.900 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	1,370.23 ft
Volume (Peak)	95,359.288 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	176,001.000 ft³
Volume (Total Infiltration)	82,280.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	93,721.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: BMP 4 (IN)

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.57 ft³/s

Initial Conditions	
Elevation (Water Surface, Initial)	1,356.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	26.99 ft³/s	Time to Peak (Flow, In)	16.200 hours
Infiltration (Peak)	0.57 ft³/s	Time to Peak (Infiltration)	1.450 hours
Flow (Peak Outlet)	19.05 ft³/s	Time to Peak (Flow, Outlet)	16.250 hours

Elevation (Water Surface, Peak)	1,362.99 ft
Volume (Peak)	62,661.387 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	188,716.000 ft³
Volume (Total Infiltration)	47,988.000 ft³
Volume (Total Outlet Outflow)	94,880.000 ft³
Volume (Retained)	45,834.000 ft³
Volume (Unrouted)	-15.000 ft³
Error (Mass Balance)	0.0 %

APPENDIX B

EDUCATIONAL MATERIALS

EPA
United States
Environmental Protection
Agency

EPA 841-F-03-003

Protecting Water Quality *from* URBAN RUNOFF

Clean Water Is Everybody's Business

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?

How Urbanized Areas Affect Water Quality

Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

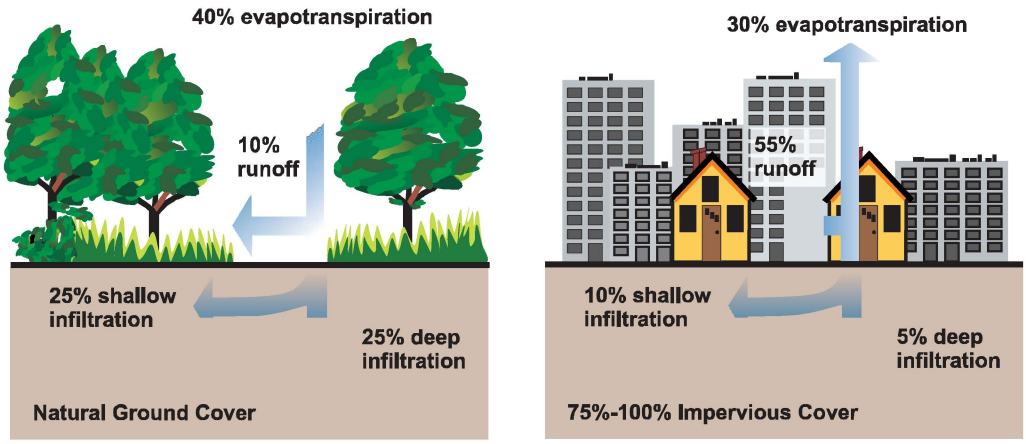
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts
- Heavy metals from roof shingles, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.



Relationship between impervious cover and surface runoff. Impervious cover in a watershed results in increased surface ruunoff. As little as 10 percent impervious cover in a watershed can result in stream degradation.

Managing Urban Runoff

What Homeowners Can Do

To decrease polluted runoff from paved surfaces, households can develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns. Homeowners can use fertilizers sparingly and sweep driveways, sidewalks, and roads instead of using a hose. Instead of disposing of yard waste, they can use the materials to start a compost pile. And homeowners can learn to use Integrated Pest Management (IPM) to reduce dependence on harmful pesticides.

In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target "hot spots" of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety, and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved "don't dump" messages.

Related Publications

Turn Your Home into a Stormwater Pollution Solution!
www.epa.gov/nps

This web site links to an EPA homeowner's guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

National Management Measures to Control Nonpoint Source Pollution from Urban Areas
www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

Onsite Wastewater Treatment System Resources
www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

Low Impact Development Center
www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

Stormwater Manager's Resource Center (SMRC)
www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

Strategies: Community Responses to Runoff Pollution
www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps

February 2003

STORMWATER Pollution Prevention

Important Phone Numbers

San Bernardino County Flood Control
(909) 387-8112

County of San Bernardino
(909) 387-8109

City of Big Bear Lake
(909) 866-5831

City of Chino (909) 591-9850

City of Chino Hills (909) 364-2722

City of Colton (909) 370-6128

City of Fontana (909) 350-6772

City of Grand Terrace
(909) 824-6671 x 226

City of Highland (909) 864-8732 x 230

City of Loma Linda (909) 799-4405

City of Montclair (909) 625-9470

City of Ontario (909) 395-2025

City of Rancho Cucamonga
(909) 477-2740 x 4063

City of Redlands (909) 798-7655

City of Rialto (909) 421-4921

City of San Bernardino (909) 384-5154

City of Upland (909) 931-4370

City of Yucaipa (909) 797-2489 x 243

San Bernardino County
Stormwater Program
825 East Third Street • Room 201
San Bernardino, CA 94215-0835

STORMWATER Pollution Prevention

INDUSTRIAL AND COMMERCIAL FACILITIES

STORMWATER Pollution Prevention

To reduce the amount of pollutants reaching our storm drain system, which leads to the Santa Ana River and Pacific Ocean, the San Bernardino County Stormwater Program has developed Best Management Practices (BMPs) for Industrial and Commercial Facilities. City and County ordinances require that businesses comply with these BMPs, where applicable, to protect local water quality. Local cities and the County are required to verify implementation of these BMPs by performing regular facility inspections.

Prohibited Discharges

- Discontinue all non-stormwater discharges to the storm drain system. It is prohibited to discharge any chemicals, wastes or wastewater into the gutter, street or storm drain.

Outdoor Storage

- Install covers and secondary containment areas for all hazardous materials and wastes stored outdoors in accordance with County and/or City standards.
- Keep all temporary waste containers covered, except when in direct use.
- Sweep outdoor areas instead of using a hose or pressure washer.

Outdoor Processes

- Move all process operations including vehicle and equipment maintenance inside of the building or into a covered and contained area.
- Wash equipment and vehicles in a contained and covered wash bay which is closed-loop or connected to a clarifier sized to city standards, then discharged to a sanitary sewer or take them to a commercial car wash.

Spills and Clean Ups

- Clean up spills immediately when they occur, using dry clean up methods such as absorbent materials and followed by proper disposal of materials.
- Always have a spill kit available near chemical loading dock doors, vehicle maintenance and fueling areas.
- Follow your Business Emergency Plan, as filed with the County Fire Department at (909) 386-8401.

Industrial and Commercial Facilities

- Report all prohibited discharges and non-implementation of BMPs to your local Stormwater Coordinator either at (800) CLEANUP or as listed at www.sbcounty.gov/stormwater.
- Report hazardous materials spills to (800) 33 TOXIC and your local Fire Department Hazmat Team at 911.

Training

Train employees in spill response procedures and prohibited discharges to the storm drain system, as prescribed in your local Stormwater Ordinance and in applicable Best Management Practices available at www.cabmphandbooks.com and www. sbcounty.gov/stormwater.

Permitting

Stormwater discharges associated with specific categories of commercial and industrial facilities are regulated by the State Water Resources Control Board (SWRCB) through an Industrial Storm Water General Permit. A copy of the General Permit and application forms are available at: www.waterboards.ca.gov/stormwtr/industrial.html

To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP

or visit our websites at:

www.sbcounty.gov/stormwater

www.1800cleanup.org

Prevención de Contaminación
AL SISTEMA DE DRENAJE

Números de Teléfono Importantes

San Bernardino County Flood Control
(909) 387-8112

County of San Bernardino
(909) 387-8109

City of Big Bear Lake
(909) 866-5831

City of Chino (909) 591-9850

City of Chino Hills (909) 364-2722

City of Colton (909) 370-6128

City of Fontana (909) 350-6772

City of Grand Terrace
(909) 824-6671 x 226

City of Highland (909) 864-8732 x 230

City of Loma Linda (909) 799-4405

City of Montclair (909) 625-9470

City of Ontario (909) 395-2025

City of Rancho Cucamonga
(909) 477-2740 x 4063

City of Redlands (909) 798-7655

City of Rialto (909) 421-4921

City of San Bernardino (909) 384-5154

City of Upland (909) 931-4370

City of Yucaipa (909) 797-2489 x 243

San Bernardino County
Stormwater Program
825 East Third Street • Room 201
San Bernardino, CA 94215-0835

Prevención de Contaminación
AL SISTEMA DE DRENAJE

INSTALACIONES INDUSTRIALES Y COMERCIALES

Prevención de Contaminación
AL SISTEMA DE DRENAJE

Para reducir la cantidad de contaminantes que alcanzan nuestro sistema de aguas pluviales, las cuales desembocan en el Río Santa Ana y el Océano Pacífico, el Programa del Condado de San Bernandino ha desarrollado las pautas de Mejores Prácticas de Manejo (BMPs, por sus siglas en inglés) para instalaciones industriales y comerciales. Los decretos de la ciudad y del condado establecen que todas las empresas deben de cumplir con estas BMPs, cuando corresponda, para proteger la calidad del agua local. Las ciudades locales y el condado tienen la obligación de verificar la implementación de estas BMPs al llevar a cabo inspecciones regulares en sus instalaciones.

Desagües Prohibidos

- Descontinúe todo desagüe de aguas no pluviales al sistema de drenaje de aguas pluviales. Está prohibido descargar cualquier sustancia química, residuo o agua residual a los drenajes de la cuneta, de la calle o de aguas pluviales.

Almacenamiento al Aire Libre

- Instale cubiertas y áreas de retención secundarias para todos los materiales peligrosos y residuos almacenados al aire libre, estas instalaciones deberán de cumplir con los estándares establecidos por el condado y/o la ciudad.
- Mantenga todos los recipientes temporales de residuos cubiertos, con la excepción de cuando se estén utilizando directamente.
- Barra todas las áreas al aire libre en lugar de usar una manguera o un equipo de limpieza con agua a alta presión.

Procesos al Aire Libre

- Reubique todos los procesos u operaciones, incluyendo el mantenimiento de vehículos y equipo, dentro de un edificio en una área cubierta e independiente.
- Lave el equipo y los vehículos en una fosa de lavado independiente que tenga un anillo cerrado o bien, esté conectada a un clarificador del tamaño de los estándares municipales, luego elimine los residuos en un drenaje sanitario o llévelos a un lavador de carros comercial.

Derrames y Limpieza

- Limpie los derrames inmediatamente, utilice métodos de limpieza en seco como son el uso de materiales absorbentes y elimine estos materiales de la manera adecuada.
- Siempre tenga a la mano un estuche para derrames cerca de las puertas de los muelles de carga de sustancias químicas, en las áreas de mantenimiento de vehículos y en las áreas de combustible.
- Siga su Plan de Emergencia Comercial, como lo registró con el Departamento de Bomberos del Condado marcando al (909) 386-8401.
- Reporte todos los desagües prohibidos y cualquier punto no implementado de las BMPs a su coordinador local de Aguas Pluviales llamando al (800) CLEANUP o como se indica en el enlace www.sbcounty.gov/stormwater.
- Reporte cualquier derrame peligroso al (800) 33 TOXIC y al equipo Hazmat de su departamento local de bomberos marcando al 911.

Instalaciones Industriales y Comerciales

Capacitación

Capacite a los empleados sobre los procedimientos de respuesta ante un derrame y los desagües prohibidos al sistema de aguas pluviales, como lo indica el decreto local de aguas pluviales de Mejores Prácticas de Manejo (BMPs) disponibles en el sitio www.cabmphandbooks.com y www.sbcounty.gov/stormwater.

Autoridad Competente

Los desagües de aguas pluviales relacionados con categorías específicas de instalaciones comerciales e industriales están regulados por la Junta Estatal de Control de Recursos Acuáticos (State Water Resources Control Board, SWRCB) a través de un permiso industrial general de aguas pluviales. Para obtener una copia de este permiso general y una solicitud, visite el sitio: www.waterboards.ca.gov/stormwtr/industrial.html

Para reportar el desagüe de residuos ilegales o para obtener información adicional sobre la prevención de contaminación a las aguas pluviales, llame a:

1 (800) CLEANUP

o visite nuestro sitio:

www.sbcounty.gov/stormwater

www.1800cleanup.org

San Bernardino County STORMWATER PROGRAM

LANDSCAPE MAINTENANCE

DISCHARGE TO THE STORM DRAIN, **ACCIDENTAL OR NOT**, COULD LEAD TO ENFORCEMENT ACTIONS, WHICH COULD INCLUDE FINES.

Follow the best practices below to **prevent water pollution from landscaping activities.**

RECYCLE YARD WASTE

- Recycle leaves, grass clippings and other yard waste.
- Do not blow, sweep, rake or hose yard waste into the street or catch basin.
- **Try grasscycling:** the natural recycling of grass by leaving clippings on the lawn when mowing.

  For more information, please visit: **www.calrecycle.ca.gov/organics/grasscycling**

USE FERTILIZERS, HERBICIDES AND PESTICIDES SAFELY

- Fertilizers, herbicides and pesticides are often carried into the storm drain system by sprinkler runoff. Use natural and non-toxic alternatives as often as possible.
- If you must use chemical fertilizers, herbicides or pesticides:
  - Spot apply, rather than blanketing entire areas.
  - Avoid applying near curbs and driveways, and **never** before a rain.
  - Apply fertilizers as needed: when plants could best use it and when the potential runoff would be low.
  - Follow the manufacturer's instructions carefully—this will not only give the best results, but will save money.

USE WATER WISELY

- Control the amount of water and direction of sprinklers. Sprinklers should only be on long enough to allow water to soak into the ground, but not so long as to cause runoff.
- Periodically inspect, fix leaks and realign sprinkler heads.
- Plant native vegetation to reduce the need of water, fertilizers, herbicides and pesticides.

HOMEOWNERS

KEEP THESE TIPS IN MIND WHEN HIRING PROFESSIONAL LANDSCAPERS AND REMIND AS NECESSARY.

Leftover pesticides, fertilizers, and herbicides contaminate landfills and should be disposed of through a Hazardous Waste Facility.

For more information on proper disposal call,

(909) 382-5401 or 1-800-OILY CAT.

*FREE for San Bernardino County residents only. Businesses can call for cost inquiries and to schedule an appointment.

To report illegal dumping, call (877) WASTE18 or visit sbcountystormwater.org
To report toxic spills, call 1(800) 33 TOXIC
To dispose of hazardous waste, call 1(800) OILY CAT

sbcountystormwater.org

Big Bear • Chino • Chino Hills • Colton • Fontana • Grand Terrace • Highland • Loma Linda • Montclair • Ontario • Rancho Cucamonga
Redlands • Rialto • San Bernardino • San Bernardino County • San Bernardino County Flood Control District • Upland • Yucaipa

MANTENIMIENTO DE JARDINERÍA

LAS DESCARGAS A LOS DESAGUES PLUVIALES, DE MANERA ACCIDENTAL O NO, PUEDEN INDUCIR A LA APLICACIÓN DE MULTAS Y OTRAS MEDIDAS.

Siga las mejores prácticas descritas debajo para evitar la contaminación del agua por actividades de jardinería.

RECICLAJE DE LOS DESECHOS DE JARDÍN

- Reciclar las hojas, recortes de césped y otros desechos de jardín.
- No soplar, barrer, o usar la manguera para empujar los desechos de jardín a la calle.
- **Poner a prueba el reciclaje de césped (grasscycling): la manera natural de reciclar el césped dejando los recortes sobre el césped cuando son cortados. Para más información, visite la página web: www.calrecycle.ca.gov/organics/grasscycling**

USAR FERTILIZANTES, HERBICIDAS Y PESTICIDAS DE MANERA SEGURA

- Los fertilizantes, herbicidas y pesticidas son arrastrados con frecuencia hacia el sistema de desagüe pluvial mediante el escurrimiento de los rociadores. Use alternativas naturales no tóxicas siempre que sea posible.
- Si tiene que usar fertilizantes, herbicidas o pesticidas químicos:
  Aplicar solo en el sitio necesario, en lugar de cubrir todas las áreas.
  Evitar aplicar cerca de los bordillos y las calzadas, y nunca antes de que llueva.
  Aplicar los fertilizantes cuando sea necesario: esto es, cuando las plantas mejor podrían usarlo y el posible escurrimiento sea bajo.
  Seguir las instrucciones del fabricante cuidadosamente – esto no solo le proporcionará los mejores resultados, pero le permitirá ahorrar dinero.

USAR EL AGUA DE MANERA PRUDENTE

- Controlar la cantidad de agua y la orientación de los rociadores. Los rociadores deben ser **solo lo suficientemente largos como para** permitir que el agua remoje el suelo, pero no tan largos que causen un escurrimiento.
- Inspeccione, repare los escapes y alinee los aspersores periódicamente.
- Siembre plantas nativas para reducir el uso de agua, fertilizantes, herbicidas y pesticidas.

PROPIETARIOS DE HOGARES

Tengan en cuenta estos consejos cuando contraten a paisajistas profesionales y recuérdenselos según sea necesario.

Los sobrantes de pesticidas, fertilizantes y herbicidas contaminan los vertederos y deben ser desechados a través de Plantas de Tratamiento para Residuos Peligrosos.

Para más información sobre el manejo adecuado de residuos peligrosos, llame a **(909) 382-5401 o 1-800-OILY CAT.**

*GRATIS únicamente para los residentes del Condado de San Bernardino. Las empresas pueden llamar para indagar sobre los costos y concertar una cita

Para denunciar el vertido ilegal de basura, llame al (877) WASTE18 o visite sbcountystormwater.org
Para denunciar derrames tóxicos, llame al 1(800) 33 TOXIC
Para desechar residuos peligrosos, llame al 1(800) OILY CAT

sbcountystormwater.org

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Building & Grounds Maintenance SC-41

Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

Targeted Constituents

Sediment	✓
Nutrients	✓
Trash	
Metals	✓
Bacteria	✓
Oil and Grease	
Organics	

Description

Stormwater runoff from building and grounds maintenance activities can be contaminated with toxic hydrocarbons in solvents, fertilizers and pesticides, suspended solids, heavy metals, abnormal pH, and oils and greases. Utilizing the protocols in this fact sheet will prevent or reduce the discharge of pollutants to stormwater from building and grounds maintenance activities by washing and cleaning up with as little water as possible, following good landscape management practices, preventing and cleaning up spills immediately, keeping debris from entering the storm drains, and maintaining the stormwater collection system.

Approach

Reduce potential for pollutant discharge through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

Pollution Prevention

Switch to non-toxic chemicals for maintenance when possible.

Choose cleaning agents that can be recycled.

Encourage proper lawn management and landscaping, including use of native vegetation.

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Encourage use of Integrated Pest Management techniques for pest control.

Encourage proper onsite recycling of yard trimmings.

Recycle residual paints, solvents, lumber, and other material as much as possible.

Suggested Protocols

Pressure Washing of Buildings, Rooftops, and Other Large Objects

In situations where soaps or detergents are used and the surrounding area is paved, pressure washers must use a water collection device that enables collection of wash water and associated solids. A sump pump, wet vacuum or similarly effective device must be used to collect the runoff and loose materials. The collected runoff and solids must be disposed of properly.

If soaps or detergents are not used, and the surrounding area is paved, wash runoff does not have to be collected but must be screened. Pressure washers must use filter fabric or some other type of screen on the ground and/or in the catch basin to trap the particles in wash water runoff.

If you are pressure washing on a grassed area (with or without soap), runoff must be dispersed as sheet flow as much as possible, rather than as a concentrated stream. The wash runoff must remain on the grass and not drain to pavement.

Landscaping Activities

Dispose of grass clippings, leaves, sticks, or other collected vegetation as garbage, or by composting. Do not dispose of collected vegetation into waterways or storm drainage systems.

Use mulch or other erosion control measures on exposed soils.

Building Repair, Remodeling, and Construction

Do not dump any toxic substance or liquid waste on the pavement, the ground, or toward a storm drain.

Use ground or drop cloths underneath outdoor painting, scraping, and sandblasting work, and properly dispose of collected material daily.

Use a ground cloth or oversized tub for activities such as paint mixing and tool cleaning.

Clean paintbrushes and tools covered with water-based paints in sinks connected to sanitary sewers or in portable containers that can be dumped into a sanitary sewer drain. Brushes and tools covered with non-water-based paints, finishes, or other materials must be cleaned in a manner that enables collection of used solvents (e.g., paint thinner, turpentine, etc.) for recycling or proper disposal.

Use a storm drain cover, filter fabric, or similarly effective runoff control mechanism if dust, grit, wash water, or other pollutants may escape the work area and enter a catch basin. This is particularly necessary on rainy days. The containment device(s) must be in place at the beginning of the work day, and accumulated dirty runoff and solids must be collected and disposed of before removing the containment device(s) at the end of the work day.

If you need to de-water an excavation site, you may need to filter the water before discharging to a catch basin or off-site. If directed off-site, you should direct the water through hay bales and filter fabric or use other sediment filters or traps.

Store toxic material under cover during precipitation events and when not in use. A cover would include tarps or other temporary cover material.

Mowing, Trimming, and Planting

Dispose of leaves, sticks, or other collected vegetation as garbage, by composting or at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.

Use mulch or other erosion control measures when soils are exposed.

Place temporarily stockpiled material away from watercourses and drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.

Consider an alternative approach when bailing out muddy water: do not put it in the storm drain; pour over landscaped areas.

Use hand weeding where practical.

Fertilizer and Pesticide Management

Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.

Use less toxic pesticides that will do the job when applicable. Avoid use of copper-based pesticides if possible.

Do not use pesticides if rain is expected.

Do not mix or prepare pesticides for application near storm drains.

Use the minimum amount needed for the job.

Calibrate fertilizer distributors to avoid excessive application.

Employ techniques to minimize off-target application (e.g., spray drift) of pesticides, including consideration of alternative application techniques.

Apply pesticides only when wind speeds are low.

Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.

Irrigate slowly to prevent runoff and then only as much as is needed.

Clean pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.

Dispose of empty pesticide containers according to the instructions on the container label.

Use up the pesticides. Rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.

Implement storage requirements for pesticide products with guidance from the local fire department and County Agricultural Commissioner. Provide secondary containment for pesticides.

Inspection

Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering and repair leaks in the irrigation system as soon as they are observed.

Training

Educate and train employees on pesticide use and in pesticide application techniques to prevent pollution.

Train employees and contractors in proper techniques for spill containment and cleanup.

Be sure the frequency of training takes into account the complexity of the operations and the nature of the staff.

Spill Response and Prevention

Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.

Place a stockpile of spill cleanup materials, such as brooms, dustpans, and vacuum sweepers (if desired) near the storage area where it will be readily accessible.

Have employees trained in spill containment and cleanup present during the loading/unloading of dangerous wastes, liquid chemicals, or other materials.

Familiarize employees with the Spill Prevention Control and Countermeasure Plan.

Clean up spills immediately.

Other Considerations

Alternative pest/weed controls may not be available, suitable, or effective in many cases.

Requirements

Costs

Cost will vary depending on the type and size of facility.

Overall costs should be low in comparison to other BMPs.

Maintenance

Sweep paved areas regularly to collect loose particles. Wipe up spills with rags and other absorbent material immediately, do not hose down the area to a storm drain.

Supplemental Information

Further Detail of the BMP

Fire Sprinkler Line Flushing

Building fire sprinkler line flushing may be a source of non-stormwater runoff pollution. The water entering the system is usually potable water, though in some areas it may be non-potable reclaimed wastewater. There are subsequent factors that may drastically reduce the quality of the water in such systems. Black iron pipe is usually used since it is cheaper than potable piping, but it is subject to rusting and results in lower quality water. Initially, the black iron pipe has an oil coating to protect it from rusting between manufacture and installation; this will contaminate the water from the first flush but not from subsequent flushes. Nitrates, poly-phosphates and other corrosion inhibitors, as well as fire suppressants and antifreeze may be added to the sprinkler water system. Water generally remains in the sprinkler system a long time (typically a year) and between flushes may accumulate iron, manganese, lead, copper, nickel, and zinc. The water generally becomes anoxic and contains living and dead bacteria and breakdown products from chlorination. This may result in a significant BOD problem and the water often smells. Consequently dispose fire sprinkler line flush water into the sanitary sewer. Do not allow discharge to storm drain or infiltration due to potential high levels of pollutants in fire sprinkler line water.

References and Resources

California's Nonpoint Source Program Plan http://www.swrcb.ca.gov/nps/index.html

Clark County Storm Water Pollution Control Manual
http://www.co.clark.wa.us/pubworks/bmpman.pdf

King County Storm Water Pollution Control Manual http://dnr.metrokc.gov/wlr/dss/spcm.htm

Mobile Cleaners Pilot Program: Final Report. 1997. Bay Area Stormwater Management Agencies Association (BASMAA). http://www.basmaa.org/

Pollution from Surface Cleaning Folder. 1996. Bay Area Stormwater Management Agencies Association (BASMAA). http://www.basmaa.org/

Santa Clara Valley Urban Runoff Pollution Prevention Program http://www.scvurppp.org

The Storm Water Managers Resource Center http://www.stormwatercenter.net/

Parking/Storage Area Maintenance SC-43

Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

Targeted Constituents

Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	☑
Oil and Grease	☑
Organics	☑
Oxygen Demanding	☑

Description

Parking lots and storage areas can contribute a number of substances, such as trash, suspended solids, hydrocarbons, oil and grease, and heavy metals that can enter receiving waters through stormwater runoff or non-stormwater discharges. The following protocols are intended to prevent or reduce the discharge of pollutants from parking/storage areas and include using good housekeeping practices, following appropriate cleaning BMPs, and training employees.

Approach

Pollution Prevention

- Encourage alternative designs and maintenance strategies for impervious parking lots. (See New Development and Redevelopment BMP Handbook).
- Keep accurate maintenance logs to evaluate BMP implementation.

Suggested Protocols

General

- Keep the parking and storage areas clean and orderly. Remove debris in a timely fashion.
- Allow sheet runoff to flow into biofilters (vegetated strip and swale) and/or infiltration devices.
- Utilize sand filters or oleophilic collectors for oily waste in low concentrations.

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- Arrange rooftop drains to prevent drainage directly onto paved surfaces.
- Design lot to include semi-permeable hardscape.

Controlling Litter

- Post "No Littering" signs and enforce anti-litter laws.
- Provide an adequate number of litter receptacles.
- Clean out and cover litter receptacles frequently to prevent spillage.
- Provide trash receptacles in parking lots to discourage litter.
- Routinely sweep, shovel and dispose of litter in the trash.

Surface cleaning

- Use dry cleaning methods (e.g. sweeping or vacuuming) to prevent the discharge of pollutants into the stormwater conveyance system.
- Establish frequency of public parking lot sweeping based on usage and field observations of waste accumulation.
- Sweep all parking lots at least once before the onset of the wet season.
- If water is used follow the procedures below:
  - Block the storm drain or contain runoff.
  - Wash water should be collected and pumped to the sanitary sewer or discharged to a pervious surface, do not allow wash water to enter storm drains.
  - Dispose of parking lot sweeping debris and dirt at a landfill.
- When cleaning heavy oily deposits:
  - Use absorbent materials on oily spots prior to sweeping or washing.
  - Dispose of used absorbents appropriately.

Surface Repair

- Pre-heat, transfer or load hot bituminous material away from storm drain inlets.
- Apply concrete, asphalt, and seal coat during dry weather to prevent contamination form contacting stormwater runoff.
- Cover and seal nearby storm drain inlets (with waterproof material or mesh) and manholes before applying seal coat, slurry seal, etc., where applicable. Leave covers in place until job is complete and until all water from emulsified oil sealants has drained or evaporated. Clean any debris from these covered manholes and drains for proper disposal.

- Use only as much water as necessary for dust control, to avoid runoff.
- Catch drips from paving equipment that is not in use with pans or absorbent material placed under the machines. Dispose of collected material and absorbents properly.

Inspection

- Have designated personnel conduct inspections of the parking facilities and stormwater conveyance systems associated with them on a regular basis.
- Inspect cleaning equipment/sweepers for leaks on a regular basis.

Training

- Provide regular training to field employees and/or contractors regarding cleaning of paved areas and proper operation of equipment.
- Train employees and contractors in proper techniques for spill containment and cleanup.

Spill Response and Prevention

- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Keep your Spill Prevention Control and countermeasure (SPCC) plan up-to-date, nad implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

Other Considerations

- Limitations related to sweeping activities at large parking facilities may include high equipment costs, the need for sweeper operator training, and the inability of current sweeper technology to remove oil and grease.

Requirements

Costs

Cleaning/sweeping costs can be quite large, construction and maintenance of stormwater structural controls can be quite expensive as well.

Maintenance

- Sweep parking lot to minimize cleaning with water.
- Clean out oil/water/sand separators regularly, especially after heavy storms.
- Clean parking facilities on a regular basis to prevent accumulated wastes and pollutants from being discharged into conveyance systems during rainy conditions.

Supplemental Information

Further Detail of the BMP

Surface Repair

Apply concrete, asphalt, and seal coat during dry weather to prevent contamination form contacting stormwater runoff. Where applicable, cover and seal nearby storm drain inlets (with waterproof material or mesh) and manholes before applying seal coat, slurry seal, etc. Leave covers in place until job is complete and until all water from emulsified oil sealants has drained or evaporated. Clean any debris from these covered manholes and drains for proper disposal. Use only as much water as necessary for dust control, to avoid runoff.

References and Resources

http://www.stormwatercenter.net/

California's Nonpoint Source Program Plan http://www.swrcb.ca.gov/nps/index.html

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality control Board. July 1998 (Revised February 2002 by the California Coastal Commission).

Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp

Oregon Association of Clean Water Agencies. Oregon Municipal Stormwater Toolbox for Maintenance Practices. June 1998.

Pollution from Surface Cleaning Folder. 1996. Bay Area Stormwater Management Agencies Association (BASMAA) http://www.basma.org

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program (URMP)
http://www.projectcleanwater.org/pdf/Model%20Program%20Municipal%20Facilities.pdf

Landscape Maintenance SC-73

Objectives

- Contain
- Educate
- Reduce/Minimize
- Product Substitution

Targeted Constituents

Sediment	☑
Nutrients	☑
Trash	☑
Metals	
Bacteria	
Oil and Grease	
Organics	
Oxygen Demanding	☑

Description

Landscape maintenance activities include vegetation removal; herbicide and insecticide application; fertilizer application; watering; and other gardening and lawn care practices. Vegetation control typically involves a combination of chemical (herbicide) application and mechanical methods. All of these maintenance practices have the potential to contribute pollutants to the storm drain system. The major objectives of this BMP are to minimize the discharge of pesticides, herbicides and fertilizers to the storm drain system and receiving waters; prevent the disposal of landscape waste into the storm drain system by collecting and properly disposing of clippings and cuttings, and educating employees and the public.

Approach

Pollution Prevention

- Implement an integrated pest management (IPM) program. IPM is a sustainable approach to managing pests by combining biological, cultural, physical, and chemical tools.
- Choose low water using flowers, trees, shrubs, and groundcover.
- Consider alternative landscaping techniques such as naturescaping and xeriscaping.
- Conduct appropriate maintenance (i.e. properly timed fertilizing, weeding, pest control, and pruning) to help preserve the landscapes water efficiency.

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- Consider grass cycling (grass cycling is the natural recycling of grass by leaving the clippings on the lawn when mowing. Grass clippings decompose quickly and release valuable nutrients back into the lawn).

Suggested Protocols

Mowing, Trimming, and Weeding

- Whenever possible use mechanical methods of vegetation removal (e.g mowing with tractor-type or push mowers, hand cutting with gas or electric powered weed trimmers) rather than applying herbicides. Use hand weeding where practical.
- Avoid loosening the soil when conducting mechanical or manual weed control, this could lead to erosion. Use mulch or other erosion control measures when soils are exposed.
- Performing mowing at optimal times. Mowing should not be performed if significant rain events are predicted.
- Mulching mowers may be recommended for certain flat areas. Other techniques may be employed to minimize mowing such as selective vegetative planting using low maintenance grasses and shrubs.
- Collect lawn and garden clippings, pruning waste, tree trimmings, and weeds. Chip if necessary, and compost or dispose of at a landfill (see waste management section of this fact sheet).
- Place temporarily stockpiled material away from watercourses, and berm or cover stockpiles to prevent material releases to storm drains.

Planting

- Determine existing native vegetation features (location, species, size, function, importance) and consider the feasibility of protecting them. Consider elements such as their effect on drainage and erosion, hardiness, maintenance requirements, and possible conflicts between preserving vegetation and the resulting maintenance needs.
- Retain and/or plant selected native vegetation whose features are determined to be beneficial, where feasible. Native vegetation usually requires less maintenance (e.g., irrigation, fertilizer) than planting new vegetation.
- Consider using low water use groundcovers when planting or replanting.

Waste Management

- Compost leaves, sticks, or other collected vegetation or dispose of at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.
- Place temporarily stockpiled material away from watercourses and storm drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.
- Reduce the use of high nitrogen fertilizers that produce excess growth requiring more frequent mowing or trimming.

- Avoid landscape wastes in and around storm drain inlets by either using bagging equipment or by manually picking up the material.

Irrigation

- Where practical, use automatic timers to minimize runoff.
- Use popup sprinkler heads in areas with a lot of activity or where there is a chance the pipes may be broken. Consider the use of mechanisms that reduce water flow to sprinkler heads if broken.
- Ensure that there is no runoff from the landscaped area(s) if re-claimed water is used for irrigation.
- If bailing of muddy water is required (e.g. when repairing a water line leak), do not put it in the storm drain; pour over landscaped areas.
- Irrigate slowly or pulse irrigate to prevent runoff and then only irrigate as much as is needed.
- Apply water at rates that do not exceed the infiltration rate of the soil.

Fertilizer and Pesticide Management

- Utilize a comprehensive management system that incorporates integrated pest management (IPM) techniques. There are many methods and types of IPM, including the following:
  - Mulching can be used to prevent weeds where turf is absent, fencing installed to keep rodents out, and netting used to keep birds and insects away from leaves and fruit.
  - Visible insects can be removed by hand (with gloves or tweezers) and placed in soapy water or vegetable oil. Alternatively, insects can be sprayed off the plant with water or in some cases vacuumed off of larger plants.
  - Store-bought traps, such as species-specific, pheromone-based traps or colored sticky cards, can be used.
  - Slugs can be trapped in small cups filled with beer that are set in the ground so the slugs can get in easily.
  - In cases where microscopic parasites, such as bacteria and fungi, are causing damage to plants, the affected plant material can be removed and disposed of (pruning equipment should be disinfected with bleach to prevent spreading the disease organism).
  - Small mammals and birds can be excluded using fences, netting, tree trunk guards.
  - Beneficial organisms, such as bats, birds, green lacewings, ladybugs, praying mantis, ground beetles, parasitic nematodes, trichogramma wasps, seed head weevils, and spiders that prey on detrimental pest species can be promoted.
- Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.

- Use pesticides only if there is an actual pest problem (not on a regular preventative schedule).
- Do not use pesticides if rain is expected. Apply pesticides only when wind speeds are low (less than 5 mph).
- Do not mix or prepare pesticides for application near storm drains.
- Prepare the minimum amount of pesticide needed for the job and use the lowest rate that will effectively control the pest.
- Employ techniques to minimize off-target application (e.g. spray drift) of pesticides, including consideration of alternative application techniques.
- Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.
- Calibrate fertilizer and pesticide application equipment to avoid excessive application.
- Periodically test soils for determining proper fertilizer use.
- Sweep pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.
- Purchase only the amount of pesticide that you can reasonably use in a given time period (month or year depending on the product).
- Triple rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.
- Dispose of empty pesticide containers according to the instructions on the container label.

Inspection

- Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering, and repair leaks in the irrigation system as soon as they are observed.
- Inspect pesticide/fertilizer equipment and transportation vehicles daily.

Training

- Educate and train employees on use of pesticides and in pesticide application techniques to prevent pollution. Pesticide application must be under the supervision of a California qualified pesticide applicator.
- Train/encourage municipal maintenance crews to use IPM techniques for managing public green areas.
- Annually train employees within departments responsible for pesticide application on the appropriate portions of the agency's IPM Policy, SOPs, and BMPs, and the latest IPM techniques.

- Employees who are not authorized and trained to apply pesticides should be periodically (at least annually) informed that they cannot use over-the-counter pesticides in or around the workplace.
- Use a training log or similar method to document training.

Spill Response and Prevention

- Refer to SC-11, Spill Prevention, Control & Cleanup
- Have spill cleanup materials readily available and in a know in location
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

Other Considerations

- The Federal Pesticide, Fungicide, and Rodenticide Act and California Title 3, Division 6, Pesticides and Pest Control Operations place strict controls over pesticide application and handling and specify training, annual refresher, and testing requirements. The regulations generally cover: a list of approved pesticides and selected uses, updated regularly; general application information; equipment use and maintenance procedures; and record keeping. The California Department of Pesticide Regulations and the County Agricultural Commission coordinate and maintain the licensing and certification programs. All public agency employees who apply pesticides and herbicides in "agricultural use" areas such as parks, golf courses, rights-of-way and recreation areas should be properly certified in accordance with state regulations. Contracts for landscape maintenance should include similar requirements.
- All employees who handle pesticides should be familiar with the most recent material safety data sheet (MSDS) files.
- Municipalities do not have the authority to regulate the use of pesticides by school districts, however the California Healthy Schools Act of 2000 (AB 2260) has imposed requirements on California school districts regarding pesticide use in schools. Posting of notification prior to the application of pesticides is now required, and IPM is stated as the preferred approach to pest management in schools.

Requirements

Costs

Additional training of municipal employees will be required to address IPM techniques and BMPs. IPM methods will likely increase labor cost for pest control which may be offset by lower chemical costs.

Maintenance

Not applicable

Supplemental Information

Further Detail of the BMP

Waste Management

Composting is one of the better disposal alternatives if locally available. Most municipalities either have or are planning yard waste composting facilities as a means of reducing the amount of waste going to the landfill. Lawn clippings from municipal maintenance programs as well as private sources would probably be compatible with most composting facilities

Contractors and Other Pesticide Users

Municipal agencies should develop and implement a process to ensure that any contractor employed to conduct pest control and pesticide application on municipal property engages in pest control methods consistent with the IPM Policy adopted by the agency. Specifically, municipalities should require contractors to follow the agency's IPM policy, SOPs, and BMPs; provide evidence to the agency of having received training on current IPM techniques when feasible; provide documentation of pesticide use on agency property to the agency in a timely manner.

References and Resources

King County Stormwater Pollution Control Manual. Best Management Practices for Businesses. 1995. King County Surface Water Management. July. On-line: http://dnr.metrokc.gov/wlr/dss/spcm.htm

Los Angeles County Stormwater Quality Model Programs. Public Agency Activities http://ladpw.org/wmd/npdes/model_links.cfm

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

Orange County Stormwater Program http://www.ocwatersheds.com/StormWater/swp_introduction.asp

Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.

United States Environmental Protection Agency (USEPA). 2002. Pollution Prevention/Good Housekeeping for Municipal Operations Landscaping and Lawn Care. Office of Water. Office of Wastewater Management. On-line: http://www.epa.gov/npdes/menuofbmps/poll_8.htm

Drainage System Maintenance SC-74

Photo Credit: Geoff Brosseau

Objectives

- Contain
- Educate
- Reduce/Minimize

Description

As a consequence of its function, the stormwater conveyance system collects and transports urban runoff that may contain certain pollutants. Maintaining catch basins, stormwater inlets, and other stormwater conveyance structures on a regular basis will remove pollutants, prevent clogging of the downstream conveyance system, restore catch basins' sediment trapping capacity, and ensure the system functions properly hydraulically to avoid flooding.

Targeted Constituents

Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	☑
Oil and Grease	☑
Organics	☑
Oxygen Demanding	☑

Approach

Suggested Protocols

Catch Basins/Inlet Structures

- Municipal staff should regularly inspect facilities to ensure the following:
  - Immediate repair of any deterioration threatening structural integrity.
  - Cleaning before the sump is 40% full. Catch basins should be cleaned as frequently as needed to meet this standard.
  - Stenciling of catch basins and inlets (see SC-75 Waste Handling and Disposal).
- Clean catch basins, storm drain inlets, and other conveyance structures in high pollutant load areas just before the wet season to remove sediments and debris accumulated during the summer.

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- Conduct inspections more frequently during the wet season for problem areas where sediment or trash accumulates more often. Clean and repair as needed.
- Keep accurate logs of the number of catch basins cleaned.
- Record the amount of waste collected.
- Store wastes collected from cleaning activities of the drainage system in appropriate containers or temporary storage sites in a manner that prevents discharge to the storm drain.
- Dewater the wastes with outflow into the sanitary sewer if permitted. Water should be treated with an appropriate filtering device prior to discharge to the sanitary sewer. If discharge to the sanitary sewer is not allowed, water should be pumped or vacuumed to a tank and properly disposed of. Do not dewater near a storm drain or stream.
- Except for small communities with relatively few catch basins that may be cleaned manually, most municipalities will require mechanical cleaners such as eductors, vacuums, or bucket loaders.

Storm Drain Conveyance System

- Locate reaches of storm drain with deposit problems and develop a flushing schedule that keeps the pipe clear of excessive buildup.
- Collect flushed effluent and pump to the sanitary sewer for treatment.

Pump Stations

- Clean all storm drain pump stations prior to the wet season to remove silt and trash.
- Do not allow discharge from cleaning a storm drain pump station or other facility to reach the storm drain system.
- Conduct quarterly routine maintenance at each pump station.
- Inspect, clean, and repair as necessary all outlet structures prior to the wet season.
- Sample collected sediments to determine if landfill disposal is possible, or illegal discharges in the watershed are occurring.

Open Channel

- Consider modification of storm channel characteristics to improve channel hydraulics, to increase pollutant removals, and to enhance channel/creek aesthetic and habitat value.
- Conduct channel modification/improvement in accordance with existing laws. Any person, government agency, or public utility proposing an activity that will change the natural (emphasis added) state of any river, stream, or lake in California, must enter into a steam or Lake Alteration Agreement with the Department of Fish and Game. The developer-applicant should also contact local governments (city, county, special districts), other state agencies

(SWRCB, RWQCB, Department of Forestry, Department of Water Resources), and Federal Corps of Engineers and USFWS

Illicit Connections and Discharges

- During routine maintenance of conveyance system and drainage structures field staff should look for evidence of illegal discharges or illicit connections:
  - Is there evidence of spills such as paints, discoloring, etc.
  - Are there any odors associated with the drainage system
  - Record locations of apparent illegal discharges/illicit connections
  - Track flows back to potential dischargers and conduct aboveground inspections. This can be done through visual inspection of up gradient manholes or alternate techniques including zinc chloride smoke testing, fluorometric dye testing, physical inspection testing, or television camera inspection.
  - Once the origin of flow is established, require illicit discharger to eliminate the discharge.
- Stencil storm drains, where applicable, to prevent illegal disposal of pollutants. Storm drain inlets should have messages such as "Dump No Waste Drains to Stream" stenciled next to them to warn against ignorant or intentional dumping of pollutants into the storm drainage system.
- Refer to fact sheet SC-10 Non-Stormwater Discharges.

Illegal Dumping

- Regularly inspect and clean up hot spots and other storm drainage areas where illegal dumping and disposal occurs.
- Establish a system for tracking incidents. The system should be designed to identify the following:
  - Illegal dumping hot spots
  - Types and quantities (in some cases) of wastes
  - Patterns in time of occurrence (time of day/night, month, or year)
  - Mode of dumping (abandoned containers, "midnight dumping" from moving vehicles, direct dumping of materials, accidents/spills)
  - Responsible parties
- Post "No Dumping" signs in problem areas with a phone number for reporting dumping and disposal. Signs should also indicate fines and penalties for illegal dumping.
- Refer to fact sheet SC-10 Non-Stormwater Discharges.

- The State Department of Fish and Game has a hotline for reporting violations called Cal TIP (1-800-952-5400). The phone number may be used to report any violation of a Fish and Game code (illegal dumping, poaching, etc.).
- The California Department of Toxic Substances Control's Waste Alert Hotline, 1-800-69TOXIC, can be used to report hazardous waste violations.

Training

- Train crews in proper maintenance activities, including record keeping and disposal.
- Only properly trained individuals are allowed to handle hazardous materials/wastes.
- Train municipal employees from all departments (public works, utilities, street cleaning, parks and recreation, industrial waste inspection, hazardous waste inspection, sewer maintenance) to recognize and report illegal dumping.
- Train municipal employees and educate businesses, contractors, and the general public in proper and consistent methods for disposal.
- Train municipal staff regarding non-stormwater discharges (See SC-10 Non-Stormwater Discharges).

Spill Response and Prevention

- Refer to SC-11, Prevention, Control & Cleanup
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

Other Considerations

- Cleanup activities may create a slight disturbance for local aquatic species. Access to items and material on private property may be limited. Trade-offs may exist between channel hydraulics and water quality/riparian habitat. If storm channels or basins are recognized as wetlands, many activities, including maintenance, may be subject to regulation and permitting.
- Storm drain flushing is most effective in small diameter pipes (36-inch diameter pipe or less, depending on water supply and sediment collection capacity). Other considerations associated with storm drain flushing may include the availability of a water source, finding a downstream area to collect sediments, liquid/sediment disposal, and disposal of flushed effluent to sanitary sewer may be prohibited in some areas.
- Regulations may include adoption of substantial penalties for illegal dumping and disposal.
- Municipal codes should include sections prohibiting the discharge of soil, debris, refuse, hazardous wastes, and other pollutants into the storm drain system.
- Private property access rights may be needed to track illegal discharges up gradient.

- Requirements of municipal ordinance authority for suspected source verification testing for illicit connections necessary for guaranteed rights of entry.

Requirements

Costs

- An aggressive catch basin cleaning program could require a significant capital and O&M budget. A careful study of cleaning effectiveness should be undertaken before increased cleaning is implemented. Catch basin cleaning costs are less expensive if vacuum street sweepers are available; cleaning catch basins manually can cost approximately twice as much as cleaning the basins with a vacuum attached to a sweeper.

- Methods used for illicit connection detection (smoke testing, dye testing, visual inspection, and flow monitoring) can be costly and time-consuming. Site-specific factors, such as the level of impervious area, the density and ages of buildings, and type of land use will determine the level of investigation necessary. Encouraging reporting of illicit discharges by employees can offset costs by saving expense on inspectors and directing resources more efficiently. Some programs have used funds available from "environmental fees" or special assessment districts to fund their illicit connection elimination programs.

Maintenance

- Two-person teams may be required to clean catch basins with vactor trucks.

- Identifying illicit discharges requires teams of at least two people (volunteers can be used), plus administrative personnel, depending on the complexity of the storm sewer system.

- Arrangements must be made for proper disposal of collected wastes.

- Requires technical staff to detect and investigate illegal dumping violations, and to coordinate public education.

Supplemental Information

Further Detail of the BMP

Storm Drain flushing

Sanitary sewer flushing is a common maintenance activity used to improve pipe hydraulics and to remove pollutants in sanitary sewer systems. The same principles that make sanitary sewer flushing effective can be used to flush storm drains. Flushing may be designed to hydraulically convey accumulated material to strategic locations, such as to an open channel, to another point where flushing will be initiated, or over to the sanitary sewer and on to the treatment facilities, thus preventing re-suspension and overflow of a portion of the solids during storm events. Flushing prevents "plug flow" discharges of concentrated pollutant loadings and sediments. The deposits can hinder the designed conveyance capacity of the storm drain system and potentially cause backwater conditions in severe cases of clogging.

Storm drain flushing usually takes place along segments of pipe with grades that are too flat to maintain adequate velocity to keep particles in suspension. An upstream manhole is selected to place an inflatable device that temporarily plugs the pipe. Further upstream, water is pumped into the line to create a flushing wave. When the upstream reach of pipe is sufficiently full to

cause a flushing wave, the inflated device is rapidly deflated with the assistance of a vacuum pump, releasing the backed up water and resulting in the cleaning of the storm drain segment.

To further reduce the impacts of stormwater pollution, a second inflatable device, placed well downstream, may be used to re-collect the water after the force of the flushing wave has dissipated. A pump may then be used to transfer the water and accumulated material to the sanitary sewer for treatment. In some cases, an interceptor structure may be more practical or required to re-collect the flushed waters.

It has been found that cleansing efficiency of periodic flush waves is dependent upon flush volume, flush discharge rate, sewer slope, sewer length, sewer flow rate, sewer diameter, and population density. As a rule of thumb, the length of line to be flushed should not exceed 700 feet. At this maximum recommended length, the percent removal efficiency ranges between 65-75 percent for organics and 55-65 percent for dry weather grit/inorganic material. The percent removal efficiency drops rapidly beyond that. Water is commonly supplied by a water truck, but fire hydrants can also supply water. To make the best use of water, it is recommended that reclaimed water be used or that fire hydrant line flushing coincide with storm drain flushing.

Flow Management

Flow management has been one of the principal motivations for designing urban stream corridors in the past. Such needs may or may not be compatible with the stormwater quality goals in the stream corridor.

Downstream flood peaks can be suppressed by reducing through flow velocity. This can be accomplished by reducing gradient with grade control structures or increasing roughness with boulders, dense vegetation, or complex banks forms. Reducing velocity correspondingly increases flood height, so all such measures have a natural association with floodplain open space. Flood elevations laterally adjacent to the stream can be lowered by increasing through flow velocity.

However, increasing velocity increases flooding downstream and inherently conflicts with channel stability and human safety. Where topography permits, another way to lower flood elevation is to lower the level of the floodway with drop structures into a large but subtly excavated bowl where flood flows we allowed to spread out.

Stream Corridor Planning

Urban streams receive and convey stormwater flows from developed or developing watersheds. Planning of stream corridors thus interacts with urban stormwater management programs. If local programs are intended to control or protect downstream environments by managing flows delivered to the channels, then it is logical that such programs should be supplemented by management of the materials, forms, and uses of the downstream riparian corridor. Any proposal for steam alteration or management should be investigated for its potential flow and stability effects on upstream, downstream, and laterally adjacent areas. The timing and rate of flow from various tributaries can combine in complex ways to alter flood hazards. Each section of channel is unique, influenced by its own distribution of roughness elements, management activities, and stream responses.

Flexibility to adapt to stream features and behaviors as they evolve must be included in stream reclamation planning. The amenity and ecology of streams may be enhanced through the landscape design options of 1) corridor reservation, 2) bank treatment, 3) geomorphic restoration, and 4) grade control.

Corridor reservation - Reserving stream corridors and valleys to accommodate natural stream meandering, aggradation, degradation, and over bank flows allows streams to find their own form and generate less ongoing erosion. In California, open stream corridors in recent urban developments have produced recreational open space, irrigation of streamside plantings, and the aesthetic amenity of flowing water.

Bank treatment - The use of armoring, vegetative cover, and flow deflection may be used to influence a channel's form, stability, and biotic habitat. To prevent bank erosion, armoring can be done with rigid construction materials, such as concrete, masonry, wood planks and logs, riprap, and gabions. Concrete linings have been criticized because of their lack of provision of biotic habitat. In contrast, riprap and gabions make relatively porous and flexible linings. Boulders, placed in the bed reduce velocity and erosive power.

Riparian vegetation can stabilize the banks of streams that are at or near a condition of equilibrium. Binding networks of roots increase bank shear strength. During flood flows, resilient vegetation is forced into erosion-inhibiting mats. The roughness of vegetation leads to lower velocity, further reducing erosive effects. Structural flow deflection can protect banks from erosion or alter fish habitat. By concentrating flow, a deflector causes a pool to be scoured in the bed.

Geomorphic restoration – Restoration refers to alteration of disturbed streams so their form and behavior emulate those of undisturbed streams. Natural meanders are retained, with grading to gentle slopes on the inside of curves to allow point bars and riffle-pool sequences to develop. Trees are retained to provide scenic quality, biotic productivity, and roots for bank stabilization, supplemented by plantings where necessary.

A restorative approach can be successful where the stream is already approaching equilibrium. However, if upstream urbanization continues new flow regimes will be generated that could disrupt the equilibrium of the treated system.

Grade Control - A grade control structure is a level shelf of a permanent material, such as stone, masonry, or concrete, over which stream water flows. A grade control structure is called a sill, weir, or drop structure, depending on the relation of its invert elevation to upstream and downstream channels.

A sill is installed at the preexisting channel bed elevation to prevent upstream migration of nick points. It establishes a firm base level below which the upstream channel can not erode.

A weir or check dam is installed with invert above the preexisting bed elevation. A weir raises the local base level of the stream and causes aggradation upstream. The gradient, velocity, and erosive potential of the stream channel are reduced. A drop structure lowers the downstream invert below its preexisting elevation, reducing downstream gradient and velocity. Weirs and drop structure control erosion by dissipating energy and reducing slope velocity.

When carefully applied, grade control structures can be highly versatile in establishing human and environmental benefits in stabilized channels. To be successful, application of grade control structures should be guided by analysis of the stream system both upstream and downstream from the area to he reclaimed.

Examples

The California Department of Water Resources began the Urban Stream Restoration Program in 1985. The program provides grant funds to municipalities and community groups to implement stream restoration projects. The projects reduce damages from streambank aid watershed instability arid floods while restoring streams' aesthetic, recreational, and fish and wildlife values.

In Buena Vista Park, upper floodway slopes are gentle and grassed to achieve continuity of usable park land across the channel of small boulders at the base of the slopes.

The San Diego River is a large, vegetative lined channel, which was planted in a variety of species to support riparian wildlife while stabilizing the steep banks of the floodway.

References and Resources

Ferguson, B.K. 1991. Urban Stream Reclamation, p. 324-322, Journal of Soil and Water Conservation.

Los Angeles County Stormwater Quality. Public Agency Activities Model Program. On-line: http://ladpw.org/wmd/npdes/public_TC.cfm

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp

Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program (URMP) Municipal Activities Model Program Guidance. 2001. Project Clean Water. November.

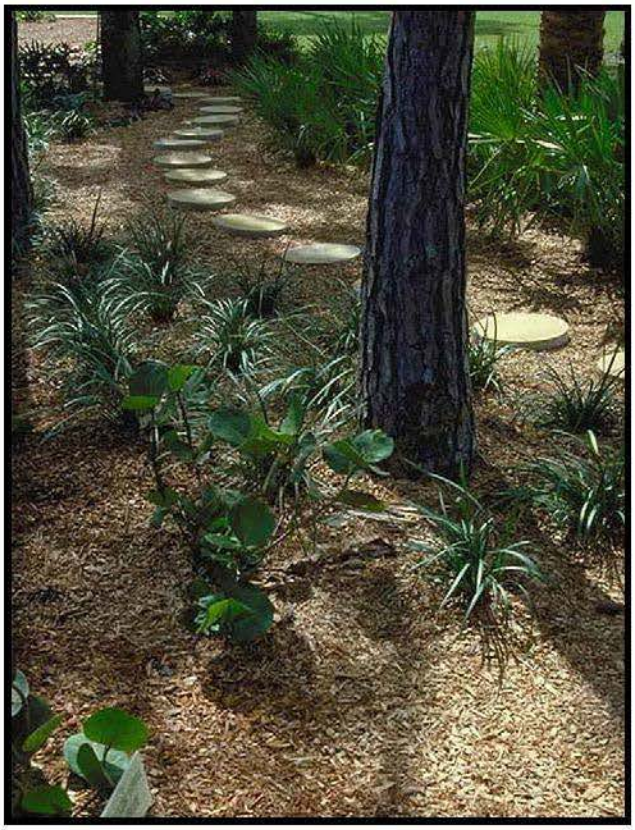
United States Environmental Protection Agency (USEPA). 1999. Stormwater Management Fact Sheet Non-stormwater Discharges to Storm Sewers. EPA 832-F-99-022. Office of Water, Washington, D.C. September.

United States Environmental Protection Agency (USEPA). 1999. Stormwater O&M Fact Sheet Catch Basin Cleaning. EPA 832-F-99-011. Office of Water, Washington, D.C. September.

United States Environmental Protection Agency (USEPA). 2002. Pollution Prevention/Good Housekeeping for Municipal Operations Illegal Dumping Control. On line: http://www.epa.gov/npdes/menuofbmps/poll_7.htm

United States Environmental Protection Agency (USEPA). 2002. Pollution Prevention/Good Housekeeping for Municipal Operations Storm Drain System Cleaning. On line: http://www.epa.gov/npdes/menuofbmps/poll_16.htm

Site Design & Landscape Planning SD-10



Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

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Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.

- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.

- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.

- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.

- Promote natural vegetation by using parking lot islands and other landscaped areas.

- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.

- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Efficient Irrigation SD-12

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Designing New Installations

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Storm Drain Signage SD-13

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include "NO DUMPING

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– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.

- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Trash Storage Areas SD-32

Description

Trash storage areas are areas where a trash receptacle (s) are located for use as a repository for solid wastes. Stormwater runoff from areas where trash is stored or disposed of can be polluted. In addition, loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or creeks. Waste handling operations that may be sources of stormwater pollution include dumpsters, litter control, and waste piles.

Approach

This fact sheet contains details on the specific measures required to prevent or reduce pollutants in stormwater runoff associated with trash storage and handling. Preventative measures including enclosures, containment structures, and impervious pavements to mitigate spills, should be used to reduce the likelihood of contamination.

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Design requirements for waste handling areas are governed by Building and Fire Codes, and by current local agency ordinances and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code and ordinance requirements. Hazardous waste should be handled in accordance with legal requirements established in Title 22, California Code of Regulation.

Wastes from commercial and industrial sites are typically hauled by either public or commercial carriers that may have design or access requirements for waste storage areas. The design criteria in this fact sheet are recommendations and are not intended to be in conflict with requirements established by the waste hauler. The waste hauler should be contacted prior to the design of your site trash collection areas. Conflicts or issues should be discussed with the local agency.

Designing New Installations

Trash storage areas should be designed to consider the following structural or treatment control BMPs:

- Design trash container areas so that drainage from adjoining roofs and pavement is diverted around the area(s) to avoid run-on. This might include berming or grading the waste handling area to prevent run-on of stormwater.
- Make sure trash container areas are screened or walled to prevent off-site transport of trash.

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- Use lined bins or dumpsters to reduce leaking of liquid waste.
- Provide roofs, awnings, or attached lids on all trash containers to minimize direct precipitation and prevent rainfall from entering containers.
- Pave trash storage areas with an impervious surface to mitigate spills.
- Do not locate storm drains in immediate vicinity of the trash storage area.
- Post signs on all dumpsters informing users that hazardous materials are not to be disposed of therein.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Additional Information

Maintenance Considerations

The integrity of structural elements that are subject to damage (i.e., screens, covers, and signs) must be maintained by the owner/operator. Maintenance agreements between the local agency and the owner/operator may be required. Some agencies will require maintenance deed restrictions to be recorded of the property title. If required by the local agency, maintenance agreements or deed restrictions must be executed by the owner/operator before improvement plans are approved.

Other Resources

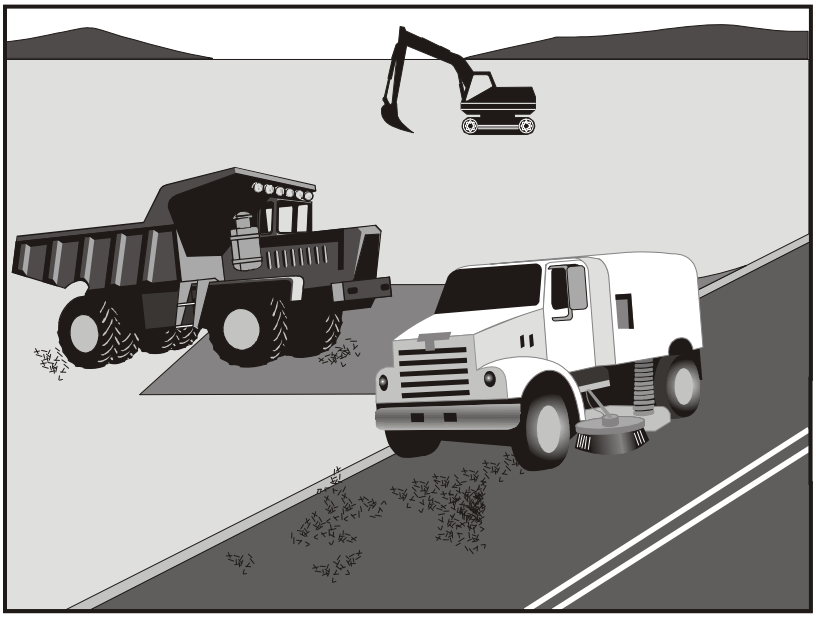
A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Street Sweeping and Vacuuming SE-7



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.
- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

APPENDIX C

WQMP AGREEMENT

APPENDIX D

BMP OPERATION & MAINTENANCE (O&M)

Introduction

Prinsco's HydroStor chamber systems provide a solution to effectively manage and store stormwater runoff utilizing a pipe manifold system to distribute the stormwater to rows of chambers and end caps. As stormwater flows to the chamber system, it carries sediment and debris that tends to collect within the system. Given that chambers are an open bottom system, it is essential to capture the sediment and debris before it enters the chamber rows with the use of a pre-treatment device.

Pre-Treatment System Devices

The use of a pre-treatment unit is recommended for all Hydrostor chamber systems, as debris and sediment buildup in the system will clog the stone void space under the chambers. If the stone becomes clogged with sediment, the storage performance and service life of the system will be compromised. A pre-treatment unit is designed to capture a majority of the sediment and debris before it is able to enter the entire chamber system. Therefore, the maintenance and cleaning of the system will be limited to only the pre-treatment system and not the entire chamber system. It is crucial to ensure that the pre-treatment device(s) are maintained regularly. For chamber systems, there are two options for a pre-treatment device: a Stormwater Quality Unit or sediment row.

Sediment Row

Another option available for HydroStor chamber systems, which can be used in conjunction with a SWQU or by itself, is a Sediment Row. The sediment row consists of a series of chambers installed directly on top of two layers of a woven geotextile. The geotextile serves as a filter and prevents the sediment from clogging the bedding stone. The specified geotextile is also durable enough to withstand cleaning and maintenance procedures using water jet technology. The sediment row will typically be located in the first row of chambers and connected to the control structure(s). This connection is made with a short stub of 18" (450 mm) pipe for HS75 chambers or 24" (600 mm) pipe for HS180 chambers and will be the point of access for cleaning and maintenance procedures. A 24" (600 mm) connection to HS75 chambers is possible, however a pipe adapter will be required to make the connection to the end cap.

Inspection Ports

Inspections ports are not required for the entire chamber system but may be installed to monitor the sediment levels, particularly in the sediment row. Inspection ports are typically 4" - 8" (100 – 200 mm) PVC risers and are to be installed in the valley between the corrugations on the HS180 chambers or in the circular cut out point at the center of HS75 chambers.

Initial System Inspection

An initial inspection of the pre-treatment device should be performed before the chamber system is put into operation. It is best to create an Inspection and Maintenance log sheet at this time. The Inspection and Maintenance Log Sheet can be found at the end of this technical note. Included with the log sheet should be a layout of the system and/or pre-treatment devices with the invert elevations at the inspection ports prior to sediment accumulation. Initial measurements can be taken with a stadia rod or other measurement techniques. These measurements will allow for future sediment height measurements to be taken from outside of the system, eliminating the need for manned entrance.

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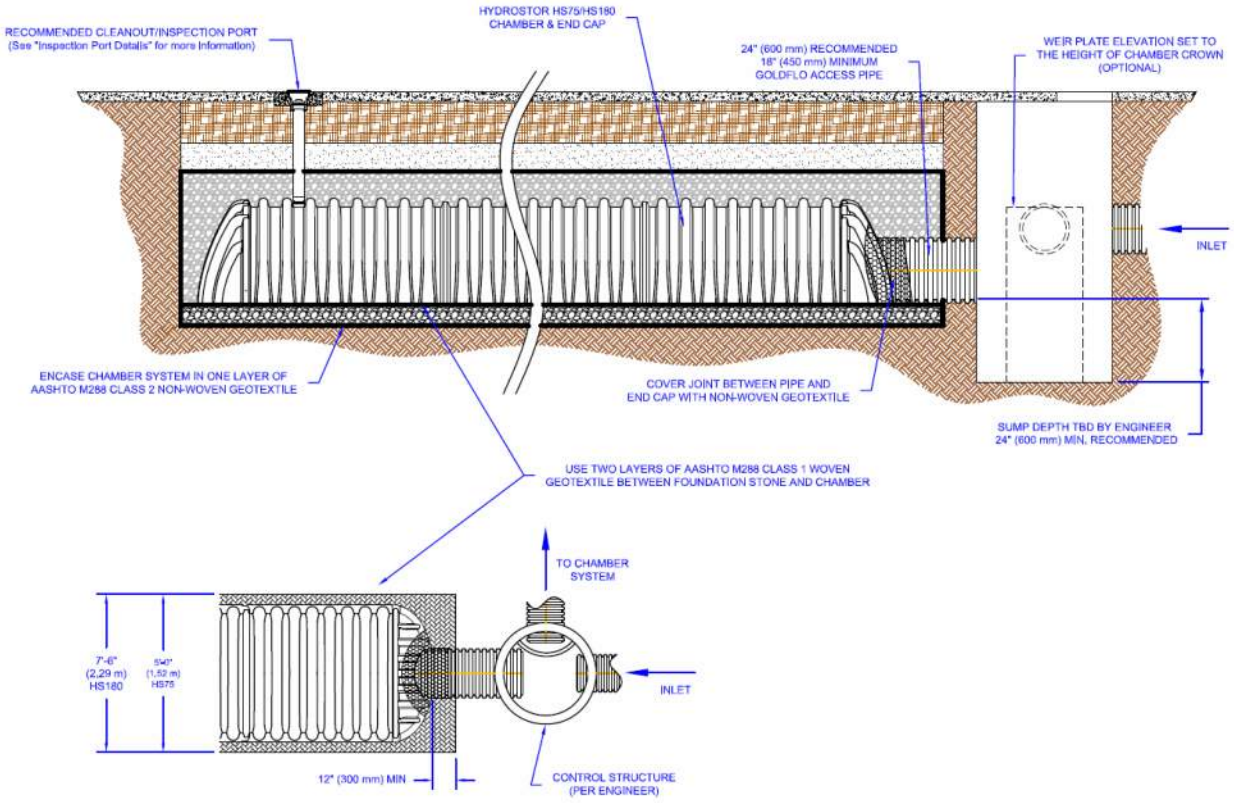

Figure 1 – Chamber Sediment Row

Inspection Frequency

Inspection frequency will vary based on the system design and requirements. A system inspection schedule should be developed for each individual system, with the industry standard being a minimum of once per year. After the inspection schedule is established for the system, it should be tracked on the Inspection and Maintenance Log Sheet.

During the first year of operation, more frequent inspections should be done due to construction activities. Construction sediment and debris loading can be minimized if the Stormwater Pollution Prevention Plan (SWPPP) plan for the construction site is followed. After the first year of operation, the rate at which the pretreatment system collects soil/pollutants will be heavily dependent on the site activities. During winter months, in geographical areas where sand is applied to road surface, systems may see increased sediment loading. Other increased loading areas are present with vehicle or equipment wash-down areas.

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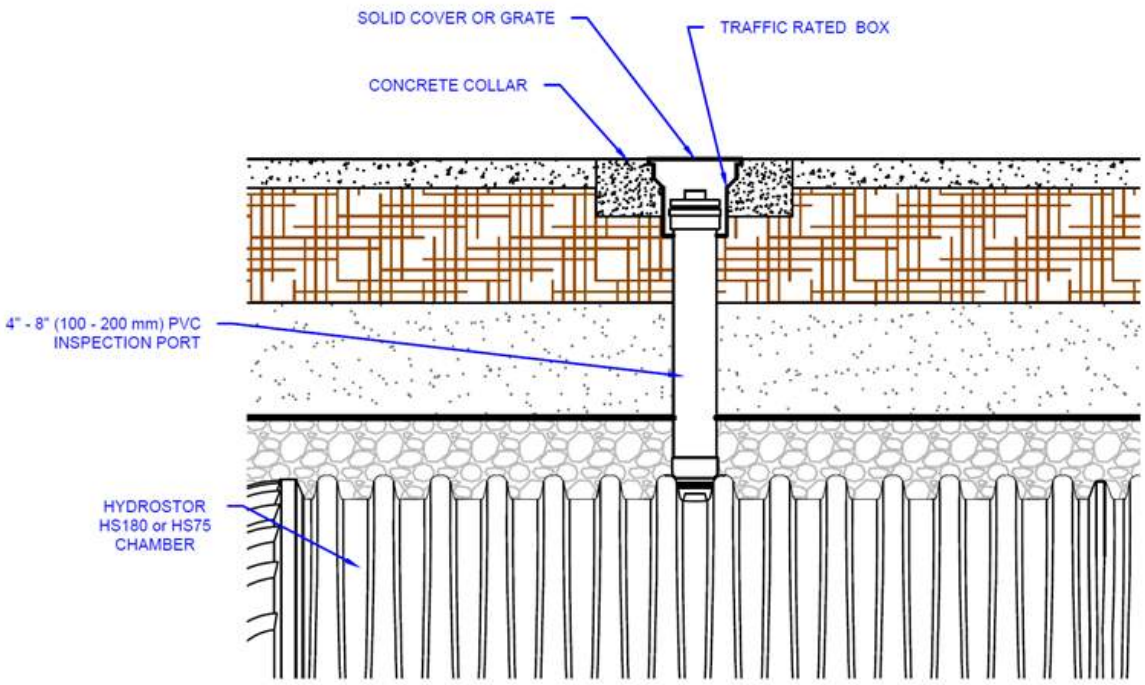

Figure 2 - Inspection Ports for Chamber System

Inspections for a sediment row can either be done through an inspection port or by examining the chamber row through the upstream control structure. During inspections, elevations of sediment height should be taken from each riser, cleanout or inspection port. These elevations should be recorded on the Inspection and Maintenance Log Sheet. During the inspection, personnel should be looking for blockages to inlet or outlet stubs or any other evidence of system malfunction.

Maintenance Frequency

Cleaning frequency will vary for each pre-treatment device based on the system design. It is at the sole discretion of the inspector to determine if or when the device will require cleaning. The following are recommendations of when the device should be cleaned:

- If the system is experiencing an unusual amount of silt and soil build up, the pre-treatment device should be investigated and or cleaned.
- If the chamber sediment row reaches a sediment height between 1”-3” (25-75 mm), the inspector should recommend cleaning.
- If the system reaches a sediment height greater than 3” (75 mm) in the chamber sediment row, the system should be clean at the soonest opportunity.

System Cleaning

The most common method of cleaning is done by using a vacuum truck. For the sediment row, a high-pressure nozzle with rear facing jets is used to direct the sediment and debris to the inlet control structure where it can then be vacuumed out. Care needs to be taken to ensure damage to the geotextile fabric does not occur when removing sediment and debris.

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Figure 3 - Sediment Row Cleaning

Before the system is cleaned, the following considerations should be made:

- The system will be much easier to clean when there is little to no flow into the system and the system does not have any standing water. For this reason, system cleaning should be scheduled around dry weather.
- Before cleaning begins, all outlet stubs should be blocked off. This includes the outlet from the diversion structure to the chamber system. If this is not done, sediment loading could back up or plug downstream pipelines adding to cleaning expenses. This is also done to prevent any of the debris or pollutants from washing into downstream waterways.
- When beginning the cleaning process all upstream pipelines and pre-treatment units should be cleaned first.

Safety

Before entering a retention or detention system, ensure all OSHA and local safety regulations are being followed. Only personnel with appropriate confined space permits and personal protective equipment should be allowed to enter the system.

Material Disposal

After maintenance and cleaning, dispose of sediment, as directed, in accordance to local regulations. Water and sediment from cleanout procedures should not be dumped into a sanitary sewer. In some locations, proper disposal of sediments from the sediment row can be compared to the disposal of sediments from manholes or catch basins.

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Inspection & Maintenance Log Sheet									
Type of System: HS180 Chambers with SWQU & Sediment Row					**Location**: Minneapolis, MN				
Notes/Comments: Contact owner when sediment level reaches 8" (200 mm) or outlet stub is restricted. Scheduled cleaning should be done through SB's JET/VAC									
Ports / Cleanouts / Manholes		Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8
Initial Inspection									
Date: 3/10/13	Invert Depth	84" (2100 mm)	84" (2100 mm)	86" (2150 mm)	87" (2175 mm)	88" (2200 mm)	89" (2225 mm)	90" (2250 mm)	91" (2275 mm)
	Sediment Depth	----	----	----	----	----	----	----	----
	Inspector Name:	Inspector 1		**Maintenance Performed/Notes:**					
Inspection and Maintenance									
Date: 8/10/13	Depth to Sediment	81" (2025 mm)	81" (2025 mm)	81" (2025 mm)	82" (2050 mm)	84" (2100 mm)	84" (2100 mm)	85" (2125 mm)	85" (2125 mm)
	Sediment Depth	3" (75 mm)	3" (75 mm)	5" (125 mm)	5" (125 mm)	4" (100 mm)	5" (125 mm)	5" (125 mm)	6" (150 mm)
	Inspector Name:	Inspector 2		**Maintenance Performed/Notes:**		excess amounts of sediment, upon further inspection pre-treatment unit was full			
Date:	Depth to Sediment								
	Sediment Depth								
	Inspector Name:			**Maintenance Performed/Notes:**					
Date:	Depth to Sediment								
	Sediment Depth								
	Inspector Name:			**Maintenance Performed/Notes:**					

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Inspection & Maintenance Log Sheet									
Type of System:					**Location**:				
Notes/Comments:									
Ports / Cleanouts / Manholes		Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8
Initial Inspection									
Date:	Invert Depth								
	Sediment Depth	----	----	----	----	----	----	----	----
	Inspector Name:	Inspector 1		**Maintenance Performed/Notes:**					
Inspection and Maintenance									
Date:	Depth to Sediment								
	Sediment Depth								
	Inspector Name:			**Maintenance Performed/Notes:**					
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Date:	Depth to Sediment								
	Sediment Depth								
	Inspector Name:			**Maintenance Performed/Notes:**					

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Inspection & Maintenance Log Sheet									
Type of System:					**Location**:				
Notes/Comments:									
Ports / Cleanouts / Manholes		Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8
Initial Inspection									
Date:	Invert Depth								
	Sediment Depth	----	----	----	----	----	----	----	----
	Inspector Name:	Inspector 1		**Maintenance Performed/Notes:**					
Inspection and Maintenance									
Date:	Depth to Sediment								
	Sediment Depth								
	Inspector Name:			**Maintenance Performed/Notes:**					
Date:	Depth to Sediment								
	Sediment Depth								
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	Sediment Depth								
	Inspector Name:			**Maintenance Performed/Notes:**					

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Water Quality Management Plan (WQMP)
Olive Grove Business Park

Retention Basin Diversion and Pretreatment Manhole: Operation and Maintenance

Maintenance Required

Trash, debris and sediment must be removed and disposed of per local jurisdiction requirements. The sump manhole shall be cleaned of all debris, silt and trash when the capacity has reached 75% of the total depth to maintain clear flow from inlet and outlet pipe.

Frequency

The diversion structure should be inspected at regular intervals (twice a year minimum) and maintained when necessary to ensure optimum performance. In addition, inspection and maintenance is required after every rain event greater than 0.5 inches.

Record Keeping

Records of inspection shall be maintained for a minimum of 5 years. At minimum, these records shall document:

- Inspection Date
- Depth of Sediment/ Trash/ Debris
- Type of Maintenance Performed
- Maintenance Personnel
- Comments

APPENDIX E

GEOTECHNICAL REPORT

GEOTECHNICAL PROFESSIONALS INC.

October 2, 2019

Oakmont Rialto Olive Grove, LLC
c/o Crow Holdings Industrial
527 W. 7th Street, Suite 308
Los Angeles, California 90014

Attention: Mr. Jared Riemer

Subject: Planning-Level Preliminary Geotechnical Investigation
Proposed Olive Grove Business Park
North Side of Baseline Road, ¼ mile East of N. Ayala Drive
Rialto, California
GPI Project No. 2963.I

Dear Mr. Riemer:

In accordance with your request, this report presents the results of our planning-level preliminary geotechnical investigation for the proposed business park at the subject site. The purpose of our investigation was to characterize the geotechnical conditions at the site with respect to the feasibility of the development and to provide preliminary recommendations for earthwork and design of foundations, floor slabs and pavements.

INTRODUCTION

The project site is a 31.6 acre parcel located on the north side of Baseline Road, ¼ mile east of North Ayala Drive, in Rialto, California. The location of the site is shown on the Site Location Map, Figure 1. The approximate limits of proposed development are shown on the Site Plan, Figure 2.

The proposed project will consist of two industrial warehouse buildings approximately 416,106 and 235,896 square feet in size. The buildings are anticipated to be tall one-story buildings of concrete tilt-up construction and will likely include some office areas with mezzanines. Column loads are not available at this time; however, we anticipate typical maximum column loads of 80 to 100 kips and wall loads of 6 to 8 kips per foot (dead plus live). Floor slabs will be supported on-grade with dock-high construction.

The finish floor elevation of the west building will slope downward from north to south at about 0.5% from approximate elevation 1383 feet to 1379 feet. The finish floor elevation of the east building will slope downward from north to south at the same gradient from approximate elevation 1378 feet to 1375 feet. We anticipate site grading to include cuts and fills on the order of approximately 10 feet to develop the two building pads.

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Site improvements will also include asphalt and concrete pavements for automobiles, truck and trailer traffic, and fire access lanes, site walls and underground utilities. Stormwater infiltration basins are currently being evaluated and may consist of small open basins or subterranean chamber basins below paved areas.

SCOPE OF WORK

Our scope of work included review of published information, subsurface exploration, field infiltration testing, laboratory testing, engineering evaluations, and preparation of this planning-level preliminary geotechnical letter report.

Our field exploration program for this study consisted of four hollow stem auger borings, ten exploratory test pits, and two infiltration test wells. The borings were performed to depths of approximately 21½ to 36½ feet below existing grade. The test pits were performed to depths of approximately 5 feet below existing grade, and the percolation wells were installed at depths of approximately 16 and 17 feet below existing grades. A description of field procedures and logs of the borings and test pits are presented in the attached Appendices A and B. The procedures and results of the infiltration tests are discussed in this report. The approximate locations of the subsurface explorations and infiltration test wells are shown on the Site Plan, Figure 2.

Laboratory soil tests were performed on selected representative samples as an aid in soil classification and to evaluate the engineering properties of the soils. The geotechnical laboratory testing program included determinations of moisture content and dry density, fines content, shear strength, corrosivity and maximum density. Corrosivity screening tests were performed by HDR under subcontract to GPI. The results of the laboratory testing by GPI and HDR are presented in Appendix C.

Engineering evaluations were performed to provide planning-level recommendations and an assessment of seismic hazards. The results of our evaluations are presented in the remainder of the report.

SURFACE CONDITIONS

The project site is currently unoccupied and covered with short grass, bushes, and weeds. Scatter cobbles and boulders are visible at the ground surface. Historic aerial photographs indicate that the site has been previously used for agriculture prior to 1966. From 1966 to current, the site has been vacant. The site is bounded on the north by Jerry Eaves Park, to the east by a stormwater detention basin, to the west by a series of commercial buildings along North Fitzgerald Avenue, and to the south by Base Line Road.

The ground surface gently slopes downward from about elevation 1390 feet at the northwest corner of the site to elevation 1360 in the southeast corner of the site.

SUBSURFACE CONDITIONS

Our field investigation disclosed a subsurface profile consisting of undocumented fills overlying natural soils. Detailed descriptions of the subsurface conditions encountered in our boring and test pit explorations are provided in Appendix A and B. A brief summary of the subsurface conditions is provided below.

Undocumented fills were encountered to approximately 3½ feet below existing grade in one of the ten test pit explorations (Test Pit TP-7). Approximately 2 to 3 feet of fill was noted in each of the four borings drilled at the site; however, it was difficult to distinguish between the fill and underlying natural soils as they were very similar in material makeup. As such, we conclude that localized shallow fills should be anticipated. The fill materials encountered consisted of silty sands with varying amounts of gravels and few cobbles. The fills were generally medium dense and dry.

The natural soils consist predominately of sand and silty sand with varying amounts of gravel and cobbles, and gravels with varying amounts of sand and silt. Scattered boulders, up to 22 inches in diameter, were also encountered. In general, the native soils were medium dense to very dense and dry to slightly moist. Drilling was performed with small diameter equipment, making it difficult to identify potential cobbles and boulders. The natural soils have moderate to high strength and low to medium compressibility characteristics.

Groundwater was not encountered in our current explorations drilled to a maximum depth of 36 feet below ground surface. Published data by the California Department of Water Resources indicates groundwater is deeper than 400 feet below the ground surface.

CONCLUSIONS AND PRELIMINARY RECOMMENDATIONS

General

Based on the results of our investigation and experience with nearby, similar projects, it is our opinion that from a geotechnical engineering viewpoint, it is feasible to develop the site as proposed. We anticipate the proposed buildings and any appurtenant structures may be supported on shallow foundations underlain by engineered fill. The most significant geotechnical issues that will affect the design and construction of the proposed structures are summarized below:

- Undocumented fills were encountered to depths of up to 3½ feet below existing grade at the site. The fill soils are not considered to be suitable for direct support of foundations or floor slabs. If not removed in the planned excavations, we recommend removal and recompaction of the fill materials to provide uniform support of the planned improvements.

- The fill and native materials encountered had significant amounts of gravel, varying amounts of cobbles, and occasional boulders. The cobbles were generally up to 5 inches in diameter and occasionally up to 12 inches in diameter. The boulders encountered were up to 22 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

- To provide uniform support for the planned buildings, the soils should be removed to a depth of at least 4 feet below the planned finished pad grade, 2 feet below the base of foundations, or 3 feet below existing grade, whichever is greater. Foundations for minor structures, such as site walls, should be underlain by at least 1 foot of properly compacted fill. Deeper removals may be required were unsuitable fill soils extend below the recommended overexcavation depth.

- Deeper overexcavation in the area of deep cuts may be desirable during rough grading in utility corridors to aid in excavating utility trenches with conventional equipment.

- The undisturbed native materials may be suitable for direct support of building foundations but may be undesirable for future excavations of footings or utility trenches. The recommendation for removals to extend to a depth of at least 4 feet below the finished pad grade for building pads materials is provided so that future excavations for utilities and footings can be made with conventional equipment.

- Because of the likely presence of cobbles and boulders, oversize material (greater than 8-inches) should be anticipated to be generated from site cuts. Special handling and/or crushing of oversize material will be required in order to use the material as compacted fill. On-site placement of the boulders in compacted fills will depend on the final site grades.

- Fills placed within 3 feet of the finished pad grade should not contain particles greater than 3 inches in diameter.

- The in-place fill and native soils are generally dry to slightly moist with moisture contents near or below optimum. These soils will require processing and moisture conditioning prior to replacement as properly compacted fill.

Our preliminary recommendations related to the geotechnical aspects of the development of the site are presented in the subsequent sections of this report.

Seismic Considerations

There are no known faults crossing or projecting through the site. The development does not lie within an Alquist-Priolo Earthquake Fault Zone as designated by the California Geologic Survey (CGS), which would require further studies of the fault. Therefore, ground rupture due to faulting is considered unlikely at this site. The closest fault to the site is the San Jacinto fault, which is mapped about 1.6 miles to the northeast.

The buildings are anticipated to be designed in accordance with the 2019 California Building Code (CBC) which will be in effect as of January 1, 2020. The available data indicates that Site Class D, (Stiff Soil) and possibly Site Class C (Very Dense Soil and Soft Rock), would likely be appropriate for use in design of structures. Site specific field testing, which can be performed during final design, should be performed to determine the Site Class.

Typical of Southern California, there is a potential that the site development will be subjected to strong ground motion during its life. The peak ground acceleration used in design for CBC 2019 will be based on the final determination of the Site Class during final design. For a magnitude 8.1 earthquake, we computed that the site could be subjected to a site modified peak ground acceleration (PGA_M) of 0.939g for Site Class D (determined with field testing) and 1.025g for Site Class C. These accelerations were computed using the mapped Maximum Considered Geometric Mean peak ground acceleration from ASCE 7-16 (ASCE, 2016) and the appropriate site coefficient (F_{PGA}). The predominant earthquake magnitude (8.1) was determined using a 2 percent probability of exceedance in a 50-year period, or an average return period of 2,475 years. The structural design will need to incorporate measures to mitigate the effects of strong ground motion.

The site is not located in a Seismic Hazards Zone for liquefaction nor earthquake induced landslide zones. Due to the dense nature of the natural soils, the potential for seismic induced dry-sand settlement is not expected to impact site development.

Foundations

The proposed buildings and minor structures, such as free standing walls and trash enclosures, may be supported on spread footings underlain by engineered fill. We anticipate an allowable net bearing capacity for spread footings on the order of 4,000 pounds per square foot (psf) for building foundations and 2,500 psf for minor structure foundations underlain properly compacted fill. Settlement of the foundations underlain by engineered fill are anticipated to be within tolerable limits.

For preliminary design, a coefficient of friction of 0.40 may be used for frictional resistance and an allowable lateral bearing pressure equal to an equivalent fluid weighing of 300 pounds per cubic foot may be used for the compacted fill soils; these values may be used in combination without reduction.

Earthwork

General

The earthwork anticipated at the project site will consist of clearing and grubbing, excavation of undocumented fills and loose natural or disturbed soils, cuts and fills to grade, subgrade preparation including moisture conditioning, and placement and compaction of fill.

Overexcavation and Placement of Fill

To provide uniform support for the planned buildings, the soils should be removed to a depth of at least 4 feet below the planned finished pad grade, 2 feet below the base of foundations, or 3 feet below existing grade, whichever is greater. Foundations for minor structures, such as site walls, should be underlain by at least 1 foot of properly compacted fill. Deeper removals may be required were unsuitable fill soils extend below the recommended overexcavation depth. If not removed in the planned excavations, we recommend removal and recompaction of the fill materials to provide uniform support of the planned improvements.

Deeper overexcavation in the area of deep cuts may be desirable during rough grading utility corridors to aid in excavating utility trenches with conventional equipment.

The fill and native materials encountered had significant amounts of gravel, varying amounts of cobbles and occasional boulders. The cobbles were generally up to 5 inches in diameter and occasionally up to 12 inches in diameter. The boulders encountered were up to 22 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

Because of the likely presence of cobbles and boulders, oversize material (greater than 8-inches) should be anticipated to be generated from site cuts. Special handling and/or crushing of oversize material will be required in order to use the material as compacted fill. On-site placement of the boulders in compacted fills will depend on the final site grades.

The undisturbed native materials may be suitable for direct support of building foundations but may be undesirable for future excavations of footings or utility trenches. The recommendation for removals to extend to a depth of at least 4 feet below the finished pad grade for building pads materials is provided so that future excavations for utilities and footings can be made with conventional equipment.

Fills placed within 3 feet of the finished pad grade should not contain particles greater than 3 inches in diameter.

After the recommended removals are complete, the exposed subgrade soils should be scarified to a depth of 8 inches, moisture-conditioned, and compacted to at least 90 percent

of the maximum dry density in accordance with ASTM D 1557. If the subgrade is evaluated by our field representative to consist of relatively undisturbed and dense native materials containing gravel and cobbles, scarification of the subgrade may be waived.

Fill soils should be placed in horizontal lifts, moisture-conditioned, and mechanically compacted to at least 90 percent of the maximum dry density in accordance with ASTM D1557.

The moisture content of the existing near surface soils was dry to slightly moist and generally below optimum. Moisture conditioning will be required during grading and consideration should be given to prewatering the site prior to starting earthwork. The moisture content of the fill materials should be between optimum and 2 percent over optimum moisture conditions at the time of compaction and the soils should not be allowed to dry out prior to covering with concrete or additional fill.

Materials for Fill

The on-site soils are, in general, suitable for use as compacted fill, with the exception of oversized materials. Existing on-site soils to be used as fill should be free of debris and any pieces larger than 8 inches in greatest dimension. Imported material and fills placed within 3 feet of the finished building pad grades should not contain particles greater than 3 inches in diameter. On-site materials greater than 8 inches in diameter can be exported, crushed, or disposed of in windrows outside of the building pads.

Soils used as retaining wall backfill should be granular (contain no more than 40 percent fines - portion passing No. 200 sieve) and non-expansive (E.I. less than 20). Such materials are anticipated to be available on-site. Imported fill material should be predominately granular and non-expansive as defined above.

Walls Below Grade

Although permanent retaining walls are not anticipated, preliminary lateral earth pressures for use in conceptual design of walls below grade are provided below:

Wall Condition	Equivalent Fluid Pressure
Cantilever walls with level, drained backfill comprised of granular soils or the undisturbed natural soils (Static Active Pressure Condition)	40 pcf (1)
Restrained basement walls with drained conditions (Static At-Rest Pressure Condition)	60 pcf (1)
Additional lateral pressure increases for seismic loading Active Pressure Condition: At-rest Pressure Condition:	 33 pcf 13 pcf
Surcharge Pressures	See below.

Note (1) does not include hydrostatic pressures or seismic earth pressures.

Walls subject to surcharge loads should be designed for an additional uniform lateral pressure equal to one-third and one-half the anticipated surcharge pressure for unrestrained and restrained walls, respectively. In addition to the recommended earth pressure, the upper 10 feet of the walls adjacent to the streets should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pound per square foot surcharge behind the shoring due to normal street traffic.

Concrete Floor Slabs

Concrete floor slabs supported at grade are anticipated to be underlain by engineered fill following overexcavation and recompaction or near surface unsuitable fill and natural soils. A moisture vapor retarder should be placed under slabs that are to be covered with moisture-sensitive floor coverings.

Pavements

Based on an assumed R-value of 45 and using the California Division of Highways Design Method, the following preliminary pavement sections have been developed for various levels of traffic.

PAVEMENT AREA	TRAFFIC INDEX	SECTION THICKNESS (inches)	
		ASPHALT CONCRETE	AGGREGATE BASE COURSE
Asphalt Concrete			
Auto Parking Stalls	4	3	4
Circulation Drives	5	3	4
Truck Drives	6	3	6
Heavy Truck Drives	7	4	6
Portland Cement Concrete		**PCC(1)**	
Auto Parking Stalls	4	6	0
Circulation Drives	5	6.5	0
Truck Drives	6	7	0
Heavy Truck Drives	7	7	0
	8	7.5	0

(1) Note: PCC pavement section can be reduced by ½ inch if underlain by 4 inches of aggregate base.

The pavement subgrade and the base course material should be compacted to at least 95 percent of the maximum dry density (ASTM D 1557). Testing of the subgrade soils should be performed during design and following rough grading to confirm and update the recommended pavement sections based on Traffic Indexes provided by the Civil Engineer.

Corrosion

Based on laboratory testing by HDR (included in Appendix C of this report) the site soils are considered to be mildly corrosive to concrete and ferrous metals. Based on the test results, foundation concrete and other concrete in contact with site soils should conform to the requirements outlined in ACI 318-14, Section 19.3 for a negligible level of soluble sulfate exposure for soil (Exposure Class S0). According to the American Concrete Institute (ACI) 318-14, Table 19.3.1.1, the Exposure Class for corrosion protection of reinforcement are "C0" if "concrete is dry or protected from moisture", and "C1" if "concrete is exposed to moisture but not to an external sources of chlorides".

The provided preliminary corrosion tests are only an indicator of potential soil corrosivity for the sample tested. GPI's scope of work did not include corrosion engineering. A corrosion engineer should be retained to evaluate the corrosion potential of the site to proposed improvements, to recommend further testing as required, and to provide specific corrosion mitigation methods appropriate for the project. Additional testing should be conducted during final design.

Percolation Test Wells

Test wells, P-1 and P-2 were, were installed in boreholes drilled using truck-mounted hollow-stem auger drill equipment at two of the preliminary infiltration basin locations. The locations of the test wells are shown on Figure 2. The wells consisted of 2-inch diameter PVC casing installed in an 8-inch diameter borehole. The casing was perforated in the lower 2 feet of the wells. Packing material around the slotted sections of the well casing consisted of #3 sand. The test wells P-1 and P-2 were constructed to depths of approximately 17½ and 16 feet, respectively, below existing grade in order to test the soils near the bottom elevations for two basins that were being considered at the time our field work was conducted. The percolation testing was performed in general accordance with the San Bernardino County guidelines for borehole infiltration tests.

The test wells were filled with water the day before testing and presoaked at least 15 hours. Prior to running the tests in the wells, we conducted the Sandy Soil Criteria Test by filling the test holes as described in the guidelines and taking measurements of the water levels. The Sandy Soil Criteria were achieved in both wells P-1 and P-2. Two consecutive measurements showed that at least 6 inches of water seeped away in less than 25 minutes, therefore the test was continued for at least 1 hour as described in the criteria. The results of the Sandy Soil Criteria Tests are shown on the table below.

The percolation testing was conducted as outlined in the Reference for 'sandy soils' for at least six consecutive 10-minute readings. The tests were performed in each well, measuring the drop in water level over the designated time increment, as appropriate for each location. The initial water heights in the test wells were on the order of 3 feet above the bottom of the test well. After each reading, the water level was raised to approximately the same height. Details of the percolation tests are presented in the attached Table 1, Borehole Infiltration Test Results.

The measured infiltration rates were calculated using the drop in water level over the test increment time and corrected using the Porchet Method. The final measured rates for each well, corrected as indicated above are presented in the following table and should be used with an appropriate factor of safety.

Infiltration Test Results Summary

TEST WELL	APPROXIMATE DEPTH OF TEST WELL (feet)	CORRECTED INFILTRATION RATE (in./hr.)
P-1	17.6	4.4
P-2	16.2	4.9

After completion of the infiltration testing, the well casings were removed, and the holes were backfilled with the on-site soils.

Based on the results of the tests, storm water disposal by infiltration into the shallow subsurface soils is anticipated to be technically feasible. The subsurface conditions encountered in the explorations across the site appear to be relatively uniform and comparable infiltration rates are anticipated in other areas of the site. During final design, additional explorations and infiltration testing should be conducted at the specific locations and depths of planned stormwater infiltration.

The Civil Engineer should evaluate the feasibility of surface infiltration using the rates provided above. Additional factors of safety in computing the design infiltration rate of the proposed infiltration BMP should be determined by the project Civil Engineer.

It should also be noted that the infiltration rates are for clean, clear water and do not include effects of sediment, fines, dissolved solids or other debris, as these materials will significantly reduce the infiltration rates of the subsurface soils. Prior to infiltration, water should be cleaned of sediment or other deleterious materials to help reduce the potential for clogging and reduced percolation rates. Should fines or suspended solids be permitted to enter the basin, reduced infiltration rates will result.

LIMITATIONS

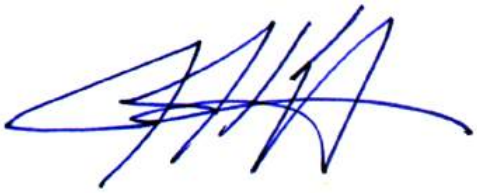
The geotechnical investigation reported herein was performed for the exclusive use by Oakmont Rialto Olive Grove LLC and their consultants in evaluating the feasibility of constructing the proposed improvements. This report should not be used for evaluating the feasibility of developing the site for other uses or for the detailed design of the proposed project, because this report does not contain sufficient or appropriate information for such use.

Soil deposits may vary in type, strength, and many other important properties between points of exploration due to non-uniformity of the geologic formations or to man-made cut and fill operations. While we cannot evaluate the consistency of the properties of materials in areas not explored, the conclusions drawn in this report are based on the assumption that the data obtained in the field are reasonably representative of field conditions and are conducive to interpolation and extrapolation.

As noted previously, additional geotechnical investigations will be needed for design and construction. Furthermore, our recommendations were developed with the assumption that a proper level of field observation and construction review will be provided by a qualified geotechnical consulting firm during grading, excavation, and foundation construction. If design- and construction-phase geotechnical services are performed by others they must accept full responsibility for all geotechnical aspects of the project.

Our investigation and evaluations were performed using generally accepted engineering approaches and principles available at this time and the degree of care and skill ordinarily exercised under similar circumstances by reputable Geotechnical Engineers practicing in this area. No other representation, either express or implied, is included or intended in our report.

Respectfully submitted,
Geotechnical Professionals Inc.



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Associate

Paul R. Schade, G.E. 2371
Principal

Enclosures: References
Figure 1 - Site Location Map
Figure 2 - Site Plan
Table 1 - Borehole Infiltration Test Results
Appendix A - Exploratory Borings
Appendix B - Exploratory Test Pits
Appendix C - Laboratory Testing

REFERENCES

1. American Society of Civil Engineers (ASCE) (2016), “Minimum Design Loads for Buildings and Other Structures,” ASCE/SEI 7-16

2. California Department of Water Resources, Water Data Library, http://www.water.ca.gov/waterdatalibrary/

3. California Geological Survey (2008), “Guidelines for Evaluating and Mitigating Seismic Hazards in California,” Special Publication 117A, 2008.

4. California Geological Survey (2008), “Recommended Criteria for Delineating Seismic Hazard Zones in California,” Special Publication 118, April 2004.

5. California Geological Survey (2010), “Fault Activity map of California”, http://maps.conservation.ca.gov/cgs/fam/

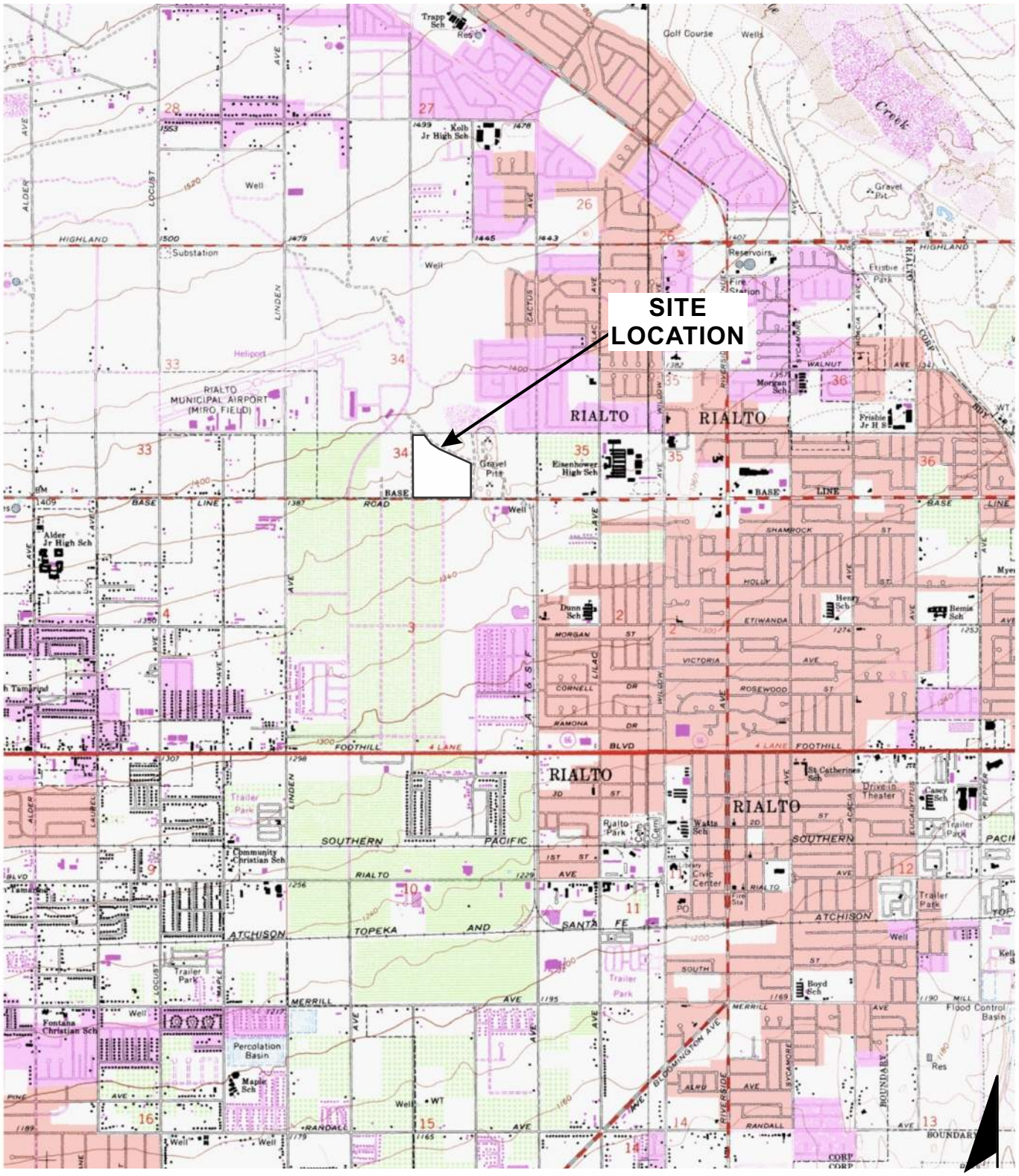
6. California Office of Statewide Health Planning and Development (OSHPD), Seismic Design Maps Website, https://seismicmaps.org/

7. NETR Online, Historical Aerials, www.historicalaerials.com

8. United States Geologic Survey, 1978, Open File Report 78-19, Geologic Map of Fontana Quadrangle, Riverside and San Bernardino Counties

9. United States Geological Survey (2014), 2008 National Seismic Hazard Maps, Source Parameters, http://geohazards.usgs.gov/cfusion/hazfaults_search/hf_search_main.cfm

10. United States Geological Survey (accessed 2019), Unified Hazard Tool website, https://earthquake.usgs.gov/hazards/interactive/



0 3000 6000 FEET

BASE MAP REPRODUCED FROM USGS 7.5' TOPO MAPS © CALTOPO

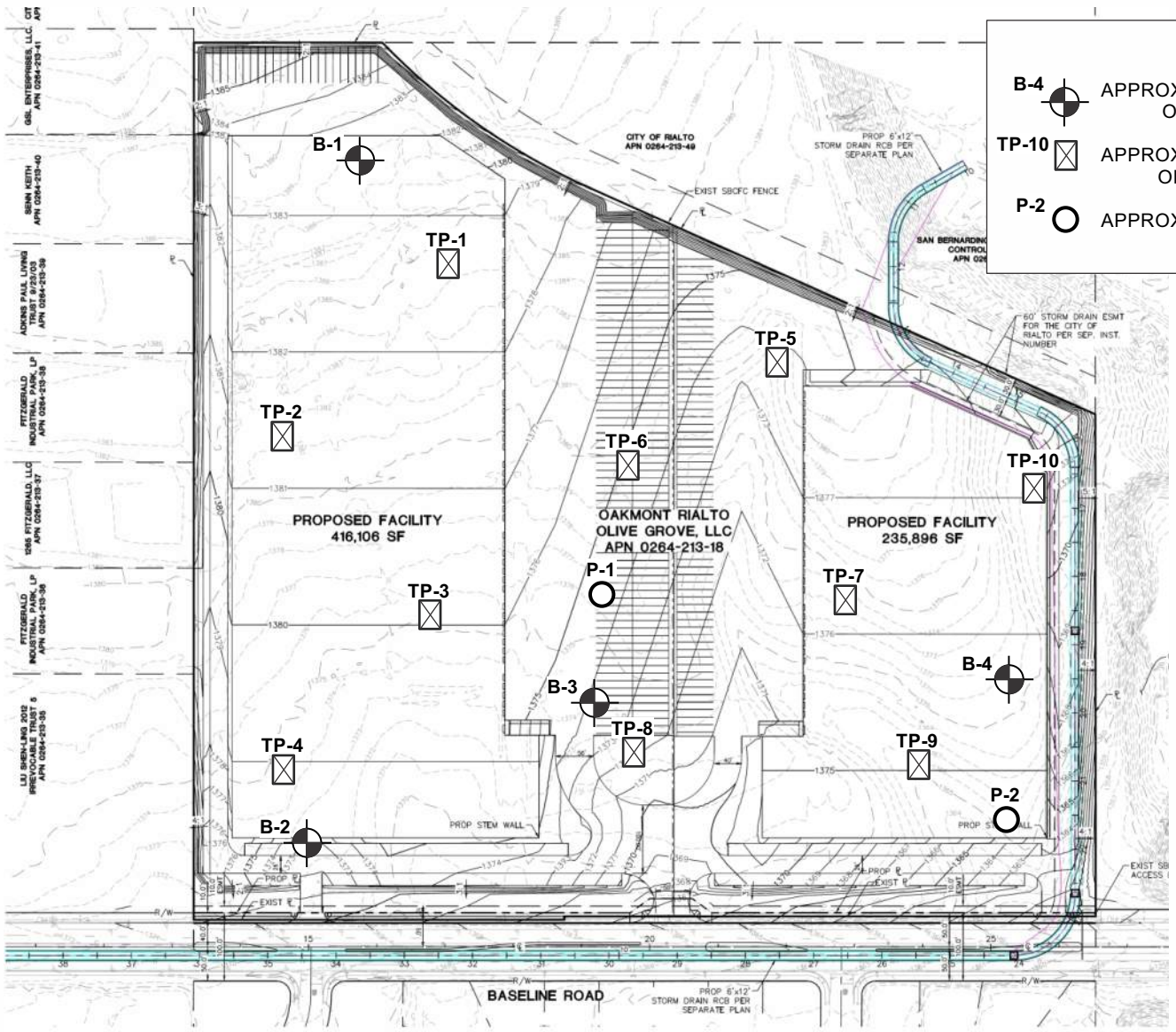
GPI GEOTECHNICAL PROFESSIONALS, INC.

OLIVE GROVE BUSINESS PARK

GPI PROJECT NO.: 2963.I | SCALE: 1" = 3000'

SITE LOCATION MAP

FIGURE 1



BASE MAP REPRODUCED FROM STORM DRAIN AND GRADING EXHIBIT BY KIMLEY HORN DATED SEPTEMBER 26, 2019

GPI GEOTECHNICAL PROFESSIONALS, INC.

OLIVE GROVE BUSINESS PARK

GPI PROJECT NO.: 2963.I | SCALE: 1" = 250'

SITE PLAN

FIGURE 2

TABLE 1

BOREHOLE INFILTRATION TEST RESULTS (corrected with Porchet Method)

San Bernadino County Method-TGD, 2011

Project No. 2963.I Project Name: Olive Grove Business Park Date: 10/2/2019

Test Date 9/16/2016 NOTE: Slowest rate from percolation testing used to calculate infiltration rate

		Water	Water	Total		Initial	Final	Change in	Average	
	Test	Depth	Depth	Depth of	Hole	Water	Water	Height of	Height of	Infiltration
Test Well	Duration	Initial	Final	Test Hole	Diameter	Height	Height	Water	Water	Rate
	(min)	(ft)	(ft)	(ft)	(inches)	(ft)	(ft)	(ft)	(ft)	(in/hr)
	Δt	D_o	D_f	D_T		H_o	H_f	$\Delta H=\Delta D$	H_{avg}	I_t
P-1	10	14.60	15.60	17.60	8	3.00	2.00	1	2.50	4.5
P-1	10	14.60	15.59	17.60	8	3.00	2.02	0.985	2.51	4.4
P-1	10	14.60	15.59	17.60	8	3.00	2.02	0.985	2.51	4.4
P-1	10	14.60	15.58	17.60	8	3.00	2.03	0.975	2.51	4.4
P-1	10	14.60	15.55	17.60	8	3.00	2.05	0.95	2.53	4.2
P-1	10	14.60	15.58	17.60	8	3.00	2.03	0.975	2.51	4.4
P-1	10	14.60	15.58	17.60	8	3.00	2.02	0.98	2.51	4.4

Test Date 9/16/2016 NOTE: Slowest rate from percolation testing used to calculate infiltration rate

		Water	Water	Total		Initial	Final	Change in	Average	
	Test	Depth	Depth	Depth of	Hole	Water	Water	Height of	Height of	Infiltration
Test Well	Duration	Initial	Final	Test Hole	Diameter	Height	Height	Water	Water	Rate
	(min)	(ft)	(ft)	(ft)	(inches)	(ft)	(ft)	(ft)	(ft)	(in/hr)
	Δt	D_o	D_f	D_T		H_o	H_f	$\Delta H=\Delta D$	H_{avg}	I_t
P-2	10	13.20	14.25	16.20	8	3.00	1.95	1.05	2.48	4.8
P-2	10	13.20	14.26	16.20	8	3.00	1.94	1.06	2.47	4.8
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9
P-2	10	13.20	14.26	16.20	8	3.00	1.94	1.06	2.47	4.8
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9
P-2	10	13.20	14.27	16.20	8	3.00	1.93	1.07	2.47	4.9

APPENDIX A

APPENDIX A

EXPLORATORY BORINGS

The subsurface conditions for the site were investigated by drilling and sampling four exploratory borings. The borings were advanced to depths of 21½ to 36½ feet below the existing ground surface. The approximate locations of the explorations are shown on the Site Plan, Figure 2.

The exploratory borings were drilled using truck-mounted hollow-stem auger drill equipment. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D 3550). The brass-rings have an inside diameter of 2.42 inches. The ring samples were driven into the soil by a 140-pound hammer dropping 30 inches. The number of blows needed to drive the sampler into the soil was recorded as the penetration resistance.

At selected locations, disturbed samples were obtained using a split-spoon sampler by means of the Standard Penetration Test (SPT, ASTM D 6066). The spoon sampler was driven into the soil by a 140-pound hammer dropping 30 inches, employing the “free-fall” hammer described above. After an initial seating drive of 6 inches, the number of blows needed to drive the sampler into the soil a depth of 12 inches was recorded as the penetration resistance. These values are the raw uncorrected blow counts.

The field explorations for the investigation were performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the borings, classified the soils encountered, and obtained relatively undisturbed samples for examination and laboratory testing. The soils encountered in the borings were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the borings are presented in Figures A-1 through A-4 in this appendix. Upon completion of the sampling of hollow-stem auger borings, the holes were backfilled with the excavated soils.

The boring locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from an A.L.T.A./N.S.P.S. Land Title Survey Sheet 1 of 1, dated 5/13/19, by Madole and Associates, Inc., and should be considered approximate.

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	Fill: **SILTY SAND (SM)** brown, dry	
11.1	114	27	D		Natural: **SILTY SAND (SM)** brown, moist, medium dense, trace gravel	1385
10.6		8	S	5	@ 5 feet, loose, fine to medium grained	
3.9	120	53	D		**SAND WITH SILT AND GRAVEL (SP-SM)** light brown, slightly moist, dense, trace cobble	1380
3.6		22	S	10	@ 10 feet, medium dense	
						1375
2.6	119	90/11"	D	15	@ 15 feet, dry, very dense	
						1370
3.6		16/50/6"	S	20	@ 20 feet, slightly moist	
						1365
5.7	116	50/5"	D	25	**SILTY SAND (SM)** brown, slightly moist, very dense, some gravel	
					@ 27 to 30 feet, rig chattering	1360
3.6		50/6"	S	30	@ 30 feet, some cobble	
						1355
3.5		50/4"	D	35		
					Total Depth 36 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-1

FIGURE A-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Possible Fill: **SILTY SAND (SM)** light brown, dry, trace gravel	1370
0.7		15	S		@ 2 feet, medium dense, little cobble	
					Natural: **SILTY SAND (SM)** light brown, dry, very dense	
1.4	105	50/5"	D	5		
2.3		50/4"	S		**SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, very dense	1365
4.9	121	83/11"	D	10	@ 10 feet, slightly moist	1360
		50/3"	S	15	@ 15 feet, no recovery	1355
3.1		19/50/5"	S	20		
					Total Depth 21.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-2

FIGURE A-2

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Fill: **SILTY SAND (SM)** light brown, dry, few cobble (3 to 12 inch diameter)	
1.0		39	S		Natural: **SILTY SAND (SM)** light brown, dry, dense, trace cobble	1370
2.3	118	53	D	5	**SAND WITH SILT AND GRAVEL (SP-SM)** light brown, slightly moist, dense	
6.8		28	S		**SILTY SAND (SM)** light brown, slightly moist, medium dense	1365
3.9	116	43	D	10	**SAND WITH SILT (SP-SM)** brown, slightly moist, dense, trace gravel	
					SILTY SAND (SM) brown, slightly moist, dense	1360
7.2		47	S	15	**SAND WITH SILT (SP-SM)** light brown, moist, dense, trace gravel and cobble	
						1355
3.1	115	50/6"	D	20	@ 20 feet, slightly moist, very dense	
						1350
3.6		24/50/6"	S	25		
						1345
		50/3"	D	30	@ 30 feet, no recovery	
						1340
4.5		71	S	35	@ 35 feet, slightly moist to moist	
					Total Depth 36.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-3

FIGURE A-3

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	Fill: **SILTY GRAVEL WITH SAND (GM)** light brown, dry, trace cobbles (up to 12 inch diameter)	1370
7.6	106	41	D		Natural: **SILTY SAND WITH GRAVEL (SM)** brown, moist, medium dense, trace cobble	
8.5		9	S	5	@ 5 feet, loose	1365
4.4	123	60	D		**SAND WITH SILT (SP-SM)** brown, slightly moist, dense, coarse, trace gravel	
5.0		25	S	10	@ 10 feet, medium dense	1360
2.8	110	54	D	15	@ 15 feet, dense	1355
4.6		21	S	20	@ 20 feet, medium dense	1350
3.6	118	50/6"	D	25	**SAND (SP)** light brown,slightly moist, very dense, trace gravel	1345
3.8		15/77/9"	S	30	**SAND WITH SILT (SP-SM)** light brown, slightly moist, very dense, trace gravel, 1-inch lens of silty sand at 31 feet @32 feet, rig chattering	1340
3.4	109	58	D	35	@ 35 feet, slightly moist, dense	1335
					Total Depth 36 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-5-19

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I

OLIVE GROVE BUSINESS PARK

LOG OF BORING NO. B-4

FIGURE A-4

APPENDIX B

APPENDIX B

EXPLORATORY TEST PITS

The subsurface conditions at the site were investigated by excavating and sampling ten exploratory test pits. The excavations were advanced to depths of approximately 5 feet below the existing ground surface using a backhoe. The locations of the explorations are shown on the Site Plan, Figure 2.

The field exploration for the investigation was performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the test pits, and classified the soils encountered. The soils encountered in the test pits were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the explorations are presented in Figures B-1 to B-10 in this appendix.

The test pit locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from an A.L.T.A./N.S.P.S. Land Title Survey Sheet 1 of 1, dated 5/13/19, by Madole and Associates, Inc., and should be considered approximate.

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes less than 1 inch	
						@ 3 feet, moist, few gravel, probes 1-inch	
						@ 4 feet, some angular gravel	1380
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-1

FIGURE B-1

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	1380
						@ 1 foot, probes 2-3 inches	
						@ 3.5 feet, some gravel and rounded cobbles (up to 4 inches), probes 1-inch	
					5	**GRAVEL WITH SAND (GP)** some cobbles (up to 4 inches)	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-2

FIGURE B-2

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, some gravel and cobbles (3 to 5 inches), probes 1-inch	
						@ 1 foot, probes less than 1-inch	
						GRAVEL WITH SAND (GP) brown, slightly moist, probes less than 1-inch, some cobbles	
						@ 4 feet, probes 2-inches	
					5		1370
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-3

FIGURE B-3

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0		
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes 2-inches, some cobbles and rounded boulders up to 22 inches in diameter	
						@ 2 feet, probes 1-inch	
						@ 3 feet, probes less than 1-inch	
					5		1370
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-4

FIGURE B-4

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, little gravel	
						@ 1 foot, moist	
						@ 3 feet, some rounded gravel	1375
						SANDY GRAVEL (GP) light brown, slighlty moist, some cobbles (3 to 5 inches)	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-5

FIGURE B-5

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, few gravel	
						@ 1 foot, probes 1-2 inches, trace gravel	
						@ 2 feet, probes less than 1-inch	
						@ 3 feet, little gravel	1375
						SAND WITH SILT AND GRAVEL (SP-SM) light brown, slightly moist, probes less than 1-inch	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-6

FIGURE B-6

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Fill: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	
						@ 2 feet, with roots	1370
						Natural: **SILTY SAND WITH GRAVEL (SM)** light brown, slightly moist, probes 1-inch	
					5	@ 4.5 feet, some rounded cobbles (3 to 5 inches)	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-7

FIGURE B-7

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, moist, trace gravel, probes 1 to 2 inches	
						@ 3 feet, brown, probes 1-inch, with rounded gravel	1370
					5	**SAND WITH GRAVEL (SP)** brown, moist, probes less than 1-inch	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-8

FIGURE B-8

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, trace gravel	
						@ 1.5 feet, some cobbles	
						@ 3 feet, probes less than 1-inch	
						SAND WITH GRAVEL (SP) light brown, slightly moist, probes less than 1-inch, some cobbles	
					5		1360
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-9

FIGURE B-9

PROBE (IN)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Natural: **SILTY SAND (SM)** light brown, slightly moist, probes 1-inch, some gravel and cobbles	1365
						GRAVEL WITH SAND (GP) light brown, slightly moist, probes 1 inch, some cobbles	
						SAND WITH SILT (SP-SM) light brown, slightly moist, probes 1-inch, some gravel and cobbles 3 to 5 inches	
					5	Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 9-10-19
EQUIPMENT USED: Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

PROJECT NO.: 2963.I
OLIVE GROVE BUSINESS PARK

LOG OF TEST PIT TP-10

FIGURE B-10

APPENDIX C

APPENDIX C

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density were determined from a number of the ring and SPT samples from the borings. The samples were first trimmed to obtain volume and wet weight and then were dried in accordance with ASTM D 2216. After drying, the weight of each sample was measured, and moisture content and dry density were calculated. Moisture content and dry density values are presented on the boring logs in Appendix A.

PERCENTAGE PASSING NO. 200 SIEVE

Select soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. For select samples, the retained material was then run through a standard set of sieves in accordance with ASTM D 422 to classify the coarse fraction of representative sample. A summary of the percentages passing the No. 200 sieve is presented below. The grain size distribution data obtained from the full sieve analyses are presented in Figure C-1.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-1	0-5	Silty Sand (SM)	45
B-3	15	Sand with Silt (SP-SM)	7
B-3	20	Sand with Silt (SP-SM)	5
B-4	0-5	Silty Gravel with Sand (GM)	16
B-4	15	Sand with Silt (SP-SM)	6

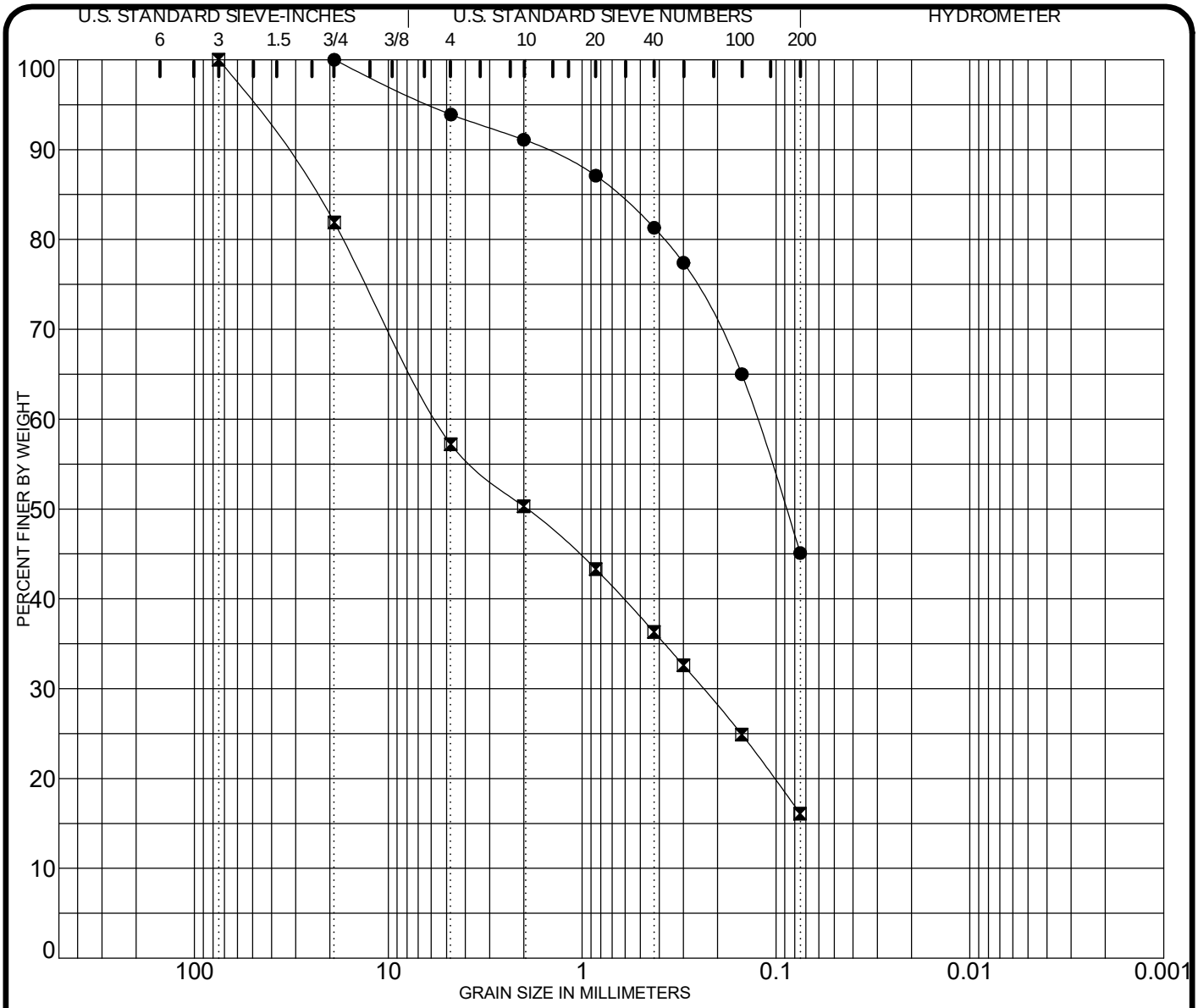
DIRECT SHEAR

A direct shear test was performed on undisturbed samples in accordance with ASTM D 3080. The sample was placed in the shear machine, and pre-selected normal loads were applied. The samples were inundated, allowed to consolidate, and then were sheared to failure at a strain rate of 0.002 inches per minute. The tests were repeated on additional test specimens under increased normal loads. Shear stress and sample deformation were monitored throughout the test. The results of the direct shear test are presented in Figure C-2.

COMPACTION TEST

A maximum dry density/optimum moisture test was performed in accordance with ASTM D1557 on a representative bulk sample of the surficial soils. The test results are as follows.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	OPTIMUM MOISTURE (%)	MAXIMUM DRY DENSITY (pcf)
B-3	0-5	Silty Sand (SM)	8	133



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Location		Classification	MC%	LL	PL	PI	Cc	Cu
●	B-1	0.0	SILTY SAND (SM)						
⊠	B-4	0.0	SILTY GRAVEL with SAND (GM)						

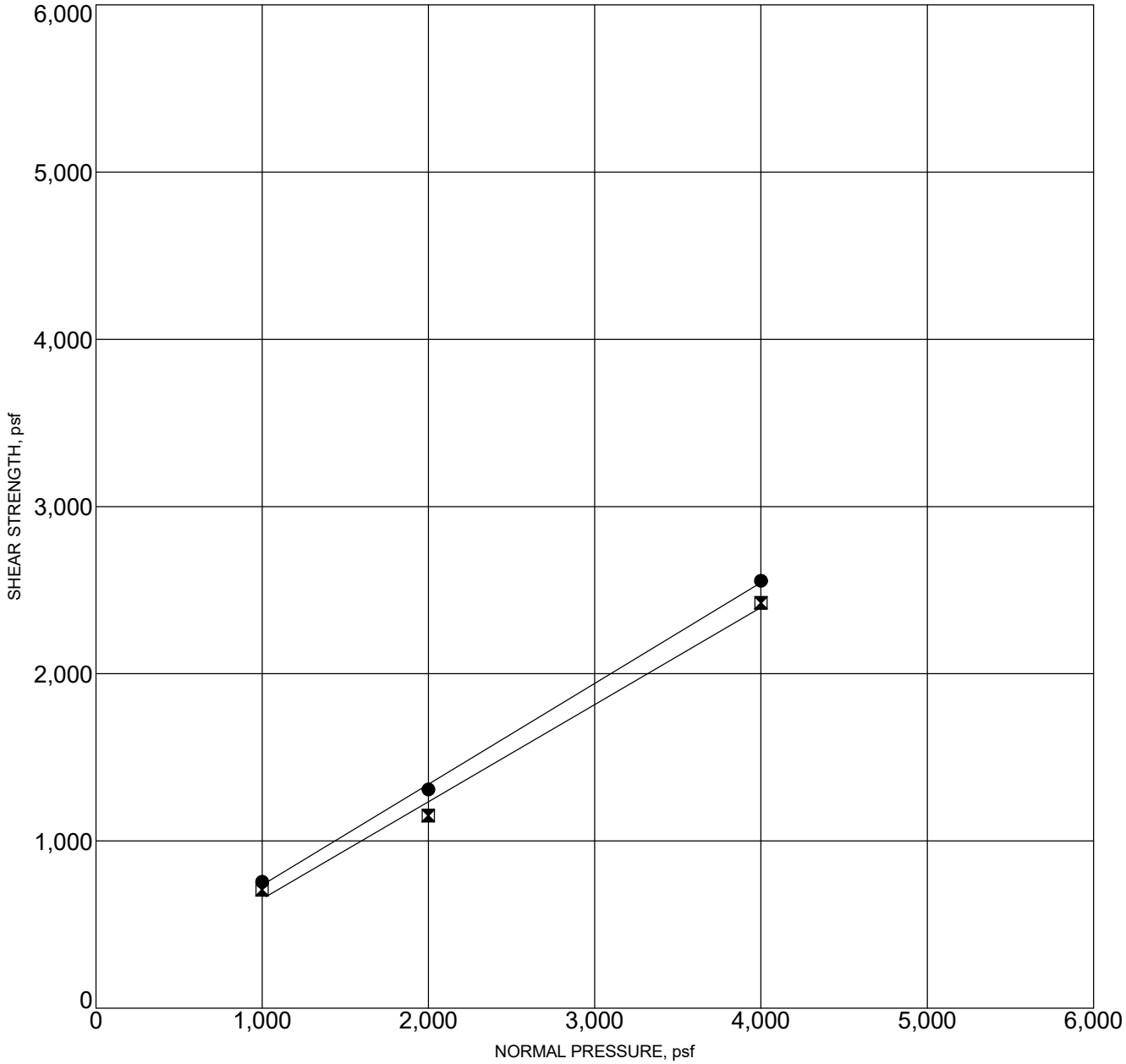
	Sample Location		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-1	0.0	19.00	0.13			6.1	48.8	45.1	
⊠	B-4	0.0	75.00	5.56	0.237		42.8	41.1	16.1	

PROJECT: OLIVE GROVE BUSINESS PARK PROJECT NO. 2963.I

GPI

GRAIN SIZE DISTRIBUTION

FIGURE C-1



● **PEAK STRENGTH**
Friction Angle= 31 degrees
Cohesion= 132 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 72 psf

Note: Samples remolded to 90% of maximum dry density

Sample Location		Classification	DD,pcf	MC,%
B-3	0-5	SILTY SAND (SM)	133	8.0

PROJECT: OLIVE GROVE BUSINESS PARK PROJECT NO.: 2963.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE C-2

APPENDIX F

HYDROLOGIC CONDITIONS OF CONCERN EXEMPTION DOCUMENTATION

Figure F-1

PROJECT SITE

Ranchero Basin
Mojave River
Mojave River Forks Dam, COE [DSOD]
Horsethief Canyon
Cleghorn Canyon
Sawpit Canyon
Deep Creek
Grout Creek
Sand Canyon Creek
Bear/Bear Creek
Cajon Creek Wash
Lytle Creek Wash
I 215
Bailey Basin
Devil Basin #4
Devil Basin #7
Wiggins Basin #1
Sycamore Basin
Waterman Basin #1
Waterman Spreading Grounds
Twin Creek Spreading Grounds
Day Creek Dam [DSOD]
Hillside Basin, COE
San Antonio Dam
Demens Basin #2
Rich Basin
San Antonio Basin #2
San Antonio Basin #5
San Sevaine Basin #5 [DSOD]
STATE HWY 210
I 15
Cactus Basin #5
Cactus Basin #3b
Cactus Basin #2
Lytle Creek Gatehouse, COE
Sand Canyon Basin
Dynamite Basin
Patton Basin
Cook Canyon Basin
Perris Hill Basin
Bledsoe Basin
City Creek Spreading Grounds
Seven Oaks Dam, COE [DSOD]
Seven Oaks Dam, COE
Plunge Creek Spreading Grounds
Cucamonga Basin #6
San Antonio Basin #8
San Antonio Basin #9
College Heights Basin #1
College Heights Basin #4
Montclair Basin #1
Montclair Basin #2
Montclair Basin #4
Church Street Basin
8th Street Basin #1
Turner Basin #1
Victoria Basin
Banana Basin
Linden Basin
Warm Creek Conservation Basin #4
Etiwanda Conservation Basin
Jurupa Basin [DSOD]
Wineville Basin
Riverside Basin
Declez Basin [DSOD]
Ely Basin #2
Brooks Basin
Grove Avenue Basin
Lower Cucamonga Sprdg Grnds
STATE HWY 60
STATE HWY 71
Cypress Channel
STATE HWY 71
Prado Dam
STATE 91
Santa Ana River
Mill Creek
Zanja Creek
Morrey Arroya
Oak Glen Creek
Wilson Creek Basin #3
Potato Creek Spreading Grounds
13th Street Basin
San Timoteo Sediment Basin #3
Mountain View Basin
San Timoteo Sediment Basin #13
San Timoteo Sediment Basin #13
Yucaipa Creek
Live Oak Creek
Wildwood Basin #2
H01 H02 H02A H02B H03 H04 H05 H06 H07 H08 H09 H10 H11 H12 H13
A B C E F G I J U W
I II III IV V VI VII VIII IX X XIII

Legend

- Regional Board Boundary
- County Boundary

DrainageCourse

- <all other values>

Hydromodification

- EHM
- Low
- Medium
- High
- High (Default)

- Government Land
- State of California Land
- United States of America Land
- City Boundary
- Freeways
- Basins and Dams

HCOC Exempt Areas

- None Exempt

HCOC Exempt

A, B, C, E, F, G, H01, H02, H02A, H02B, H03, H04, H05, H06, H07, H08, H09, H10, H11, H12, I, II, III, IV, IX, J, U, V, VI, VII, VIII, W, X, XIII

Hydromodification

A.1 Hydrologic Conditions of Concern (HCOC) Analysis

HCOC Exemption:

1. **Sump Condition:** All downstream conveyance channel to an adequate sump (for example, Prado Dam, Santa Ana River, or other Lake, Reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Sensitivity Maps.

2. **Pre = Post**: The runoff flow rate, volume and velocity for the post-development condition of the Priority Development Project do not exceed the pre-development (i.e, naturally occurring condition for the 2-year, 24-hour rainfall event utilizing latest San Bernardino County Hydrology Manual.

    a. Submit a substantiated hydrologic analysis to justify your request.

3. **Diversion to Storage Area**: The drainage areas that divert to water storage areas which are considered as control/release point and utilized for water conservation.

    a. See Appendix F for the HCOC Exemption Map and the on-line Watershed Geodatabase (http://sbcounty.permitrack.com/wap) for reference.

4. **Less than One Acre**: The Priority Development Project disturbs less than one acre. The Co-permittee has the discretion to require a Project Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The project disturbs less than one acre and is not part of a common plan of development.

5. **Built Out Area**: The contributing watershed area to which the project discharges has a developed area percentage greater than 90 percent.

    a. See Appendix F for the HCOC Exemption Map and the on-line Watershed Geodatabase (http://sbcounty.permitrack.com/wap) for reference.

Summary of HCOC Exempted Area

	HCOC Exemption reasoning				
	1	2	3	4	5
Area					
A			X		X
B			X		
C					X
E			X		
F					X
G			X		X
H01	X		X		
H02	X		X		
H02A	X		X		
H02B			X		
H03			X		
H04	X		X		
H05	X				
H06			X		
H07	X				
H08	X		X		
H09	X				
H10	X		X		
H11	X		X		
H12	X				
J			X		
U			X		
W			X		
I			X		
II			X		
III					X
IV			X		X
V			X*		
VI					X
VII					X
VIII			X		
IX					X
X			X		
XIII			X		

*Detention/Conservation Basin

APPENDIX J

ACOUSTICAL ASSESSMENT

Acoustical Assessment
Olive Avenue Industrial Warehouse Project
City of Rialto, California

Prepared by:

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714.939.1030

June 2021

TABLE OF CONTENTS

1 INTRODUCTION
1.1 Project Location 1
1.2 Project Description 1

2 ACOUSTIC FUNDAMENTALS
2.1 Sound and Environmental Noise 6
2.2 Groundborne Vibration 10

3 REGULATORY SETTING
3.1 Federal 12
3.2 State of California 12
3.3 Local 12

4 EXISTING CONDITIONS
4.1 Existing Noise Sources 17
4.2 Noise Measurements 18
4.3 Sensitive Receptors 20

5 SIGNIFICANCE CRITERIA AND METHODOLOGY
5.1 CEQA Threshsolds 21
5.2 Methodology 22

6 POTENTIAL IMPACTS AND MITIGATION
6.1 Acoustical Impacts 23
6.2 Cumulative Noise Impacts 31

7 REFERENCES
References 34

TABLES
Table 1 Building Summary 2
Table 2 Typical Noise Levels 6
Table 3 Definitions of Acoustical Terms 7
Table 4 Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations 10
Table 5 Rialto Noise Guidelines for Land Use Planning 14
Table 6 Permitted Hours of Construction Work 15
Table 7 Existing Traffic Noise Levels 17
Table 8 Existing Noise Measurements 18
Table 9 Sensitive Receptors 20
Table 10 Typical Construction Noise Levels 23
Table 11 Project Construction Noise Levels 24
Table 12 Construction Traffic Noise Levels 25
Table 13 Operatioal Noise 28
Table 14 Opening Year Traffic Noise Levels 28
Table 15 Typical Construction Equipment Vibration Levels 30
Table 17 Opening Year Plus Project Conditions Predicted Traffic Noise Levels 32

EXHIBITS
Exhibit 1 Regional Location Map 3
Exhibit 2 Project Vicinity Map 4

Exhibit 3 Conceptual Site Plan 5
Exhibit 4 Noise Measurement Locations 19

APPENDICES

Appendix A: Noise Measurement and Modeling Data

LIST OF ABBREVIATED TERMS

APN	Assessor's Parcel Number
ADT	average daily traffic
dBA	A-weighted sound level
CEQA	California Environmental Quality Act
CLSP	California Landings Specific Plan
CSMA	California Subdivision Map Act
CNEL	community equivalent noise level
L_{dn}	day-night noise level
dB	decibel
du/ac	dwelling units per acre
L_{eq}	equivalent noise level
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating ventilation and air conditioning
Hz	hertz
HOA	homeowner's association
in/sec	inches per second
L_{max}	maximum noise level
µPa	micropascals
L_{min}	minimum noise level
PPV	peak particle velocity
RMS	root mean square
VdB	vibration velocity level

1 INTRODUCTION

This report documents the results of an Acoustical Assessment completed for Olive Avenue Development Warehouse Project. The purpose of this Acoustical Assessment is to evaluate the potential construction and operational noise and vibration levels associated with the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project site is located north of Baseline Road and east of Fitzgerald Avenue in the City of Rialto, in San Bernardino County. The project site is located southeast of Rialto Municipal Airport and south of Jerry Eaves Park. The project site is currently vacant and is bounded by Jerry Eaves Public Park to the north, vacant land and single-family residential uses to the east, West Baseline Road and single-family residential uses to the south, and vacant land and industrial uses to the west. The 31.6-acre site is located approximately one-mile south the Foothill Freeway (SR-210), Seven miles east of Interstate 15 (I-15), One mile north of Route 66 (RTE-66), and Five miles west of San Bernardino Freeway (SR-215); refer to Exhibit 1: Regional Location Map and Exhibit 2: Project Vicinity Map**.**

1.2 Project Description

The Project is proposing to develop an existing vacant property (location as referenced above) that would include the construction of a campus oriented industrial project with two primary, divisible, buildings consisting of approximately 10,000 square feet of office/mezzanine space, 866 square feet for exterior building sprinkler fire pumps, and 668,741 square feet of warehouse space for a total of 679,607 square feet on approximately 31.08 net acres. The Owner is proposing to split the existing property (referenced as Assessor Parcel No. (APN) 0264-213-18) from one large lot into two lots to allow for each of the two proposed buildings to each have their own legal parcel.

As shown in Exhibit 3: Conceptual Site Plan, Building 1 (west building) and Building 2 (east building) have been architecturally designed to allow for multiple units in various increments based on tenant demand. Exhibit 3 shows that Building 1 can be divided into 4 or more units and Building 2 can be divided into 3 or more units, each with a separate point of entry into the buildings. For noise modeling purposes, the Project is assumed to operate 24 hours per day, seven days per week.

Existing General Plan Land Use and Zoning Designations

The Project site is zoned for Industrial Park land Use. Adjacent properties to the north are zoned for open space resources and open space recreation uses. Properties to the west are zoned for a specific site plan: Renaissance site. The properties to the south are zoned for residential and open space resources. Properties zoned for residential and Community commercial are due east of the Project site.

Warehouse Facility

The proposed Project consists of two warehouse buildings for a total of 679,390 square feet; refer to Table 1: Building Summary. Building “1” would include 425,148 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump. Building “2” would include 243,376 square feet of warehouse area, 5,000 square feet of office space, and 433 feet designated for a fire pump.

Table 1: Building Summary

Building	Warehouse (sf)	Office Mezzanine (sf)	Fire Pump (sf)	Total Building (sf)	Parking			Landscaping (sf)
					Automobiles	Truck/Trailer Stalls	Loading Docks	
1	425,148	5,000	433	430,581	308	64	48	97,826
2	243,593	5,000	433	249,026	197	58	31	79,031

Notes: sf = square feet

Site Access

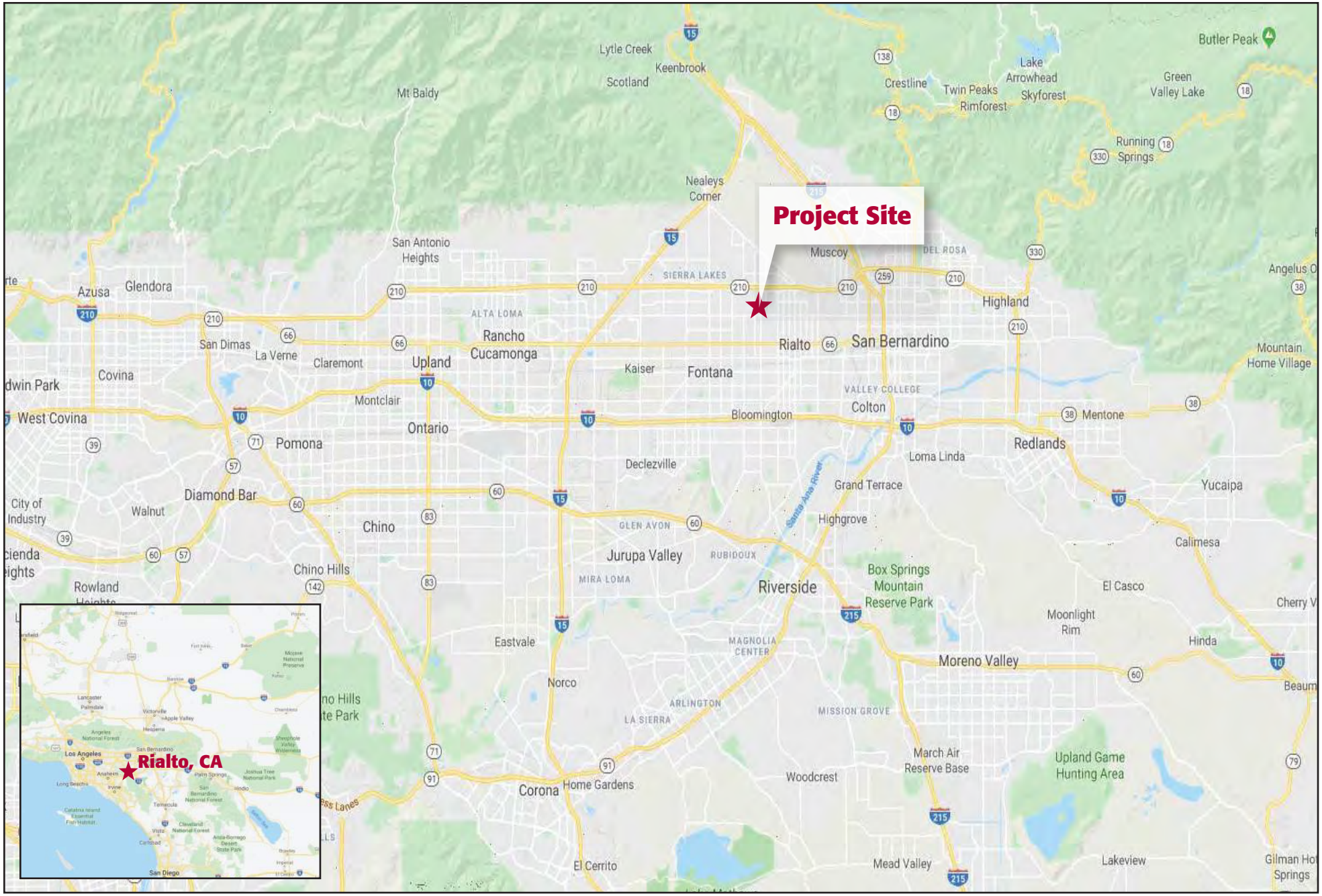
Vehicular access provisions for the project site would consist of three driveways on Baseline Road. Passenger vehicles would access the site via all three driveways. The center driveway would be signalized and would provide truck and passenger vehicle ingress/egress to the site. The eastern and western driveways would be right-in right-out and would be dedicated to passenger and emergency vehicles. Street improvements to Baseline Road may consist of the following: sidewalk, parkway landscaping, curb and gutter, median improvements, bike lanes, dry utility undergrounding, streetlights, fire hydrants, traffic signal equipment (center driveway intersection), rehabilitation of existing asphalt pavement, offsite utility connections, and signing and striping, as required by the City. Off-site improvements would include construction of a new signalized intersection at Idyllwild Avenue and Baseline Road to provide signalized access to the residences south of Baseline Road and construction of a new signalized intersection at the center of the Project along Baseline Road to allow for direct truck access into and out of the Project.

Parking

The Project provides 505 automobile parking stalls, exceeding the requirement of 414 automobile parking stalls. Additionally, 122 trailer parking spaces and 79 loading docks are provided.

Landscaping

Landscaping is required by City code to cover 10% of each lot and based on the proposed Project would cover approximately 12.27% (97,826 square feet) on Parcel 1 and 14.17% (79,031 square feet) on Parcel 2 of the site. Landscaping would be installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 18.61.250 and Section 18.61.270 which specify landscape design guidelines for industrial districts.



Source: Google Maps, 2019

Exhibit 1: Regional Location Map
Olive Avenue Development
Rialto, CA

Not to scale

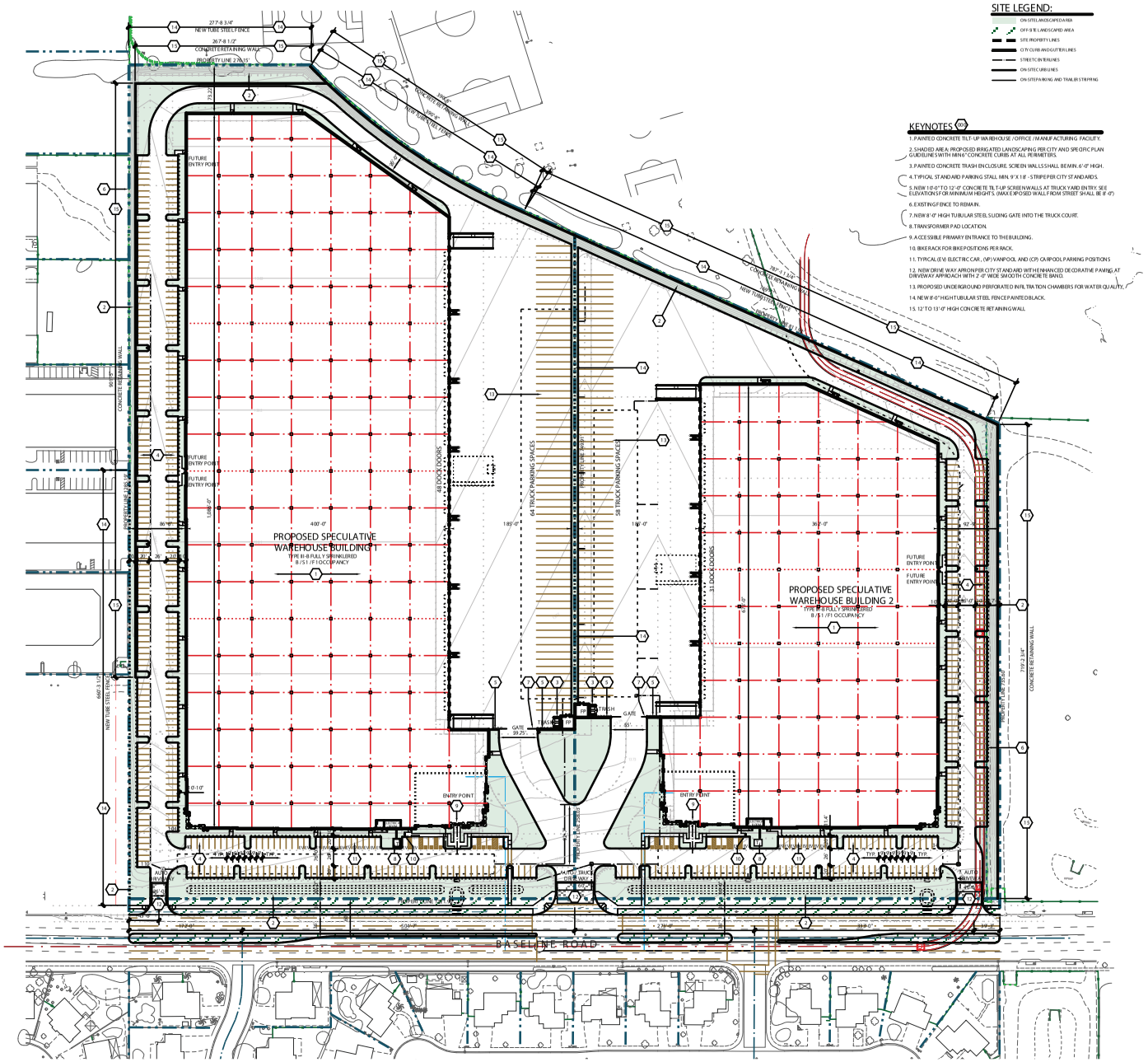
Kimley»Horn

Source: Google Earth, 2019

Exhibit 2 : Project Vicinity Map
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn



Source: RGA, Office of Architectural Design, Inc.

Exhibit 3: Conceptual Site Plan
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn

2 ACOUSTIC FUNDAMENTALS

2.1 Sound and Environmental Noise

Acoustics is the science of sound. Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a medium (e.g. air) to human (or animal) ear. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or hertz (Hz).

Noise is defined as loud, unexpected, or annoying sound. In acoustics, the fundamental model consists of a noise source, a receptor, and the propagation path between the two. The loudness of the noise source, obstructions, or atmospheric factors affecting the propagation path, determine the perceived sound level and noise characteristics at the receptor. Acoustics deal primarily with the propagation and control of sound. A typical noise environment consists of a base of steady background noise that is the sum of many distant and indistinguishable noise sources. Superimposed on this background noise is the sound from individual local sources. These sources can vary from an occasional aircraft or train passing by to continuous noise from traffic on a major highway. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a large range of numbers. To avoid this, the decibel (dB) scale was devised. The dB scale uses the hearing threshold of 20 micropascals (µPa) as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The dB scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels correspond closely to human perception of relative loudness. Table 2: Typical Noise Levels provides typical noise levels.

Table 2: Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	– 110 –	Rock Band
Jet fly-over at 1,000 feet		
	– 100 –	
Gas lawnmower at 3 feet		
	– 90 –	
Diesel truck at 50 feet at 50 miles per hour		Food blender at 3 feet
	– 80 –	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	**– 70 –**	Vacuum cleaner at 10 feet
Commercial area		Normal Speech at 3 feet
Heavy traffic at 300 feet	**– 60 –**	
		Large business office
Quiet urban daytime	**– 50 –**	Dishwasher in next room
Quiet urban nighttime	**– 40 –**	Theater, large conference room (background)
Quiet suburban nighttime		
	– 30 –	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	– 20 –	
		Broadcast/recording studio
	– 10 –	
Lowest threshold of human hearing	**– 0 –**	Lowest threshold of human hearing

Source: California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, September 2013.

Noise Descriptors

The dB scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. The equivalent noise level (L_{eq}) represents the continuous sound pressure level over the measurement period, while the day-night noise level (L_{dn}) and Community Equivalent Noise Level (CNEL) are measures of energy average during a 24-hour period, with dB weighted sound levels from 7:00 p.m. to 7:00 a.m. Most commonly, environmental sounds are described in terms of L_{eq} that has the same acoustical energy as the summation of all the time-varying events. Each is applicable to this analysis and defined in Table 3: Definitions of Acoustical Terms.

Table 3: Definitions of Acoustical Terms

Term	Definitions
Decibel (dB)	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in µPa (or 20 micronewtons per square meter), where 1 pascals is the pressure resulting from a force of 1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in dB as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g. 20 µPa). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency (Hz)	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level (dBA)	The sound pressure level in dB as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level (L_{eq})	The average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
Maximum Noise Level (L_{max}) Minimum Noise Level (L_{min})	The maximum and minimum dBA during the measurement period.
Exceeded Noise Levels (L_{01}, L_{10}, L_{50}, L_{90})	The dBA values that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day-Night Noise Level (L_{dn})	A 24-hour average L_{eq} with a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity at nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn}.
Community Noise Equivalent Level (CNEL)	A 24-hour average L_{eq} with a 5 dBA weighting during the hours of 7:00 a.m. to 10:00 p.m. and a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.7 dBA CNEL.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

The A-weighted decibel (dBA) sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends on the distance between the receptor and the noise source.

A-Weighted Decibels

The perceived loudness of sounds is dependent on many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by dBA values. There is a strong correlation between dBA and the way the human ear perceives sound. For this reason, the dBA has become the standard tool of environmental noise assessment. All noise levels reported in this document are in terms of dBA, but are expressed as dB, unless otherwise noted.

Addition of Decibels

The dB scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic dB is A-weighted, an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound. When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dBA higher than one source under the same conditions. Under the dB scale, three sources of equal loudness together would produce an increase of 5 dBA.

Sound Propagation and Attenuation

Sound spreads (propagates) uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB for each doubling of distance from a stationary or point source. Sound from a line source, such as a highway, propagates outward in a cylindrical pattern. Sound levels attenuate at a rate of approximately 3 dB for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics. No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed. For line sources, an overall attenuation rate of 3 dB per doubling of distance is assumed.

Noise levels may also be reduced by intervening structures; generally, a single row of buildings between the receptor and the noise source reduces the noise level by about 5 dBA, while a solid wall or berm reduces noise levels by 5 to 10 dBA. The way older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. The exterior-to-interior reduction of newer residential units is generally 30 dBA or more.

Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA. Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semi-commercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in dBA, the following relationships should be noted:

- Except in carefully controlled laboratory experiments, a 1-dBA change cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A minimum 5-dBA change is required before any noticeable change in community response would be expected. A 5-dBA increase is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

Effects of Noise on People

Hearing Loss

While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise. The Occupational Safety and Health Administration has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA averaged over 8 hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

Annoyance

Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise

and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. A noise level of about 55 dBA L_{dn} is the threshold at which a substantial percentage of people begin to report annoyance[1].

2.2 Groundborne Vibration

Sources of groundborne vibrations include natural phenomena (earthquakes, volcanic eruptions, sea waves, landslides, etc.) or man-made causes (explosions, machinery, traffic, trains, construction equipment, etc.). Vibration sources may be continuous (e.g. factory machinery) or transient (e.g. explosions). Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. The RMS velocity is defined as the average of the squared amplitude of the signal. The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

Table 4: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations, displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Table 4: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations

Maximum PPV (in/sec)	Vibration Annoyance Potential Criteria	Vibration Damage Potential Threshold Criteria	FTA Vibration Damage Criteria
0.008	--	Extremely fragile historic buildings, ruins, ancient monuments	--
0.01	Barely Perceptible	--	--
0.04	Distinctly Perceptible	--	--
0.1	Strongly Perceptible	Fragile buildings	--
0.12	--	--	Buildings extremely susceptible to vibration damage
0.2	--	--	Non-engineered timber and masonry buildings
0.25	--	Historic and some old buildings	--
0.3	--	Older residential structures	Engineered concrete and masonry (no plaster)
0.4	Severe	--	--
0.5	--	New residential structures, Modern industrial/commercial buildings	Reinforced-concrete, steel or timber (no plaster)

PPV = peak particle velocity; in/sec = inches per second; FTA = Federal Transit Administration

Source: California Department of Transportation, *Transportation and Construction Vibration Guidance Manual*, 2020 and Federal Transit administration, Transit Noise and Vibration Assessment Manual, 2018.

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be

[1] Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, August 1992.

perceptible. Common sources for groundborne vibration are planes, trains, and construction activities such as earth-moving which requires the use of heavy-duty earth moving equipment. For the purposes of this analysis, a PPV descriptor with units of inches per second (in/sec) is used to evaluate construction-generated vibration for building damage and human complaints.

3 REGULATORY SETTING

To limit population exposure to physically or psychologically damaging as well as intrusive noise levels, the Federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise.

3.1 Federal

Federal Transit Administration Noise and Vibration Guidance

The Federal Transit Administration (FTA) has published the Transit Noise and Vibration Impact Assessment Manual to provide guidance on procedures for assessing impacts at different stages of transit project development. The report covers both construction and operational noise impacts and describes a range of measures for controlling excessive noise and vibration. In general, the primary concern regarding vibration relates to potential damage from construction. The guidance document establishes criteria for evaluating the potential for damage for various structural categories from vibration.

3.2 State of California

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 CNEL and "conditionally acceptable" up to 70 CNEL. Multiple-family residential uses are "normally acceptable" up to 65 CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 CNEL, as are office buildings and business, commercial, and professional uses.

Title 24 – Building Code

The State's noise insulation standards are codified in the California Code of Regulations, Title 24: Part 1, Building Standards Administrative Code, and Part 2, California Building Code. These noise standards are applied to new construction in California for interior noise compatibility from exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential buildings, schools, or hospitals, are located near major transportation noise sources, and where such noise sources create an exterior noise level of 65 dBA CNEL or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new multi-family residential buildings, the acceptable interior noise limit for new construction is 45 dBA CNEL.

3.3 Local

City of Rialto General Plan

The City of Rialto is a roadmap that encompasses the hopes, aspirations, values, and dreams of the community. The City of Rialto General Plan (RGP) specifies exterior noise guidelines for land uses in the Safety and Noise chapter. The City requires that new developments be designed to meet these guidelines[2]. Noise compatibility can be achieved by avoiding the location of conflicting land uses adjacent to one another, incorporating buffers and noise control techniques including setbacks, landscaping, building transitions, site design, and building construction techniques. Selection of the appropriate noise control technique would vary depending on the level of noise that needs to be reduced as well as the location and intended land use. RGP policies that directly address reducing and avoiding noise or vibration impacts include the following:

Goal 5-10: Minimize the impact of point source and ambient noise levels throughout the community.

Policy 5-10.1: Revise the City's noise ordinance to address ongoing noise issues by using quantitative noise limits where appropriate and establishing comprehensive noise control measures.

Policy 5-10.2: Consider noise impacts as part of the development review process, particularly he location of parking, ingress/egress/loading, and refuse collection areas relative to surrounding residential development and other noise-sensitive land uses.

Policy 5-10.3: Ensure that acceptable noise levels are maintained near schools, hospitals, and other noise sensitive areas in accordance with the RMC (Rialto Municipal Code) and noise standards contained in Exhibit 5-5.

Policy 5-10.4: Limit the hours of operation at all noise generation sources that are adjacent to noise-sensitive areas.

Policy 5-10.5: Require all exterior noise sources (construction operations, air compressors, pumps, fans and leaf blowers) to use available noise suppression devices and techniques to reduce exterior noise to acceptable levels that are compatible with adjacent land uses.

Goal 5-11: Minimize the impacts of transportation-related noise.

Policy 5-11.1: Work with responsible Federal and State agencies to minimize the impact of transportation-related noise, including noise associated with freeways, major arterials, and Metrolink and other rail lines.

Policy 5-11.2: Require development which is, or will be, affected by railroad noise to include appropriate measures to minimize adverse noise effects on residents and business persons.

Policy 5-11.3: Require development of truck-intensive uses to minimize noise impacts on adjacent uses through appropriate site design.

[2] City of Rialto, *General Plan Chapter 5,* 2010.

Policy 5-11.4: Develop a program for monitoring noise levels and investigating complaints.

Policy 5-11.5: Provide education to the community at large about the importance of maintaining a healthy noise environment, and identify ways residents can assist in noise abatement efforts.

The City of Rialto is largely built out and the street system is well established, creating challenges for separating noise-sensitive land uses from primary noise sources. Thus, the Safety and Noise chapter of the RGP establishes policies guarding against new noise or land use conflicts to minimize the impact of existing noise sources on the community. Table 5: Rialto Noise Guidelines for Land Use Planning presents the City's exterior noise guidelines for land use planning. It should also be noted that the Safety and Noise chapter of the RGP mentions sound levels exceeding 40 to 45 dBA are generally considered to cause sleep interference within a residence. The RGP also references Title 24 of the California Health and Safety Code stipulating a maximum of 45 dBA for interior residential noise levels.

Table 5: Rialto Noise Guidelines for Land Use Planning

Land Use Category	Community Noise Exposure (L_{dn} or CNEL, dBA)			
	Normally Acceptable	Conditionally Acceptable	Normally Unacceptable	Clearly Unacceptable
R2 - Residential 2, R6 - Residential 6	50 – 60	60 – 65	65 – 70	70 – 85
R12 - Residential 12	50 – 60	60 – 65	65 – 70	70 – 85
R21 - Residential 21, R45 - Residential 45	50 – 60	60 – 70	70 – 75	75 – 85
DMU - Downtown Mixed-Use	50 – 60	60 – 75	75 – 80	80 – 85
CC - Community Commercial	50 – 65	65 – 75	75 – 80	80 – 85
GC - General Commercial	50 – 65	65 – 75	75 – 80	80 – 85
BP - Business Park, O - Office	50 – 65	65 – 75	75 – 80	80 – 85
LI - Light Industrial	50 – 70	70 – 75	75 – 80	80 – 85
GI - General Industrial	50 – 75	75 – 85	NA	NA
P - Public Facility, P - School Facility	50 – 60	60 – 65	65 – 70	70 – 85
OSRC - Open Space - Recreation	50 – 75	NA	75 – 80	80 – 85
OSRS - Open Space - Resources	50 – 75	NA	75 – 80	80 – 85

NA: Not Applicable; dBA: Decibel

Notes:
Normally Acceptable – Specified land use is satisfactory, assuming buildings are of conventional construction.
Conditionally Acceptable – New development should be undertaken only after detailed analysis of noise reduction requirements are made.
Normally Unacceptable – New development should be discouraged, or a detailed analysis of noise reduction requirements must be made.
Clearly Unacceptable – New development should generally not be undertaken.

Source: City of Rialto, *General Plan Chapter 5*, 2010.

City of Rialto Code of Ordinances

A noise ordinance is intended to control unnecessary, excessive, and annoying sounds from stationary, non-transportation noise sources. Noise ordinance requirements are not applicable to mobile noise sources such as heavy trucks traveling on public roadways. Federal and State laws preempt control of mobile noise sources on public roads. Noise ordinance standards generally apply to industrial and commercial noise sources, as well as parks and schools affecting residential areas. The RMC prohibits the production of excessive noise, and is applied to future development within the City to determine potential noise impacts.

The City has also instated permitted hours for disturbances specifically from construction activity under RMC Section 9.50.070. This code states that no person shall be engaged in any type of work relating to construction, alteration, repair, addition, movement, demolition, or improvement to any building or structure except within the hours provided in Table 6: Permitted Hours of Construction Work below. However, Section 9.50.060 of the RMC indicates exclusions from the provisions of this specific chapter of the RMC. As described in Section 9.50.060(L) of the RMC, noise sources associated with construction, repair, or excavation, are exempt so long as there is a valid written agreement with the City or any of its political subdivisions that provides for noise mitigation measures.

Table 6: Permitted Hours of Construction Work

Days of Week	Time[1,2]
October 1st through April 30th	
Monday – Friday	7:00 a.m. to 5:30 p.m.
Saturday	8:00 a.m. to 5:00 p.m.
Sunday	No Permissible Hours
State Holidays	No Permissible Hours
May 1st through September 30th	
Monday – Friday	6:00 a.m. to 7:00 p.m.
Saturday	8:00 a.m. to 5:00 p.m.
Sunday	No Permissible Hours
State Holidays	No Permissible Hours

Notes:
For purposes of this section, the following exceptions shall apply:
[1] Emergency repair of existing installations, equipment, or appliances; and
[2] Such work that complies with the terms and conditions of a written early work permit issued by the city manager or his or her designee upon a showing of a sufficient need and justification for the permit due to hot or inclement weather, the use of an unusually long process material, or other circumstances of an unusual and compelling nature.

Source: City of Rialto, *Code of Ordinances*, Section 9.50.070, 2018.

Depicted in Table 6, the Project would be subject to the limitations imposed by the City regarding construction noise.

The following section of the RMC noise ordinance is relevant for operational noise.

9.50.050: Controlled hours of operation.

It is unlawful for any person to engage in the following activities other than between the hours of 7:00 a.m. and 8:00 p.m. in all zones.

A. Operate or permit the use of powered model vehicles and planes;

B. Load or unload any vehicle, or operate or permit the use of dollies, carts, forklifts, or other wheeled equipment that causes any impulsive sound, raucous or unnecessary noise within one thousand feet of a residence;

C. Operate or permit the use of domestic power tools, or machinery or any other equipment or tool in any garage, workshop, house or any other structure;

D. Operate or permit the use of gasoline or electric powered leaf blowers, such as commonly used by gardeners and other persons for cleaning lawns, yards, driveways, gutters and other property;

E. Operate or permit the use of privately operated street/parking lot sweepers or vacuums, except that emergency work and/or work necessitated by unusual conditions may be performed with the written consent of the city manager;

F. Operate or permit the use of pile driver, steam or gasoline shovel, pneumatic hammer, steam or electric hoist or other similar devices;

G. Operate or permit the use of electrically operated compressor, fan, and other similar devices;

H. Perform ground maintenance on golf course grounds and tennis courts contiguous to golf courses that creates a noise disturbance across a residential or commercial property line;

I. Operate or permit the use of any motor vehicle with a gross vehicle weight rating in excess of ten thousand pounds, or of any auxiliary equipment attached to such a vehicle, including but not limited to refrigerated truck compressors, for a period longer than fifteen minutes in any hour while the vehicle is stationary and on a public right-of-way or public space except when movement of the vehicle is restricted by other traffic;

J. Repair, rebuild, reconstruct or dismantle any motor vehicle or other mechanical equipment or devices in a manner so as to be plainly audible across property lines.

Additionally, Section 9.50.060(O) of the RMC states that sounds generated in commercial and industrial zones that are necessary and incidental to the uses permitted therein are exempt from the Controlled Hours of Operation.

4 EXISTING CONDITIONS

4.1 Existing Noise Sources

Rialto is impacted by various noise sources. Mobile sources of noise, especially cars and trucks, are the most common and significant sources of noise in most communities. Other sources of noise are the various land uses (i.e., residential, commercial, institutional, and recreational and parks activities) throughout the City that generate stationary-source noise. The Rialto Municipal Airport is located approximately 0.6 miles from the Project site; however, the airport was officially closed in 2014.

Mobile Sources

Existing roadway noise levels were calculated for the roadway segments in the project vicinity. This task was accomplished using the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108) and existing traffic volumes from the project traffic analysis (prepared by Kimley-Horn, 2021). The noise prediction model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway geometry, and site environmental conditions. The average vehicle noise rates (also referred to as energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by the California Department of Transportation (Caltrans). The Caltrans data indicates that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels.[3] The average daily noise levels along roadway segments in proximity to the project site are included in Table 7: Existing Traffic Noise Levels.

Table 7: Existing Traffic Noise Levels

Roadway Segment	ADT	dBA CNEL 100 Feet from Roadway Centerline
Ayala Drive, between Renaissance Parkway to Fitzgerald Avenue	23,506	71.1
Ayala Drive, between Fitzgerald Avenue to Baseline Road	19,876	70.4
Baseline Road, between West of Ayala Drive	15,164	69.2
Baseline Road, between Ayala Drive to Fitzgerald Avenue	13,141	68.6
Baseline Road, between Idyllwild Avenue to Cactus Avenue	14,553	69.1
Notes: ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level		
Source: Based on traffic data within the *Traffic Impact Study*, prepared by Kimley-Horn, 2021. Refer to Appendix A for traffic noise modeling assumptions and results.		

As depicted in Table 7, the existing traffic-generated noise level on Project-vicinity roadways currently ranges from 68.6 dBA CNEL to 71.1 dBA CNEL 100 feet from the centerline. As previously described, CNEL is 24-hour average noise level with a 5 dBA "weighting" during the hours of 7:00 p.m. to 10:00 p.m. and a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively.

Stationary Sources

The primary sources of stationary noise in the Project vicinity are those associated with the operations of adjacent general industrial uses. The noise associated with these sources may represent a single-event

[3] California Department of Transportation, *California Vehicle Noise Emission Levels*, 1987.

noise occurrence or short-term noise. Other noises include dogs barking, residents talking, and general recreational noise.

4.2 Noise Measurements

The Project site is currently vacant and unoccupied. To quantify existing ambient noise levels in the Project area, Kimley-Horn conducted four short-term noise measurements on March 3, 2020; see Appendix A: Noise Measurement and Modeling Data. The noise measurement sites were representative of typical existing noise exposure within and immediately adjacent to the Project site. The 10-minute measurements were taken between 9:39 a.m. and 12:01 p.m. near potential sensitive receptors. Short-term L_{eq} measurements are considered representative of the noise levels throughout the day. The average noise levels and sources of noise measured at each location are listed in Table 8: Existing Noise Measurements and shown on Exhibit 4: Noise Measurement Locations.

Table 8: Existing Noise Measurements

Site	Location	L_{eq} (dBA)	L_{min} (dBA)	L_{max} (dBA)	Time
1	Jerry Eaves Park	66.0	55.2	79.6	9:39 a.m.
2	Center of Project Site	50.8	46.4	59.6	10:07 a.m.
3	North central of Project	52.0	47.8	63.1	10:23 a.m.
4	Northwest of Project Site	56.8	49.4	65.3	10:40 a.m.
5	Southwest of Project Site	62.6	46.1	75.6	10:58 a.m.
6	South side of Baseline Rd, west of Idyllwild Ave	72.1	48.8	81.0	11:11 a.m.
7	Resident's backyard (house just west of Idyllwild), South side of Baseline Rd	70.6	44.2	76.8	11:26 a.m.
8	Resident's backyard (house north of cul-de-sac), South side of Baseline Rd	60.7	47.2	72.3	11:45 a.m.
9	South side of Baseline Rd, west of Glenwood Ave	72.9	49.9	85.0	12:01 p.m.

Source: Noise measurements taken by Kimley-Horn, March 3, 2020. See Appendix A for noise measurement results.

Source: Kimley-Horn 2020

Exhibit 4: Noise Measurement Locations
Olive Avenue Development
Rialto, CA

Not to scale

Kimley»Horn

4.3 Sensitive Receptors

Noise exposure goals for various types of land uses reflect the varying noise sensitivities associated with those uses. Noise sensitive uses typically include residences, hospitals, schools, childcare facilities, and places of assembly. Vibration sensitive receivers are generally similar to noise sensitive receivers but may also include businesses, such as research facilities and laboratories that use vibration-sensitive equipment. Sensitive receptors near the Project site consist mostly of single-family residences, parks, educational institutions, and senior facilities. Sensitive land uses nearest to the Project are shown in Table 9: Sensitive Receptors.

Table 9: Sensitive Receptors

Receptor Description	Distance and Direction from the Project
Single-Family Residential Community	90 feet to the south
Single-Family Residential Community	800 feet to the east
Jerry Eaves Park	870 feet to the north
Single-Family Residential Community	1,600 feet to the north
Winchester Senior Home II	1,500 feet to the northeast
La Petite Academy of Rialto	1,900 feet to the east
Helen L. Dollahan Elementary School	2,100 feet to the south
Flores Park	2,400 feet to the South
Camino Nuevo Church	2,500 feet to the southeast
Eisenhower Senior High School	3,000 feet to the east
Dunn Elementary School	4,000 feet to the southeast

Source: Google Earth

5 SIGNIFICANCE CRITERIA AND METHODOLOGY

5.1 CEQA Thresholds

Appendix G of the California Environmental Quality Act (CEQA) Guidelines contains analysis guidelines related to noise impacts. These guidelines have been used by the City to develop thresholds of significance for this analysis. A project would create a significant environmental impact if it would:

- Generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- Generate excessive groundborne vibration or groundborne noise levels; and
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the Project area to excessive noise levels.

Thresholds

Construction Noise

The following thresholds of significance are set forth in the Rialto Code of Ordinances, which states that a project would normally have a significant impact on noise levels from construction if construction activities would occur outside the following hours:

- October 1st through April 30th - 7:00 A.M. to 5:30 P.M. Monday through Friday, 8:00 A.M. to 5:00 P.M. on Saturday. Construction activities are not permitted on Sundays and State holidays; and May 1st through September 30th - 6:00 A.M. to 7:00 P.M. Monday through Friday, 8:00 A.M. to 5:00 P.M. on Saturday. Construction activities are not permitted on Sundays and State holidays.

Operation Noise

The following threshold of significance is applied to operational noise impacts:

- The Project would cause ambient noise levels to increase by 5 dBA, CNEL or more and the resulting noise falls on a noise-sensitive land use within an area categorized as either “clearly compatible” or “normally compatible” (see Table 4); or cause ambient noise levels to increase by 3 dBA, CNEL or more and the resulting noise falls on a noise sensitive land use within an area categorized as either “normally incompatible” or “clearly incompatible.”

Vibrations

The City currently does not have a significance threshold to assess vibration impacts. Thus, the FTA guidelines set forth in FTA’s Transit Noise and Vibration Impact Assessment Manual are used to evaluate potential impacts related to vibration.

- Any vibration that exceeds 75 VdB, the approximate threshold for annoyance
- A vibration level that exceeds 0.20 in/sec

5.2 Methodology

Construction

Construction noise levels were based on typical noise levels generated by construction equipment published by the Federal Transit Administration (FTA) and the Federal Highway Administration (FHWA). Construction noise is assessed in dBA L_{eq}. This unit is appropriate because L_{eq} can be used to describe noise level from operation of each piece of equipment separately, and levels can be combined to represent the noise level from all equipment operating during a given period.

FTA's quantitative 8-hour L_{eq} construction noise assessment methodology as described in the 2018 *Transit Noise and Vibration Impact Assessment Manual* was used to estimate construction noise at the nearest sensitive receptors. Following FTA methodology, when calculating construction noise, all equipment is assumed to operate at the center of the Project because equipment would operate throughout the project site and not at a fixed location for extended periods of time. Therefore, the distance used in the RCNM model was 605 feet to the residential uses to the south and 660 feet to the west of the Project site.

Operations

The analysis of the Without Project and With Project noise environments is based on noise prediction modeling and empirical observations. Reference noise level data are used to estimate the Project operational noise impacts from stationary sources. Noise levels are collected from field noise measurements and other published sources from similar types of activities are used to estimate noise levels expected with the Project's stationary sources. The reference noise levels are used to represent a worst-case noise environment as noise level from stationary sources can vary throughout the day. Operational noise is evaluated based on the standards within the City's Noise Ordinance and General Plan. The Without Project and With Project traffic noise levels in the Project vicinity were calculated using the FHWA Highway Noise Prediction Model (FHWA-RD-77-108).

Vibration

Groundborne vibration levels associated with construction-related activities for the Project were evaluated utilizing typical groundborne vibration levels associated with construction equipment, obtained from FTA published data for construction equipment. Potential groundborne vibration impacts related to building/structure damage and interference with sensitive existing operations were evaluated, considering the distance from construction activities to nearby land uses and typically applied criteria.

For a building that is constructed with engineered timbers or reinforced concrete, the FTA guidelines show that a vibration level of up to 0.50 in/sec is considered safe and would not result in any vibration damage. The FTA architectural damage criterion for continuous vibrations (i.e., 0.2 in/sec) appears to be conservative. Human annoyance is evaluated in vibration decibels (VdB) (the vibration velocity level in decibel scale) and occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. The FTA Transit Noise and Vibration Impact Assessment Manual identifies 75 VdB as the threshold for buildings where people normally sleep.

6 POTENTIAL IMPACTS AND MITIGATION

6.1 Acoustical Impacts

Threshold 6.1 Would the Project generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction

On-Site Construction Noise. Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g., land clearing, grading, excavation, paving). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. During construction, exterior noise levels could affect the sensitive receptors near the construction site.

Construction activities would include site preparation, grading, building construction, paving, and architectural coating. Such activities would require graders, dozers, and tractors during site preparation and grading; cranes, forklifts, generators, tractors, and welders during building construction; pavers, rollers, mixers, tractors, and paving equipment during paving; and air compressors during architectural coating. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 to 4 minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. Typical noise levels associated with individual construction equipment are listed in Table 10: Typical Construction Noise Levels.

Table 10: Typical Construction Noise Levels

Equipment	Typical Noise Level (dBA) at 50 feet from Source	Typical Noise Level (dBA) at 90 feet from Source[1]
Air Compressor	80	75
Backhoe	80	75
Compactor	82	77
Concrete Mixer	85	80
Concrete Pump	82	77
Concrete Vibrator	76	71
Crane, Mobile	83	78
Dozer	85	80
Generator	82	77
Grader	85	80
Impact Wrench	85	80
Jack Hammer	88	83
Loader	80	75
Paver	85	80
Pneumatic Tool	85	80
Pump	77	72
Roller	85	80
Saw	76	71

Table 10: Typical Construction Noise Levels		
Equipment	**Typical Noise Level (dBA) at 50 feet from Source**	**Typical Noise Level (dBA) at 90 feet from Source[1]**
Scraper	85	80
Shovel	82	77
Truck	84	79
Notes: 1. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.		
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018.		

While the Rialto Municipal Code does not establish quantitative construction noise standards, this analysis conservatively uses the FTA's threshold of 80 dBA (8-hour L_{eq}) for residential uses and 90 dBA (8-hour L_{eq}) for non-residential uses to evaluate construction noise impacts.[4] The noise levels calculated in Table 11: Project Construction Noise Levels, show estimated exterior construction noise without accounting for attenuation from existing physical barriers. The nearest noise sensitive receptors are the residential uses located 90 feet to the south of the Project boundary, on the opposite side of Baseline Road.

Table 11: Project Construction Noise Levels				
Construction Phase	**Modeled Exterior Noise Level at Residential Uses South of Project Site (dBA L_{eq})[1]**	**Modeled Exterior Noise Level at Industrial Uses West of Project Site (dBA L_{eq})[1]**	**FTA 80 dBA L_{eq} Residential Noise Threshold Exceeded?**	**FTA 85 dBA L_{eq} Non-Residential Noise Threshold Exceeded?**
Site Preparation	66.0	65.2	No	No
Grading	66.6	65.8	No	No
Construction/Paving/Painting	65.4	64.6	No	No
Notes: 1. Following FTA methodology, all equipment is assumed to operate at the center of the Project site because equipment would operate throughout the Project site and not at a fixed location for extended periods of time. Thus, the distance used in the RCNM model was 605 feet for the residential uses to the south of the construction zone and 660 feet for industrial uses to the west of the construction zone.				
Source: Refer to Appendix A for noise modeling assumptions and results.				

As shown in Table 11, exterior noise levels could reach 66.6 dBA at the nearest residential uses to the south and 65.8 dBA at the nearest industrial uses to the west of the Project site. As indicated in Table 11, Project construction noise levels would not exceed the FTA's 80 dBA L_{eq} threshold for residential uses or 85 dBA L_{eq} threshold for non-residential uses. Construction equipment would operate throughout the Project site and the associated noise levels would not occur at a fixed location for extended periods of time. Although some sensitive uses may be exposed to elevated noise levels during project construction, heavy construction equipment will be in motion and construction noise would be acoustically dispersed throughout the project site (i.e., not concentrated in one area near surrounding sensitive uses).

While impacts would be considered less than significant, the Project would be subject to Standard Condition and Requirements (SC) NOI-1 which includes a list of requirements that must be meet by the applicant and contractor. These requirements include; all construction equipment being equipped with mufflers, notifying property owners within 200 feet of the Project boundary at least 15 days prior to construction, designating a member of the construction staff as a Noise Disturbance Coordinator, using construction noise reduction methods where feasible, designating construction haul routes to avoid noise

[4] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, Table 7-2, Page 179, September 2018.

sensitive uses, directing stationary construction equipment away from noise sensitive receptors, and permitting construction to only occur during established allowable hours of construction (refer to Table 6).

Off-Site Construction Traffic Noise. Construction noise may be generated by passenger cars from worker trips and trucks to deliver materials and haul soil to and from the Project site. Delivery trucks, haul trucks, and worker vehicles associated with the construction of the proposed Project would vary from day to day, with the highest volumes generally occurring during construction initiation. The Project's off-site construction noise impact from haul trucks was analyzed by using the FHWA RD-77-108 model to quantify noise from the Project's maximum estimated haul truck usage with existing traffic and roadway noise levels along the potential haul routes. The location of roadside sensitive receptors was also considered. As the Project would require haul trucks over the course of the construction period to accommodate the soil off haul necessary for construction. The addition of haul trucks would alter the fleet mix of haul route roadways. This effect was accounted for by adjusting the fleet mix (i.e., increasing the truck percentages) in the FHWA RD-77-108 model.

Table 12: Construction Traffic Noise Levels provides the predicted noise levels at nearby roadway segments near the Project site. As shown in Table 12, roadway noise levels would range from 68.6 dBA to 71.1 dBA under existing conditions and from 69.6 dBA to 71.7 dBA under existing conditions plus Project construction. The greatest change in noise levels would occur along Baseline Road (Ayala Drive to Fitzgerald Avenue). Construction traffic would result in an increase in ambient noise levels of up to 1.0 dBA. This increase in ambient noise levels is below the perceptible range (3.0 dBA). Therefore, a less than significant impact would occur.

Table 12: Construction Traffic Noise Levels

Roadway Segment	Existing Conditions		Existing Plus Construction		Change	Significant Impacts
	ADT	dBA CNEL at 100 feet from Roadway Centerline	ADT	dBA CNEL at 100 feet from Roadway Centerline		
Ayala Drive, between Renaissance Parkway to Fitzgerald Avenue	23,506	71.1	24,405	71.7	0.5	No
Ayala Drive, between Fitzgerald Avenue to Baseline Road	19,876	70.4	20,775	71.1	0.6	No
Baseline Road, between West of Ayala Drive	15,164	69.2	16,063	70.1	0.8	No
Baseline Road, between Ayala Drive to Fitzgerald Avenue	13,141	68.6	14,040	69.6	1.0	No
Baseline Road, between Idyllwild Avenue to Cactus Avenue	14,553	69.1	15,452	69.9	0.9	No

ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level.

Source: Based on traffic data within the *Traffic Impact Study*, prepared by Kimley-Horn, 2021. Refer to Appendix A for traffic noise modeling assumptions and results.

Compliance with SC NOI-1 will ensure that construction noise impacts remain less than significant.

Operations

Implementation of the proposed project would create new sources of noise in the project vicinity. The major noise sources associated with the project that would potentially impact existing and future nearby residences include the following:

- Mechanical equipment (i.e. trash compactors, air conditioners, etc.);
- Slow moving trucks on the Project site, approaching and leaving the loading areas;
- Activities at the loading areas (i.e. maneuvering and idling trucks, equipment noise);
- Parking areas (i.e. car door slamming, car radios, engine start-up, and car pass-by); and
- Off-Site Traffic Noise.

As discussed previously, Section 9.50.050 of the RMC identifies activities that are unlawful to engage in between the hours of 8:00 p.m. and 7:00 a.m. This includes the loading or unloading any vehicle, or operate or permit the use of dollies, carts, forklifts, or other wheeled equipment that causes any impulsive sound, raucous or unnecessary noise within one thousand feet of a residence. However, RMC Section 9.50.060 notes that sounds generated in commercial and industrial zones that are necessary and incidental to the uses permitted there in are exempt from the provisions of the RMC Chapter 9.50 (Noise Control) including Section 9.5.050 (Controlled Hours of Operation).

Additionally, all loading and unloading activities, including the operation of dollies, carts, and forklifts, would occur within the warehouse buildings while trucks are docked. Loading dock doors would also be surrounded with protective aprons, gaskets, or similar improvements that, when a trailer is docked, would serve as a noise barrier between the interior warehouse activities and the exterior loading area. This would attenuate noise emanating from interior activities, and as such, interior loading and associated activities would be permissible during all hours of the day.

Mechanical Equipment

The Project is surrounded by residential, recreational and, commercial uses. The nearest sensitive receptors to the Project site are the residences 75 feet to the south of the Project boundaries. Potential stationary noise sources related to long-term operation of the project site would include mechanical equipment. Mechanical equipment (e.g. heating ventilation and air conditioning [HVAC] equipment) typically generates noise levels of approximately 52 dBA at 50 feet.[6] Based on the site plan, the closest sensitive receptors are located approximately 220 feet from the nearest building. At this distance mechanical equipment noise would attenuate to 39.1 dBA. As shown in Table 8, existing noise levels near residential properties ranged from 60.7 dBA and 72.9 dBA. Operation of mechanical equipment would not increase ambient noise levels beyond existing noise levels. Therefore, the proposed Project would result in a less than significant impact related to stationary noise levels.

Truck and Loading Dock Noise

During loading and unloading activities, noise would be generated by the trucks' diesel engines, exhaust systems, and brakes during low gear shifting' braking activities; backing up toward the docks; dropping down the dock ramps; and maneuvering away from the docks. Loading or unloading activities would occur

[6] Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.

on the north, east, and west sides of the Project site within the warehouse building. Driveways and access to the site would occur along E Baseline Road. Typically, heavy truck operations generate a noise level of 68 dBA at a distance of 30 feet.[7] The closest residences are located approximately 390 feet south of the nearest proposed loading areas. At this distance, the closet residences would experience truck noise levels of approximately 45.7 dBA conservatively assuming no attenuation from the intervening warehouse buildings. As shown in Table 8, existing noise levels near residential properties range from 60.7 dBA and 72.9 dBA. The addition of truck and loading dock noise at these locations would be below ambient levels and would not result in a perceivable increase in existing noise levels. Loading dock doors would also be surrounded with protective aprons, gaskets, or similar improvements that, when a trailer is docked, would serve as a noise barrier between the interior warehouse activities and the exterior loading area. This would attenuate noise emanating from interior activities, and as such, interior loading and associated activities would be permissible during all hours of the day. Noise levels associated with trucks and loading or unloading activities would not exceed the City's standards and impacts would be less than significant.

Parking Noise

The proposed Project would accommodate the need for parking. Traffic associated with parking lots is typically not of sufficient volume to exceed community noise standards, which are based on a time-averaged scale such as the CNEL scale. The instantaneous maximum sound levels generated by a car door slamming, engine starting up, and car pass-bys range from 60 to 63 dBA and may be an annoyance to adjacent noise-sensitive receptors. Conversations in parking areas may also be an annoyance to adjacent sensitive receptors. Sound levels of speech typically range from 33 dBA at 50 feet for normal speech to 50 dBA at 50 feet for very loud speech. It should be noted that parking lot noises are instantaneous noise levels compared to noise standards in the hourly L_{eq} metric, which are averaged over the entire duration of a time period.

Actual noise levels over time resulting from parking lot activities would be far lower than the reference levels identified above. Parking lot noise would occur within the surface parking lot on-site. It is also noted that parking lot noise occurs at the adjacent properties under existing conditions. Parking lot noise would be consistent with the existing noise in the vicinity and would be partially masked by background noise from traffic along East Baseline Road and Ayala Drive. According to the site plan, sensitive receptors to the south would be located approximately 145 feet from the nearest parking area. Noise attenuation based strictly on distance and not taking into account intervening barriers or structures would reduce parking lot noise 53.8 dBA. Noise associated with parking lot activities is not anticipated to exceed the City's noise standards during operation. Therefore, noise impacts from parking lots would be less than significant.

Table 13: Operational Noise provides a summary of the operational noise levels discussed above. Table 13 shows that operational noise levels would not exceed the lowest measured ambient level at the closest receptors and would not result in a perceptible increase (3 dBA). Project generated noise levels would also not cause an exceedance the City's exterior land use compatibility standards and would comply with the RMC. As standard construction has an exterior to interior attenuation rate of 25 dBA[8], the highest interior noise levels would be approximately 36.5 dBA and would not exceed the City's 45 dBA interior standard of Title 24 of the California Health and Safety Code as referenced by the RGP. Additionally, Section 9.50.060(O) of the RMC states that sounds generated in commercial and industrial zones that are

[7] Loading dock reference noise level measurements conducted by Kimley-Horn on December 18, 2018.
[8] U.S. EPA, *Protective Noise Levels*, 1979.

necessary and incidental to the uses permitted therein are exempt from the Controlled Hours of Operation.

Table 13: Operational Noise

Noise Source	Reference Level (dBA)	Reference Distance (feet)	Distance to Receptor (feet)	Level at Receptor (dBA)[4]	Ambient Level (dBA)[5]	Combined Noise at Receptor (dBA)	Incremental Increase (dBA)	Significant?
Mechanical Equipment[1]	52	50	220	39.1	60.7	60.7	0.0	No
Truck and Loading Docks[2]	68	30	390	45.7	60.7	60.8	0.1	No
Parking[3]	63	50	145	53.8	60.7	61.5	0.8	No

1. Source for reference level: Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.
2. Loading dock reference noise level measurements conducted by Kimley-Horn on December 18, 2018.
3. Source for reference level: Kariel, H. G., *Noise in Rural Recreational Environments*, Canadian Acoustics 19(5), 3-10, 1991.
4. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.
5. Measured ambient noise levels ranged from 60.7 dBA and 72.9 dBA (refer to Table 8). The lowest measured level at the closest residential receptor is conservatively used for this evaluation.

Off-Site Traffic Noise

Future development generated by the proposed project would result in additional traffic on adjacent roadways, thereby increasing vehicular noise near existing and proposed land uses. Based on the Traffic Impact Analysis, the proposed project would result in approximately 1,139 daily trips. The Opening Year "2021 Without Project" and "2021 Plus Project" scenarios were also compared. As shown in Table 14: Opening Year Traffic Noise Levels, roadway noise levels would range from 68.6 dBA to 71.1 under 2021 Without Project conditions and from 68.8 dBA to 71.3 dBA under 2021 Plus Project conditions. The highest noise levels would occur along Ayala Drive, between Renaissance Parkway to Fitzgerald Avenue. As shown in Table 13, project generated traffic would result in a maximum increase of 0.2 dBA. As the noise level increase is below 3.0 dBA, a less than significant impact would occur in this regard.

Table 14: Opening Year Traffic Noise Levels

Roadway Segment	2021 Without Project		2021 With Project		Change	Significant Impacts
	ADT	dBA CNEL at 100 feet from Roadway Centerline	ADT	dBA CNEL at 100 feet from Roadway Centerline		
Ayala Drive, between Renaissance Parkway to Fitzgerald Avenue	23,506	71.1	24,456	71.3	0.2	No
Ayala Drive, between Fitzgerald Avenue to Baseline Road	19,876	70.4	20,679	70.6	0.2	No
Baseline Road, between West of Ayala Drive	15,164	69.2	15,777	69.4	0.2	No
Baseline Road, between Ayala Drive to Fitzgerald Avenue	13,141	68.6	13,672	68.8	0.2	No
Baseline Road, between Idyllwild Avenue to Cactus Avenue	14,553	69.1	15,141	69.2	0.1	No

ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level.

Source: Based on traffic data within the *Traffic Impact Study*, prepared by Kimley-Horn, 2021. Refer to Appendix A for traffic noise modeling assumptions and results.

Standard Conditions and Requirements:

NOI-1 Prior to Grading Permit issuance, the applicant shall demonstrate, to the satisfaction of the City of Rialto Director of Public Works or City Engineer that the Project complies with the following:

- Construction contracts specify that all construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers and other state required noise attenuation devices.
- Property owners and occupants located within 200 feet of the project boundary shall be sent a notice, at least 15 days prior to commencement of construction of each phase, regarding the construction schedule of the proposed project. A sign, legible at a distance of 50 feet shall also be posted at the project construction site. All notices and signs shall be reviewed and approved by the City of Rialto Development Services Department, prior to mailing or posting and shall indicate the dates and duration of construction activities, as well as provide a contact name and a telephone number where residents can inquire about the construction process and register complaints.
- Prior to issuance of any Grading or Building Permit, the Contractor shall provide evidence that a construction staff member will be designated as a Noise Disturbance Coordinator and will be present on-site during construction activities. The Noise Disturbance Coordinator is responsible for responding to local complaints about construction noise. When a complaint is received, the Noise Disturbance Coordinator shall notify the City within 24-hours of the complaint, determine the cause (e.g., starting too early, bad muffler, etc.), and implement reasonable measures to resolve the complaint as deemed acceptable by the Public Works Department. All notices sent to residential units surrounding the construction site and all signs posted at the construction site shall include the contact name and the telephone number for the Noise Disturbance Coordinator.
- Prior to issuance of any Grading or Building Permit, the project Applicant shall demonstrate to the satisfaction of the City Engineer that construction noise reduction methods shall be used where feasible. These reduction methods include shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied residential areas, and electric air compressors and similar power tools.
- Construction haul routes shall be designed to avoid noise sensitive uses (e.g., residences, convalescent homes, etc.), to the extent feasible.
- During construction, stationary construction equipment shall be placed such that emitted noise is directed away from sensitive noise receivers.
- Construction activities shall not take place outside of the allowable hours specified by the City's *Municipal Code Chapter 9.50, Noise Control* (from October 1st to April 30th, allowable construction hours are between 7:00 a.m. and 5:30 p.m. on weekdays and between 8:00 a.m. and 5:00 p.m. on Saturdays and from May 1st to September 30th, allowable construction hours are between 6:00 a.m. and 7:00 p.m. on weekdays and between 8:00 a.m. and 5:00 p.m. on Saturdays; construction activities are not permitted on Sundays or legal holidays).

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 6.2 Would the Project expose persons to or generate excessive ground borne vibration or ground borne noise levels?

Once operational, the Project would not be a source of groundborne vibration. Increases in groundborne vibration levels attributable to the proposed Project would be primarily associated with short-term construction-related activities. Construction on the Project site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved.

The Federal Transit Administration (FTA) has published standard vibration velocities for construction equipment operations. In general, the FTA architectural damage criterion for continuous vibrations (i.e., 0.2 in/sec) appears to be conservative. The types of construction vibration impacts include human annoyance and building damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience any cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on the soil composition and underground geological layer between vibration source and receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment. For example, for a building that is constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 0.20 in/sec is considered safe and would not result in any construction vibration damage.

Table 15: Typical Construction Equipment Vibration Levels, lists vibration levels at 25 feet for typical construction equipment. Groundborne vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. As indicated in Table 15, based on FTA data, vibration velocities from typical heavy construction equipment operations that would be used during Project construction range from 0.003 to 0.089 in/sec PPV at 25 feet from the source of activity.

Table 15: Typical Construction Equipment Vibration Levels

Equipment	Peak Particle Velocity at 25 Feet (in/sec)	Peak Particle Velocity at 90 Feet (in/sec)[1]	Approximate VdB at 25 Feet	Approximate VdB at 90 Feet[2]
Large Bulldozer	0.089	0.013	87	70
Caisson Drilling	0.089	0.013	87	70
Loaded Trucks	0.076	0.011	86	69
Jackhammer	0.035	0.005	79	62
Small Bulldozer/Tractors	0.003	0.0004	58	41

1. Calculated using the following formula: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$, where: PPV_{equip} = the peak particle velocity in in/sec of the equipment adjusted for the distance; PPV_{ref} = the reference vibration level in in/sec from Table 7-4 of the Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018; and D = the distance from the equipment to the receiver.
2. Calculated using the following formula: Lv(D)=Lv(25)-(30xlog10(D/25))

Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018.

The nearest sensitive receptors are the residential uses approximately 90 feet to the south of the Project boundary. Using the calculation shown in Table 15, at 90 feet the vibration velocities from construction equipment would not exceed 0.016 in/sec PPV, which is below the FTA's 0.20 PPV threshold. Table 15 also shows that construction VdB levels would not exceed 70 VdB at 90 feet and would be below the 75 VdB annoyance threshold). It can reasonably be assumed that at any further distance, the vibration levels

would attenuate further. It is also acknowledged that construction activities would occur throughout the Project site and would not be concentrated at the point closest to the nearest residential structure. Therefore, vibration impacts associated with the proposed Project would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 6.3 For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

The Rialto Municipal Airport was officially closed in 2014 and is the nearest airport in the immediate area, located approximately 0.6 miles from the Project site. There are no other airports within two miles of the project site. Therefore, there is no impact surrounding the proposed Project concerning airport noise, including from a private airstrip.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6.2 Cumulative Noise Impacts

Cumulative Construction Noise

The Project's construction activities would not result in a substantial temporary increase in ambient noise levels. Construction noise would be periodic and temporary noise impacts that would cease upon completion of construction activities. The Project would contribute to other proximate construction project noise impacts if construction activities were conducted concurrently. However, based on the noise analysis above, the Project's construction-related noise impacts would be less than significant following the City of Rialto Municipal Code and SC NOI-1.

Construction activities at other planned and approved projects near the Project site would be required to comply with applicable City rules related to noise and would take place during daytime hours on the days permitted by the applicable Municipal Code, and projects requiring discretionary City approvals would be required to evaluate construction noise impacts, comply with the City's standard conditions of approval, and implement mitigation, if necessary, to minimize noise impacts. Construction noise impacts are by nature localized. Based on the fact that noise dissipates as it travels away from its source, noise impacts would be limited to the Project site and vicinity. Therefore, Project construction would not result in a cumulatively considerable contribution to significant cumulative impacts, assuming such a cumulative impact existed, and impacts in this regard are not cumulatively considerable.

Cumulative Operational Noise

Cumulative Off-Site Traffic Noise. Cumulative noise impacts describe how much noise levels are projected to increase over existing conditions with the development of the proposed Project and other foreseeable

projects. Cumulative noise impacts would occur primarily as a result of increased traffic on local roadways due to buildout of the proposed Project and other projects in the vicinity. Cumulative increases in traffic noise levels were estimated by comparing the Existing and Opening Year Without Project scenarios to the Opening Year Plus Project scenario. The traffic analysis considers cumulative traffic from future growth assumed in the transportation model, as well as cumulative projects.

A project's contribution to a cumulative traffic noise increase would be considered significant when the combined effect exceeds perception level (i.e., auditory level increase) threshold. The following criteria is used to evaluate the combined and incremental effects of the cumulative noise increase.

- *Combined Effect*. The cumulative with Project noise level ("Opening Year With Project") would cause a significant cumulative impact if a 3.0 dB increase over "Existing" conditions occurs and the resulting noise level exceeds the applicable exterior standard at a sensitive use. Although there may be a significant noise increase due to the proposed Project in combination with other related projects (combined effects), it must also be demonstrated that the Project has an incremental effect. In other words, a significant portion of the noise increase must be due to the proposed Project.
- *Incremental Effects*. The "Opening Year With Project" causes a 1.0 dBA increase in noise over the "Opening Year Without Project" noise level.

A significant impact would result only if both the combined and incremental effects criteria have been exceeded. Noise by definition is a localized phenomenon and reduces as distance from the source increases. Consequently, only the proposed Project and growth due to occur in the general area would contribute to cumulative noise impacts.

Table 16: Opening Year Plus Project Conditions Predicted Traffic Noise Levels identifies the traffic noise effects along roadway segments in the Project vicinity for "Existing," "Opening Year Without Project," and "Opening Year With Project," conditions, including incremental and net cumulative impacts. Table 16 shows the increase for combined effects and incremental effects and none of the segments meet the criteria for cumulative noise increase. The proposed Project would not result in long-term mobile noise impacts based on project-generated traffic as well as cumulative and incremental noise levels. Therefore, the proposed Project, in combination with cumulative background traffic noise levels, would result in a less than significant cumulative impact. The proposed Project's contribution would not be cumulatively considerable.

Table 16: Opening Year Plus Project Conditions Predicted Traffic Noise Levels

Roadway Segment	Existing	Opening Year Without Project	Opening Year With Project	Combined Effects	Incremental Effects	Cumulatively Significant Impact?
				Difference In dBA Between Existing and Opening Year With Project	Difference In dBA Between Opening Year Without Project and Opening Year With Project	
Slover Avenue						
Ayala Drive, between Renaissance Parkway to Fitzgerald Avenue	71.1	71.1	71.3	0.2	0.2	No
Ayala Drive, between Fitzgerald Avenue to Baseline Road	70.4	70.4	70.6	0.2	0.2	No

Table 16: Opening Year Plus Project Conditions Predicted Traffic Noise Levels

Roadway Segment	Existing	Opening Year Without Project	Opening Year With Project	Combined Effects	Incremental Effects	Cumulatively Significant Impact?
				Difference In dBA Between Existing and Opening Year With Project	Difference In dBA Between Opening Year Without Project and Opening Year With Project	
Baseline Road, between West of Ayala Drive	69.2	69.2	69.4	0.2	0.2	No
Baseline Road, between Ayala Drive to Fitzgerald Avenue	68.6	68.6	68.8	0.2	0.2	No
Baseline Road, between Idyllwild Avenue to Cactus Avenue	69.1	69.1	69.2	0.1	0.1	No

ADT = average daily trips; dBA = A-weighted decibels; CNEL = Community Noise Equivalent Level; WB = westbound; EB = eastbound

1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.

Source: Based on traffic data within the *VMT Assessment & Local Access, Safety, and Circulation Study*, prepared by Kimley-Horn, 2021. Refer to Appendix A for traffic noise modeling assumptions and results.

Cumulative Stationary Noise. Stationary noise sources of the proposed Project would result in an incremental increase in non-transportation noise sources in the Project vicinity. However, as discussed above, operational noise caused by the proposed Project would be less than significant. Similar to the proposed Project, other planned and approved projects would be required to mitigate for stationary noise impacts at nearby sensitive receptors, if necessary. As stationary noise sources are generally localized, there is a limited potential for other projects to contribute to cumulative noise impacts.

No known past, present, or reasonably foreseeable projects would combine with the operational noise levels generated by the Project to increase noise levels above acceptable standards because each project must comply with applicable City regulations that limit operational noise. Therefore, the Project, together with other projects, would not create a significant cumulative impact, and even if there was such a significant cumulative impact, the Project would not make a cumulatively considerable contribution to significant cumulative operational noises.

Given that noise dissipates as it travels away from its source, operational noise impacts from on-site activities and other stationary sources would be limited to the Project site and vicinity. Thus, cumulative operational noise impacts from related projects, in conjunction with Project specific noise impacts, would not be cumulatively significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

7 REFERENCES

1. California Department of Transportation, *California Vehicle Noise Emission Levels*, 1987.
2. California Department of Transportation, *Traffic Noise Analysis Protocol*, 2011.
3. California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, 2013.
4. California Department of Transportation, *Transportation Related Earthborne Vibrations*, 2002.
5. California Department of Transportation, *Transportation and Construction Vibration Guidance Manual*, 2013.
6. City of Rialto, *General Plan*, 2010.
7. City of Rialto, *Municipal Code*, 2019.
8. Federal Highway Administration, *Roadway Construction Noise Model*, 2006.
9. Federal Highway Administration, *Roadway Construction Noise Model User's Guide Final Report*, 2006.
10. Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, 1992.
11. Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018.
12. Kimley-Horn, *Olive Grove Business Park Project Traffic Impact Study*, January 2021.
13. United States Environmental Protection Agency, *Protective Noise Levels (EPA 550/9-79-100)*, 1979.

Appendix A

Noise Measurement and Modeling Data

Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	9:39 AM
Location:	Jerry Eaves Park		
Noise Sources:			
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
66.0	55.2	79.6	119.1

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.003	Computer's File Name	SLM_0005586_Rialto__003.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 09:38:41	Duration	0:10:00.0
End Time	2020-03-03 09:48:41	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	66.0 dB		
LAE	93.7 dB	SEA	--- dB
EA	263.2 µPa²h		
LZ_{peak}	119.1 dB	2020-03-03 09:43:44	
LAS_{max}	79.6 dB	2020-03-03 09:40:21	
LAS_{min}	55.2 dB	2020-03-03 09:39:22	
LA_{eq}	66.0 dB		
LC_{eq}	79.9 dB	LC_{eq} - LA_{eq}	13.9 dB
LAI_{eq}	67.7 dB	LAI_{eq} - LA_{eq}	1.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
66.0 dB	66.0 dB	0.0 dB

LDEN	LDay	LEve	LNight
66.0 dB	66.0 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	66.0 dB		79.9 dB		--- dB	
$LS_{(max)}$	79.6 dB	2020-03-03 09:40:21	--- dB		--- dB	
$LS_{(min)}$	55.2 dB	2020-03-03 09:39:22	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		119.1 dB	2020-03-03 09:43:44

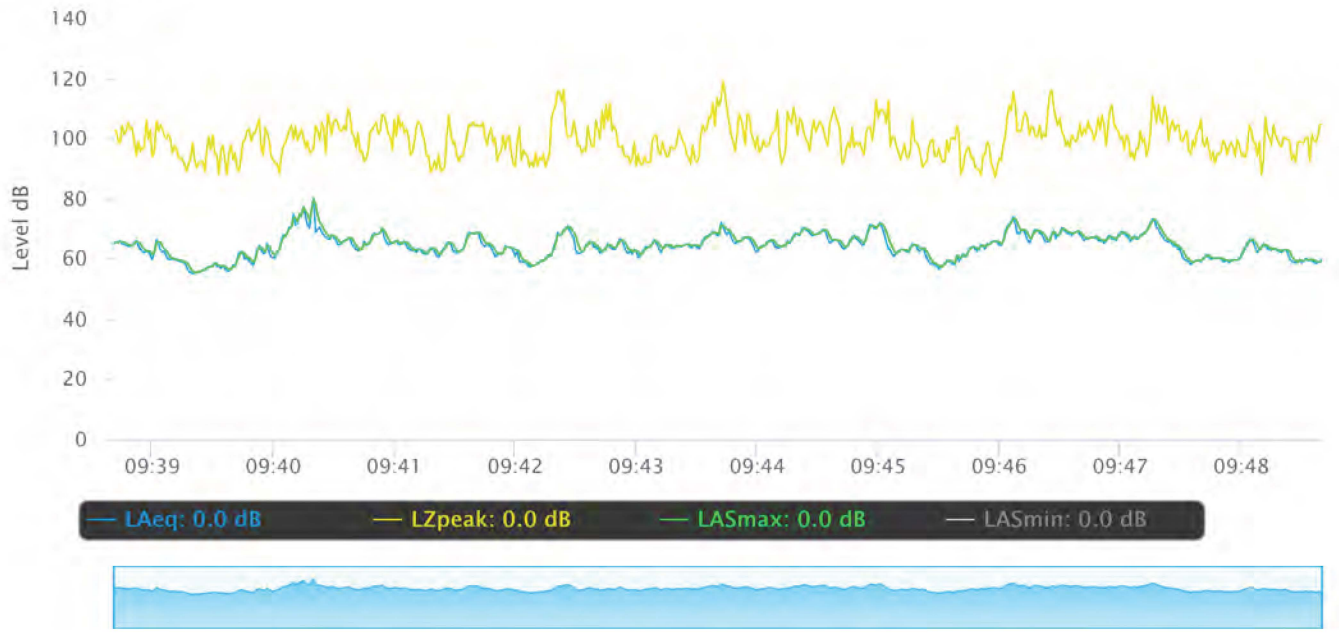
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	70.3 dB
LAS 10.0	68.9 dB
LAS 33.3	65.7 dB
LAS 50.0	64.1 dB
LAS 66.6	62.7 dB
LAS 90.0	59.1 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	10:07 AM
Location:	Center of Project Site		
Noise Sources:			
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
50.8	46.4	59.6	117.2

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.004	Computer's File Name	SLM_0005586_Rialto__004.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 10:06:50	Duration	0:10:00.0
End Time	2020-03-03 10:16:50	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	50.8 dB		
LAE	78.6 dB	SEA	--- dB
EA	8.1 µPa²h		
LZ_{peak}	117.2 dB	2020-03-03 10:08:33	
LAS_{max}	59.6 dB	2020-03-03 10:11:41	
LAS_{min}	46.4 dB	2020-03-03 10:15:25	
LA_{eq}	50.8 dB		
LC_{eq}	79.6 dB	LC_{eq} - LA_{eq}	28.8 dB
LAI_{eq}	54.9 dB	LAI_{eq} - LA_{eq}	4.0 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	50.8 dB	50.8 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	50.8 dB	50.8 dB	--- dB	--- dB

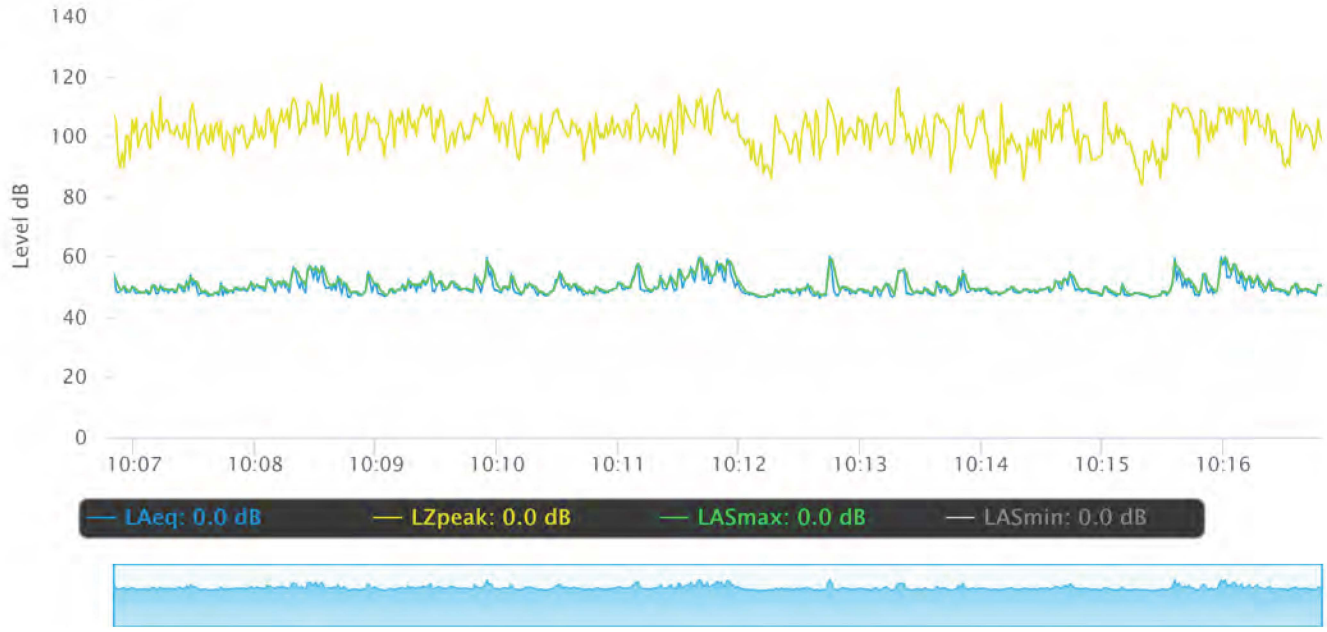
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	50.8 dB		79.6 dB		--- dB	
$LS_{(max)}$	59.6 dB	2020-03-03 10:11:41	--- dB		--- dB	
$LS_{(min)}$	46.4 dB	2020-03-03 10:15:25	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		117.2 dB	2020-03-03 10:08:33

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	55.4 dB
LAS 10.0	53.6 dB
LAS 33.3	50.1 dB
LAS 50.0	49.2 dB
LAS 66.6	48.6 dB
LAS 90.0	47.6 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	North central of Project Site		
Noise Sources:			
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
52.0	47.8	63.1	115.2

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.005	Computer's File Name	SLM_0005586_Rialto__005.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 10:22:49	Duration	0:10:00.0
End Time	2020-03-03 10:32:49	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	52.0 dB		
LAE	79.8 dB	SEA	--- dB
EA	10.5 µPa²h		
LZ_{peak}	115.2 dB	2020-03-03 10:28:01	
LAS_{max}	63.1 dB	2020-03-03 10:23:44	
LAS_{min}	47.8 dB	2020-03-03 10:24:30	
LA_{eq}	52.0 dB		
LC_{eq}	72.6 dB	LC_{eq} - LA_{eq}	20.6 dB
LAI_{eq}	55.5 dB	LAI_{eq} - LA_{eq}	3.6 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	52.0 dB	52.0 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	52.0 dB	52.0 dB	--- dB	--- dB

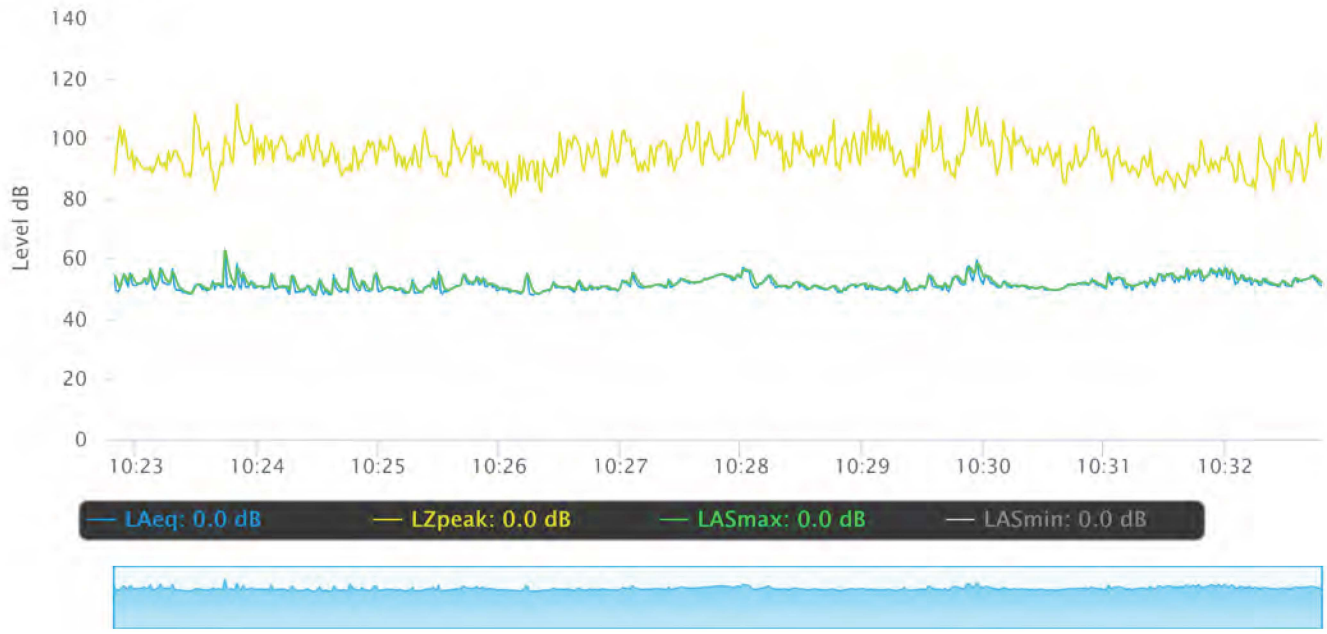
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	52.0 dB		72.6 dB		--- dB	
$LS_{(max)}$	63.1 dB	2020-03-03 10:23:44	--- dB		--- dB	
$LS_{(min)}$	47.8 dB	2020-03-03 10:24:30	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		115.2 dB	2020-03-03 10:28:01

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	54.9 dB
LAS 10.0	54.2 dB
LAS 33.3	52.0 dB
LAS 50.0	51.1 dB
LAS 66.6	50.5 dB
LAS 90.0	49.5 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	Northwest of Project Site		
Noise Sources:			
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
56.8	49.4	65.3	109.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.006	Computer's File Name	SLM_0005586_Rialto__006.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 10:39:24	Duration	0:10:00.0
End Time	2020-03-03 10:49:24	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	56.8 dB		
LAE	84.5 dB	SEA	--- dB
EA	31.6 µPa²h		
LZ_{peak}	109.7 dB	2020-03-03 10:46:13	
LAS_{max}	65.3 dB	2020-03-03 10:42:17	
LAS_{min}	49.4 dB	2020-03-03 10:41:13	
LA_{eq}	56.8 dB		
LC_{eq}	76.1 dB	LC_{eq} - LA_{eq}	19.4 dB
LAI_{eq}	58.2 dB	LAI_{eq} - LA_{eq}	1.4 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	56.8 dB	56.8 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	56.8 dB	56.8 dB	--- dB	--- dB

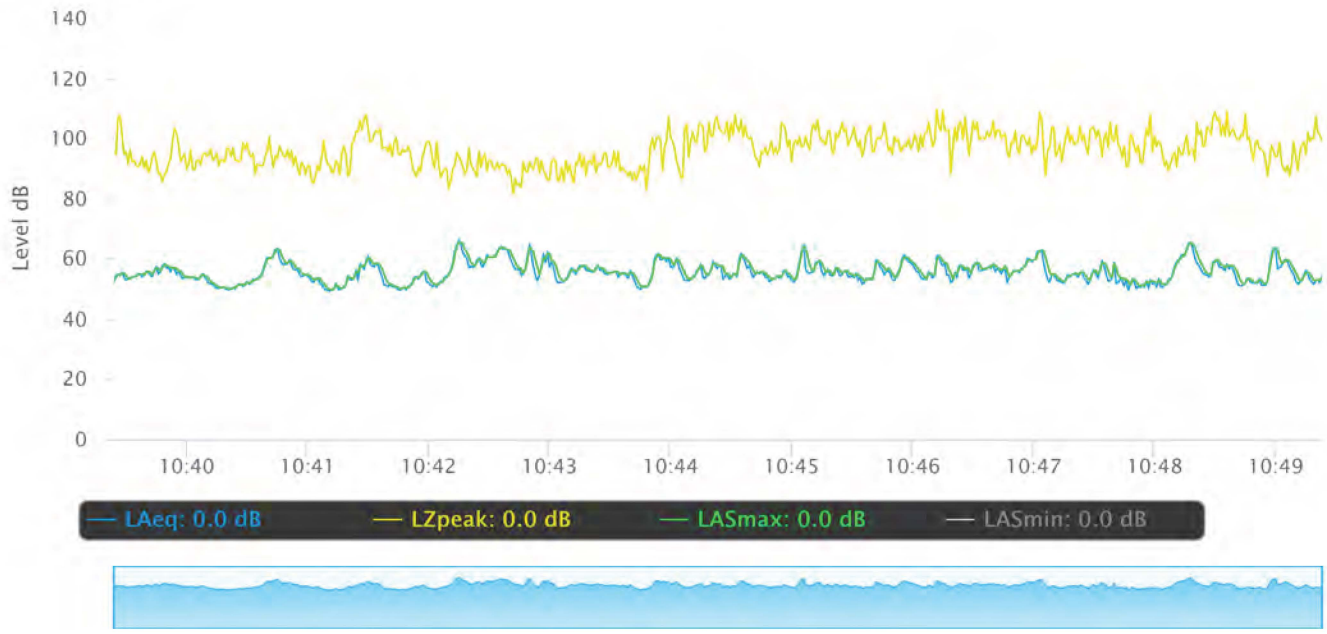
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	56.8 dB		76.1 dB		--- dB	
$LS_{(max)}$	65.3 dB	2020-03-03 10:42:17	--- dB		--- dB	
$LS_{(min)}$	49.4 dB	2020-03-03 10:41:13	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		109.7 dB	2020-03-03 10:46:13

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	61.2 dB
LAS 10.0	60.0 dB
LAS 33.3	56.6 dB
LAS 50.0	55.0 dB
LAS 66.6	53.9 dB
LAS 90.0	51.4 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	Southwest of Project Site		
Noise Sources:	Vehicles passing		
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
62.6	46.1	75.6	108.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.007	Computer's File Name	SLM_0005586_Rialto__007.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 10:57:25	Duration	0:10:00.0
End Time	2020-03-03 11:07:25	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	62.6 dB		
LAE	90.4 dB	SEA	--- dB
EA	121.8 µPa²h		
LZ_{peak}	108.7 dB	2020-03-03 11:02:46	
LAS_{max}	75.6 dB	2020-03-03 11:03:20	
LAS_{min}	46.1 dB	2020-03-03 11:00:41	
LA_{eq}	62.6 dB		
LC_{eq}	74.7 dB	LC_{eq} - LA_{eq}	12.1 dB
LAI_{eq}	64.3 dB	LAI_{eq} - LA_{eq}	1.7 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	62.6 dB	62.6 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	62.6 dB	62.6 dB	--- dB	--- dB

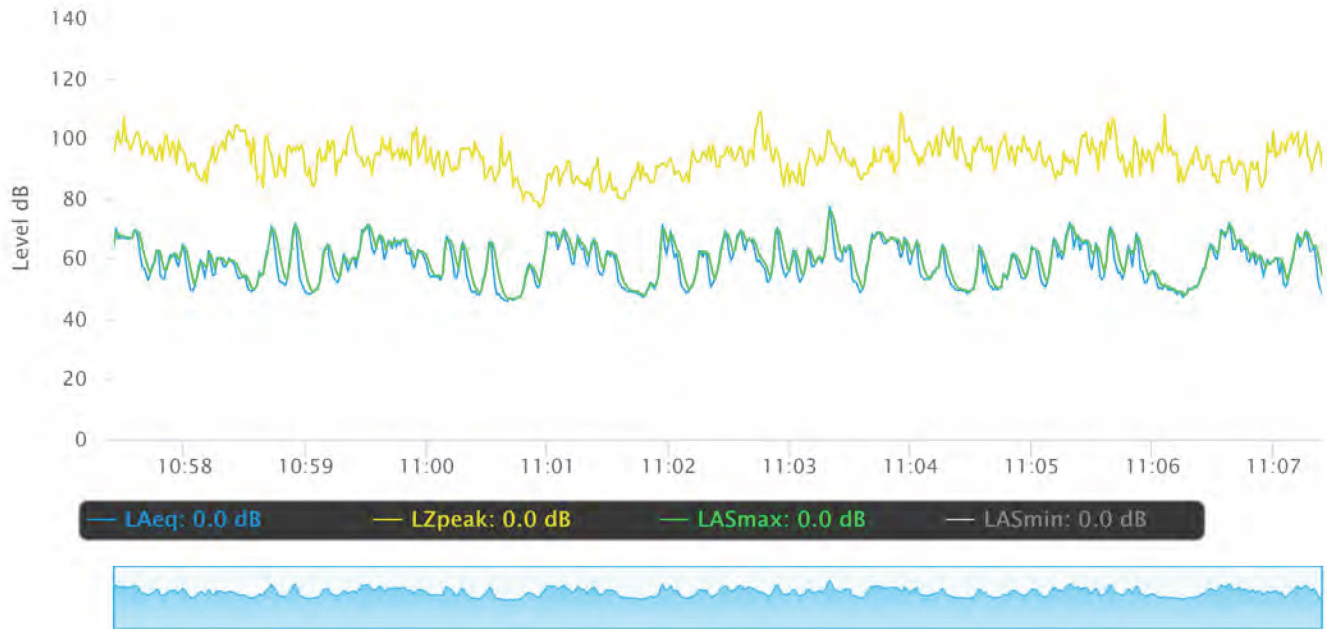
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	62.6 dB		74.7 dB		--- dB	
$LS_{(max)}$	75.6 dB	2020-03-03 11:03:20	--- dB		--- dB	
$LS_{(min)}$	46.1 dB	2020-03-03 11:00:41	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		108.7 dB	2020-03-03 11:02:46

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	68.2 dB
LAS 10.0	66.8 dB
LAS 33.3	62.2 dB
LAS 50.0	59.5 dB
LAS 66.6	56.1 dB
LAS 90.0	50.2 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	South side of Baseline Rd, west of Idyllwild Ave		
Noise Sources:	Vehicles passing		
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
72.1	48.8	81.0	107.0

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.008	Computer's File Name	SLM_0005586_Rialto__008.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 11:10:56	Duration	0:10:00.0
End Time	2020-03-03 11:20:56	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	72.1 dB		
LAE	99.9 dB	SEA	--- dB
EA	1.1 mPa²h		
LZ_{peak}	107.0 dB	2020-03-03 11:11:05	
LAS_{max}	81.0 dB	2020-03-03 11:14:28	
LAS_{min}	48.8 dB	2020-03-03 11:19:32	
LA_{eq}	72.1 dB		
LC_{eq}	76.4 dB	LC_{eq} - LA_{eq}	4.3 dB
LAI_{eq}	73.5 dB	LAI_{eq} - LA_{eq}	1.3 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	72.1 dB	72.1 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	72.1 dB	72.1 dB	--- dB	--- dB

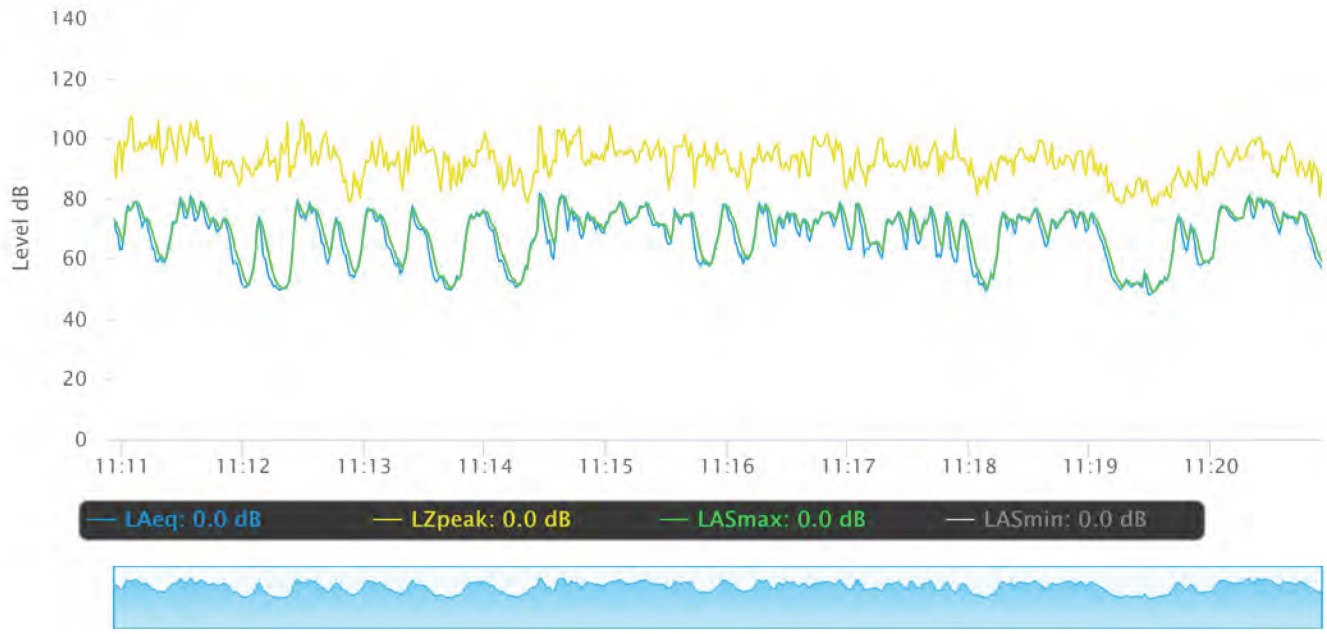
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	72.1 dB		76.4 dB		--- dB	
$LS_{(max)}$	81.0 dB	2020-03-03 11:14:28	--- dB		--- dB	
$LS_{(min)}$	48.8 dB	2020-03-03 11:19:32	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		107.0 dB	2020-03-03 11:11:05

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	77.3 dB
LAS 10.0	76.0 dB
LAS 33.3	72.9 dB
LAS 50.0	70.5 dB
LAS 66.6	65.6 dB
LAS 90.0	53.6 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	Resident's backyard (house just west of Idyllwild), South side of Baseline Rd		
Noise Sources:	Dog barking in backyard		
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
70.6	44.2	76.8	97.6

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.009	Computer's File Name	SLM_0005586_Rialto__009.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 11:25:53	Duration	0:10:00.0
End Time	2020-03-03 11:35:53	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	61.3 dB		
LAE	89.1 dB	SEA	--- dB
EA	91.0 µPa²h		
LZ_{peak}	97.6 dB	2020-03-03 11:33:56	
LAS_{max}	76.8 dB	2020-03-03 11:27:37	
LAS_{min}	44.2 dB	2020-03-03 11:34:20	
LA_{eq}	61.3 dB		
LC_{eq}	70.6 dB	LC_{eq} - LA_{eq}	9.3 dB
LAI_{eq}	67.2 dB	LAI_{eq} - LA_{eq}	5.9 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
61.3 dB	61.3 dB	0.0 dB

LDEN	LDay	LEve	LNight
61.3 dB	61.3 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	61.3 dB		70.6 dB		--- dB	
$LS_{(max)}$	76.8 dB	2020-03-03 11:27:37	--- dB		--- dB	
$LS_{(min)}$	44.2 dB	2020-03-03 11:34:20	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		97.6 dB	2020-03-03 11:33:56

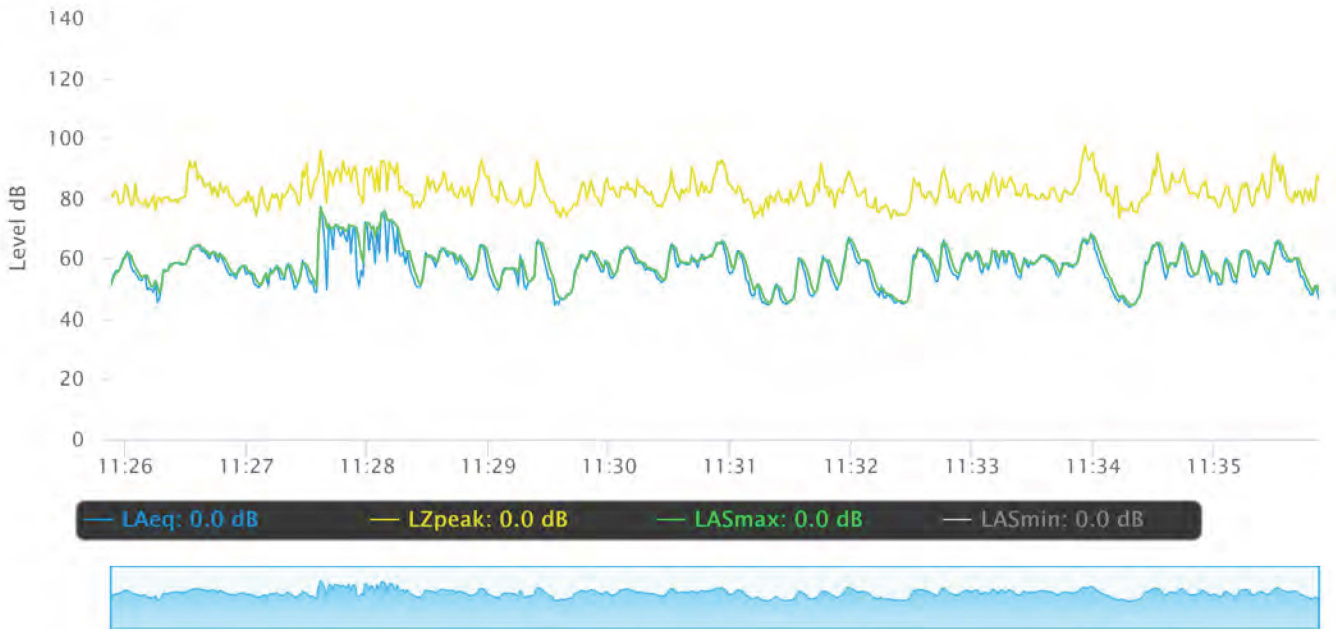
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	67.3 dB
LAS 10.0	64.2 dB
LAS 33.3	59.8 dB
LAS 50.0	58.0 dB
LAS 66.6	55.5 dB
LAS 90.0	49.1 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	Resident's backyard (house north of cul-de-sac), South side of Baseline Rd		
Noise Sources:	Person doing yard work		
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
60.7	47.2	72.3	99.9

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.010	Computer's File Name	SLM_0005586_Rialto__010.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 11:44:04	Duration	0:10:00.0
End Time	2020-03-03 11:54:04	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	60.7 dB		
LAE	88.5 dB	SEA	--- dB
EA	78.1 µPa²h		
LZ_{peak}	99.9 dB	2020-03-03 11:44:18	
LAS_{max}	72.3 dB	2020-03-03 11:53:46	
LAS_{min}	47.2 dB	2020-03-03 11:53:21	
LA_{eq}	60.7 dB		
LC_{eq}	69.9 dB	LC_{eq} - LA_{eq}	9.2 dB
LAI_{eq}	67.3 dB	LAI_{eq} - LA_{eq}	6.6 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	60.7 dB	60.7 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	60.7 dB	60.7 dB	--- dB	--- dB

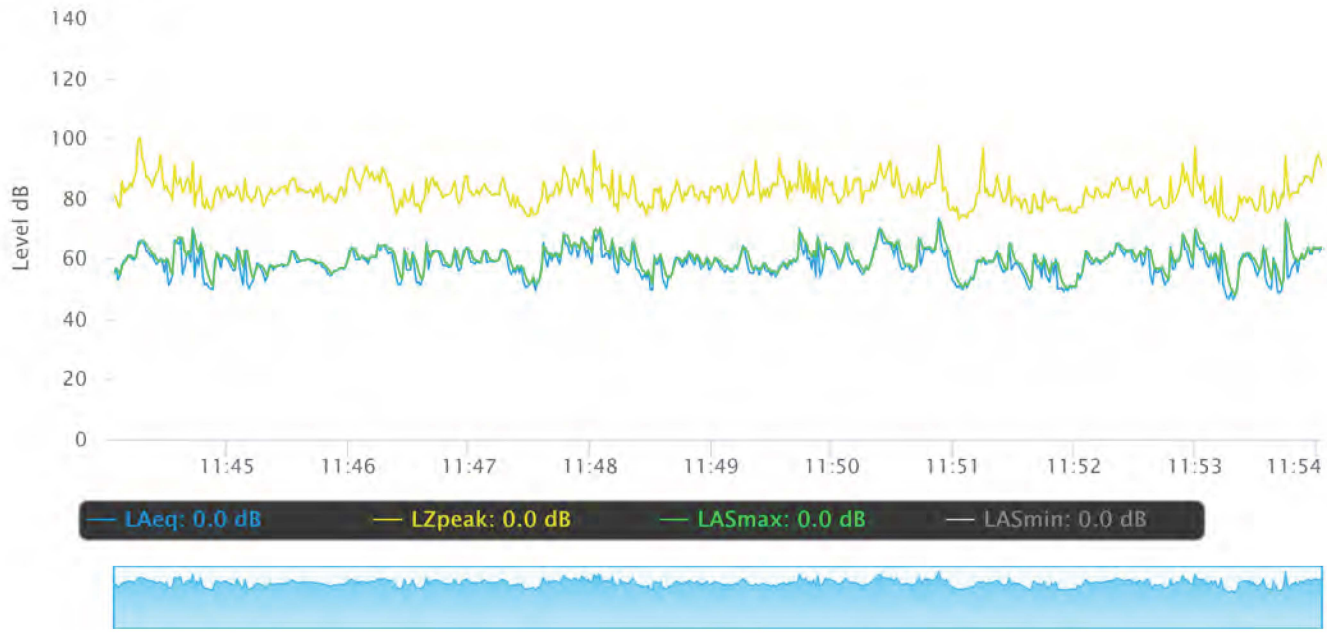
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	60.7 dB		69.9 dB		--- dB	
$LS_{(max)}$	72.3 dB	2020-03-03 11:53:46	--- dB		--- dB	
$LS_{(min)}$	47.2 dB	2020-03-03 11:53:21	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		99.9 dB	2020-03-03 11:44:18

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	65.1 dB
LAS 10.0	63.5 dB
LAS 33.3	60.5 dB
LAS 50.0	59.2 dB
LAS 66.6	57.7 dB
LAS 90.0	53.8 dB

Time History



Noise Measurement Field Data

Project:	Olive Grove Rialto	**Job Number:**	195195001
Site No.:		**Date:**	3/3/2020
Analyst:	Morgan Miller, Matthew Broncato	**Time:**	
Location:	South side of Baseline Rd, west of Glenwood Ave		
Noise Sources:	Vehicles passing		
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
72.9	49.9	85.0	108.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	70
Wind (mph):	<5
Sky:	Clear
Bar. Pressure:	29.96 inHg
Humidity:	14%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	Rialto_.011	Computer's File Name	SLM_0005586_Rialto__011.01.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Alex Howard	Location	
Description			
Note			
Start Time	2020-03-03 12:00:32	Duration	0:10:00.0
End Time	2020-03-03 12:10:32	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	72.9 dB		
LAE	100.7 dB	SEA	--- dB
EA	1.3 mPa²h		
LZ_{peak}	108.7 dB	2020-03-03 12:02:17	
LAS_{max}	85.0 dB	2020-03-03 12:10:14	
LAS_{min}	49.9 dB	2020-03-03 12:06:21	
LA_{eq}	72.9 dB		
LC_{eq}	78.0 dB	LC_{eq} - LA_{eq}	5.1 dB
LAI_{eq}	74.8 dB	LAI_{eq} - LA_{eq}	1.9 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	72.9 dB	72.9 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	72.9 dB	72.9 dB	--- dB	--- dB

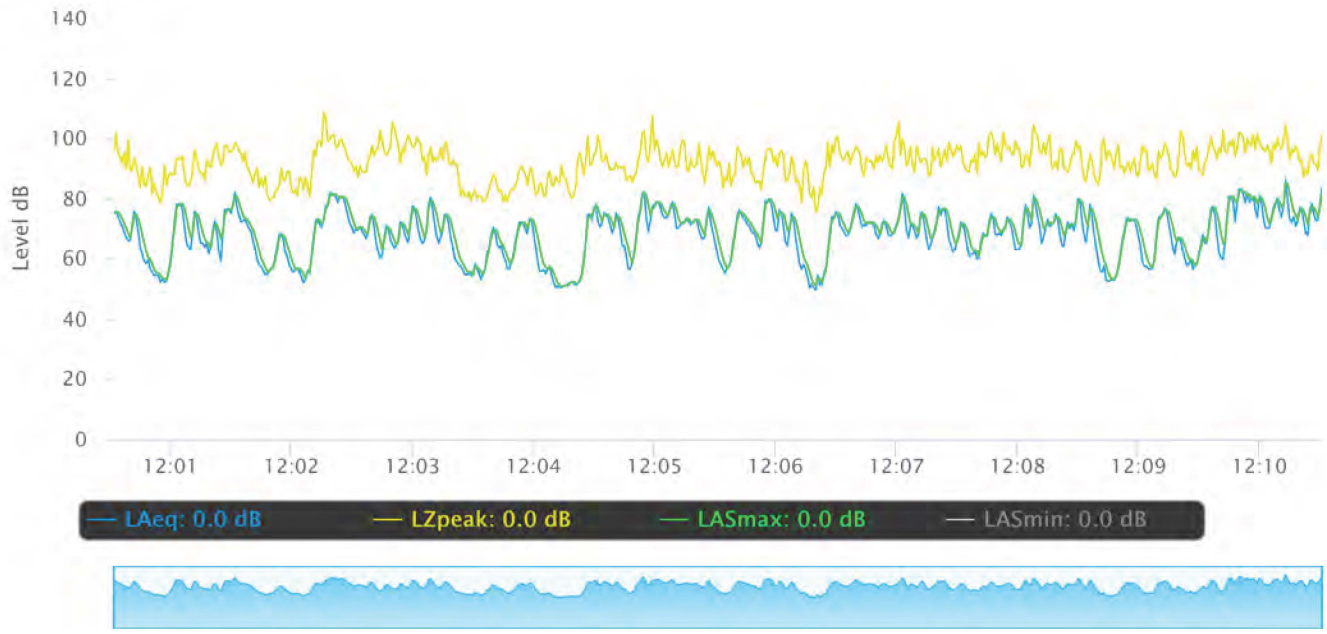
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	72.9 dB		78.0 dB		--- dB	
$LS_{(max)}$	85.0 dB	2020-03-03 12:10:14	--- dB		--- dB	
$LS_{(min)}$	49.9 dB	2020-03-03 12:06:21	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		108.7 dB	2020-03-03 12:02:17

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	79.1 dB
LAS 10.0	77.0 dB
LAS 33.3	72.4 dB
LAS 50.0	69.9 dB
LAS 66.6	66.4 dB
LAS 90.0	56.5 dB

Time History



Roadway Construction Noise Model (RCNM),Version 1

Report date: 1/20/2021
Case Description: Olive Grove - Site Prep

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receptor	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	605	0
Dozer	No	40		81.7	605	0
Dozer	No	40		81.7	605	0
Tractor	No	40	84		605	0
Tractor	No	40	84		605	0
Tractor	No	40	84		605	0
Tractor	No	40	84		605	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Dozer	60	56	N/A	N/A	N/A	N/A
Dozer	60	56	N/A	N/A	N/A	N/A
Dozer	60	56	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Total	62.3	66	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial Use	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	660	0
Dozer	No	40		81.7	660	0
Dozer	No	40		81.7	660	0
Tractor	No	40	84		660	0
Tractor	No	40	84		660	0
Tractor	No	40	84		660	0
Tractor	No	40	84		660	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Dozer	59.3	55.3	N/A	N/A	N/A	N/A
Dozer	59.3	55.3	N/A	N/A	N/A	N/A
Dozer	59.3	55.3	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Total	61.6	65.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1

Report date: 1/20/2021
Case Description: Olive Grove - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Receptor	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	605	0
Excavator	No	40		80.7	605	0
Grader	No	40	85		605	0
Dozer	No	40		81.7	605	0
Scraper	No	40		83.6	605	0
Scraper	No	40		83.6	605	0
Tractor	No	40	84		605	0
Tractor	No	40	84		605	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	59.1	55.1	N/A	N/A	N/A	N/A
Excavator	59.1	55.1	N/A	N/A	N/A	N/A
Grader	63.3	59.4	N/A	N/A	N/A	N/A
Dozer	60	56	N/A	N/A	N/A	N/A
Scraper	61.9	57.9	N/A	N/A	N/A	N/A
Scraper	61.9	57.9	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Total	63.3	66.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial Uses	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	660	0
Excavator	No	40		80.7	660	0
Grader	No	40	85		660	0
Dozer	No	40		81.7	660	0
Scraper	No	40		83.6	660	0
Scraper	No	40		83.6	660	0
Tractor	No	40	84		660	0
Tractor	No	40	84		660	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	58.3	54.3	N/A	N/A	N/A	N/A
Excavator	58.3	54.3	N/A	N/A	N/A	N/A
Grader	62.6	58.6	N/A	N/A	N/A	N/A
Dozer	59.3	55.3	N/A	N/A	N/A	N/A
Scraper	61.2	57.2	N/A	N/A	N/A	N/A
Scraper	61.2	57.2	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Total	62.6	65.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1

Report date: 1/20/2021
Case Description: Olive Grove - Construction/Paving/Pai

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Receptor	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	605	0
Generator	No	50		80.6	605	0
Tractor	No	40	84		605	0
Tractor	No	40	84		605	0
Tractor	No	40	84		605	0
Welder / Torch	No	40		74	605	0
Paver	No	50		77.2	605	0
Paver	No	50		77.2	605	0
Roller	No	20		80	605	0
Roller	No	20		80	605	0
Compressor (air)	No	40		77.7	605	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	58.9	50.9	N/A	N/A	N/A	N/A
Generator	59	56	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Welder / Torch	52.3	48.4	N/A	N/A	N/A	N/A
Paver	55.6	52.6	N/A	N/A	N/A	N/A
Paver	55.6	52.6	N/A	N/A	N/A	N/A
Roller	58.3	51.4	N/A	N/A	N/A	N/A
Roller	58.3	51.4	N/A	N/A	N/A	N/A
Compressor (air)	56	52	N/A	N/A	N/A	N/A
Total	62.3	65.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Industrial Uses	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	660	0
Generator	No	50		80.6	660	0
Tractor	No	40	84		660	0
Tractor	No	40	84		660	0
Tractor	No	40	84		660	0
Welder / Torch	No	40		74	660	0
Paver	No	50		77.2	660	0
Paver	No	50		77.2	660	0
Roller	No	20		80	660	0
Roller	No	20		80	660	0
Compressor (air)	No	40		77.7	660	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	58.1	50.2	N/A	N/A	N/A	N/A
Generator	58.2	55.2	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A
Welder / Torch	51.6	47.6	N/A	N/A	N/A	N/A
Paver	54.8	51.8	N/A	N/A	N/A	N/A
Paver	54.8	51.8	N/A	N/A	N/A	N/A
Roller	57.6	50.6	N/A	N/A	N/A	N/A
Roller	57.6	50.6	N/A	N/A	N/A	N/A
Compressor (air)	55.3	51.3	N/A	N/A	N/A	N/A
Total	61.6	64.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Olive Ave
Project Number: 195195001
Scenario: Existing Plus Construction
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

									Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Ayala Drive	Renaissance Parkway to Fitzgerald Ave	4	12	24,405	30	0	4.6%	13.7%	71.7	148	468	1,478	4,675
2	Ayala Drive	Fitzgerald Avenue to Baseline Road	4	12	20,775	30	0	4.6%	13.9%	71.1	128	404	1,278	4,042
3	Baseline Road	West of Ayala Drive	4	12	16,063	30	0	4.6%	14.4%	70.1	102	322	1,019	3,221
4	Baseline Road	Ayala Drive to Fitzgerald Avenue	4	12	14,040	30	0	4.6%	14.8%	69.6	91	287	908	2,870
5	Baseline Road	Idyllwild Avenue to Cactus Avenue	4	12	15,452	30	0	4.6%	14.5%	69.9	99	311	985	3,115

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Olive Ave
Project Number: 195195001
Scenario: Existing
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

									Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Ayala Drive	Renaissance Parkway to Fitzgerald Ave	4	12	23,506	30	0	4.6%	12.3%	71.1	130	412	1,303	4,120
2	Ayala Drive	Fitzgerald Avenue to Baseline Road	4	12	19,876	30	0	4.6%	12.3%	70.4	110	348	1,102	3,484
3	Baseline Road	West of Ayala Drive	4	12	15,164	30	0	4.6%	12.3%	69.2	84	266	840	2,658
4	Baseline Road	Ayala Drive to Fitzgerald Avenue	4	12	13,141	30	0	4.6%	12.3%	68.6	73	230	728	2,303
5	Baseline Road	Idyllwild Avenue to Cactus Avenue	4	12	14,553	30	0	4.6%	12.3%	69.1	81	255	807	2,551

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Olive Ave
Project Number: 195195001
Scenario: Opening Year
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

									Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Ayala Drive	Renaissance Parkway to Fitzgerald Ave	4	12	23,506	30	0	4.6%	12.3%	71.1	130	412	1,303	4,120
2	Ayala Drive	Fitzgerald Avenue to Baseline Road	4	12	19,876	30	0	4.6%	12.3%	70.4	110	348	1,102	3,484
3	Baseline Road	West of Ayala Drive	4	12	15,164	30	0	4.6%	12.3%	69.2	84	266	840	2,658
4	Baseline Road	Ayala Drive to Fitzgerald Avenue	4	12	13,141	30	0	4.6%	12.3%	68.6	73	230	728	2,303
5	Baseline Road	Idyllwild Avenue to Cactus Avenue	4	12	14,553	30	0	4.6%	12.3%	69.1	81	255	807	2,551

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Olive Ave
Project Number: 195195001
Scenario: Opening Year Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

									Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Ayala Drive	Renaissance Parkway to Fitzgerald Ave	4	12	24,456	30	0	4.6%	12.3%	71.3	136	429	1,355	4,286
2	Ayala Drive	Fitzgerald Avenue to Baseline Road	4	12	20,679	30	0	4.6%	12.3%	70.6	115	362	1,146	3,624
3	Baseline Road	West of Ayala Drive	4	12	15,777	30	0	4.6%	12.3%	69.4	87	277	874	2,765
4	Baseline Road	Ayala Drive to Fitzgerald Avenue	4	12	13,672	30	0	4.6%	12.3%	68.8	76	240	758	2,396
5	Baseline Road	Idyllwild Avenue to Cactus Avenue	4	12	15,141	30	0	4.6%	12.3%	69.2	84	265	839	2,654

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

APPENDIX K

TRAFFIC IMPACT STUDY

Traffic Impact Study

for the proposed:

Rialto Olive Avenue Business Park Project

In the City of Rialto

November, 2021

Kimley»Horn

TRAFFIC IMPACT STUDY
FOR THE PROPOSED
OLIVE GROVE BUSINESS PARK PROJECT
IN THE CITY OF RIALTO

Prepared by:

Kimley-Horn and Associates, Inc.
3880 Lemon Street, Suite 420
Riverside, California 92501

November, 2021

TABLE OF CONTENTS

Page

I. INTRODUCTION 1
A. Purpose of the TIA and Study Objectives 1
B. Site Plan Location and Study Area 1
C. Development Project Identification 3
D. Development Project Description 3
E. Analysis Methodology 5
1. Intersection Analysis – HCM Methodology 5
2. Level of Service Standards and Measure of Significance 5
II. AREA CONDITIONS 8
A. Identify Study Area and Intersections 8
B. Description of Existing Roads, Traffic Controls, and Intersection Geometrics 8
C. Existing Traffic Volumes 11
D. Existing Delay and Level of Service 11
E. General Plan Circulation Element 14
F. Transit Service 14
III. PROJECTED FUTURE TRAFFIC 19
A. Project Traffic 19
1. Project Trip Generation 19
2. Trip Distribution and Assignment 19
B. Existing Plus Growth Conditions (Opening Year 2022) 26
1. Ambient Growth Rate 26
2. Opening Year 2022 Existing Plus Growth 26
3. Opening Year 2022 Existing Plus Growth Plus Project 32
C. Cumulative Conditions (Existing Plus Growth Plus Cumulative Projects) 35
1. Cumulative Projects 35
2. Background Growth Rate 35
3. Cumulative Projects Trip Generation 35
4. Cumulative Projects Trip Distribution and Assignment 35
5. Opening Year 2022 Cumulative Without Project Conditions 39
6. Opening Year 2022 Cumulative Plus Project Conditions 39
IV. MITIGATION MEASURES 47
A. Intersection Improvements 47
B. Roadway Improvements 48
V. FINDINGS AND RECOMMENDATIONS 52
A. Improvements 52
B. Traffic Signal Warrant Analysis 52
C. Site Circulation 52
D. Safety and Operational Improvements 53
E. Signal Proximity and Operational Analysis 53
Build-Out Delay and Level of Service 53
1. 53
2. Build-Out Queueing Analysis 53
F. Fair Share Calculations 56

G. Specific Plan Signalization 56
H. General Plan Conformance 56
I. Regional Funding Mechanisms 56
J. Vehicle Miles Traveled Analysis 66

APPENDICES

APPENDIX A: APPROVED SCOPING AGREEMENT
APPENDIX B: TRAFFIC COUNT DATA SHEETS
APPENDIX C: PCE WORKSHEETS
APPENDIX D: INTERSECTION ANALYSIS WORKSHEETS
APPENDIX E: CUMULATIVE PROJECTS INFORMATION
APPENDIX F: SIGNAL WARRANT ANALYSIS WORKSHEETS
APPENDIX G: GLENWOOD AVE REDISTRIBUTION AND BUILD-OUT ANALYSIS WORKSHEETS
APPENDIX H: QUEUEING ANALYSIS WORKSHEETS
APPENDIX I: ALDER AVENUE & SR-210 INTERCHANGE IMPROVEMENTS

LIST OF FIGURES

Page
Figure 1 – Vicinity Map 2
Figure 2 – Project Site Plan 4
Figure 3 – Existing Lane Configuration and Traffic Control 10
Figure 4 – Existing Daily and Peak Hour Traffic Volumes 12
Figure 5 – General Plan Street Classifications 16
Figure 6 – Renaissance Specific Plan Street Classification 17
Figure 7 – Renaissance Specific Plan Truck Routes 18
Figure 8 – Project Trip Distribution – Passenger Vehicles 21
Figure 9 – Project Trip Distribution – Passenger Vehicles 22
Figure 10 – Project Trip Distribution – Trucks 23
Figure 11 – Project Trip Distribution – Trucks 24
Figure 12 – Project-Related Traffic Volumes 25
Figure 13 – Opening Year 2022 – Existing Plus Growth Traffic Volumes 28
Figure 14 – Opening Year 2022 – Existing Plus Growth Plus Project Traffic Volumes 29
Figure 15 – Location of Cumulative Projects 37
Figure 16 – Cumulative Projects Traffic Volumes 38
Figure 17 – Opening Year 2022 Cumulative Without Project Traffic Volumes 40
Figure 18 – Opening Year 2022 Cumulative Plus Project Traffic Volumes 43
Figure 19 – Truck Turn Exhibit 57
Figure 20 – Truck Turn Exhibit 58
Figure 21 – Truck U-Turn Exhibit 59
Figure 22 – Truck U-Turn Exhibit 60
Figure 23 – Truck U-Turn Exhibit 61
Figure 24 – Truck U-Turn Exhibit 62
Figure 25 – Truck Queueing 63
Figure 26 – Traffic Signal Exhibit 64
Figure 27 – Traffic Signal Exhibit 65

LIST OF TABLES

Page
Table 1 – Summary of Intersection Operation – Existing Conditions 13
Table 2 – Summary of Roadway Analysis – Existing Conditions 15
Table 3 – Summary of Project Trip Generation 20
Table 4 – Summary of Intersection Operation – Opening Year 2022 – Existing Plus Growth 30
Table 5 – Summary of Roadway Analysis – Opening Year 2022 – Existing Plus Growth 31
Table 6 – Summary of Intersection Operation – Opening Year 2022 – Existing + Growth Plus Project 33
Table 7 – Summary of Roadway Analysis – Opening Year 2022 – Existing + Growth + Project 34
Table 8 – Summary of Cumulative Projects 36
Table 9 – Summary of Intersection Operation – Opening Year 2022 Cumulative Without Project 41
Table 10 – Summary of Roadway Analysis – Opening Year 2022 Cumulative Without Project 42
Table 11 – Summary of Intersection Operation – Opening Year 2022 Cumulative Plus Project 44

Table 12 – Summary of Roadway Analysis – Opening Year 2022 Cumulative Plus Project.....46
Table 13 – Summary of Intersection Operation with Proposed Mitigation Measures.....49
Table 14 – Summary of Project Fair Share for Mitigation Measures.....50
Table 15 – Traffic Impact Mitigation Fair-Share Cost.....51
Table 16 – Summary of Intersection Operations - Opening Year (2022) with Project Buildout.....54
Table 17 – Queueing Summary - Opening Year (2022) with Project Buildout.....55
Table 18– SBCT VMT Screening Tool Results.....67
Table 19 – VMT Impact Thresholds.....68
Table 20 – VMT Impact Evaluation.....69

TRAFFIC IMPACT STUDY
FOR THE PROPOSED
OLIVE AVENUE DEVELOPMENT PROJECT
IN THE CITY OF RIALTO

I. INTRODUCTION

A. Purpose of the TIA and Study Objectives

This Traffic Impact Study has been prepared to address the traffic-related impacts of the proposed Olive Avenue Development Project in the City of Rialto.

This Traffic Impact Study ("**Study**") has been conducted in accordance with the traffic study requirements of the City of Rialto, based on the City's *Traffic Impact Analysis Report Guidelines and Requirements* (Date: December 2013), and in accordance with San Bernardino Association of Governments (SANBAG) Congestion Management Program (CMP) requirements.

This Study addresses existing, short-term future, and long-term future traffic conditions, taking into account the Project trips to be generated by the Project and potential Project-related impacts on the surrounding circulation system.

This Study includes a description of existing traffic conditions in the surrounding area, estimated Project trip generation and distribution, future traffic growth, and an assessment of Project-related impacts on the roadway system. Where necessary, circulation system improvements have been identified to achieve acceptable intersection operation in the vicinity of the Project.

The Project will be evaluated for the following conditions:

- Existing Conditions
- Opening Year 2022 – Existing Plus Growth
- Opening Year 2022 – Existing Plus Growth Plus Project
- Opening Year 2022 Cumulative – Without Project
- Opening Year 2022 Cumulative – With Project

B. Site Plan Location and Study Area

The Project is located in the western area of the City of Rialto, and is shown in its regional setting on a vicinity map on **Figure 1**. The Project site (approximately 31.08 acres) is bounded by a park to the north, Baseline Road to the south, permanent open space vacant land to the east (San Bernardino County Flood Control land), and industrial uses and vacant land to the west.

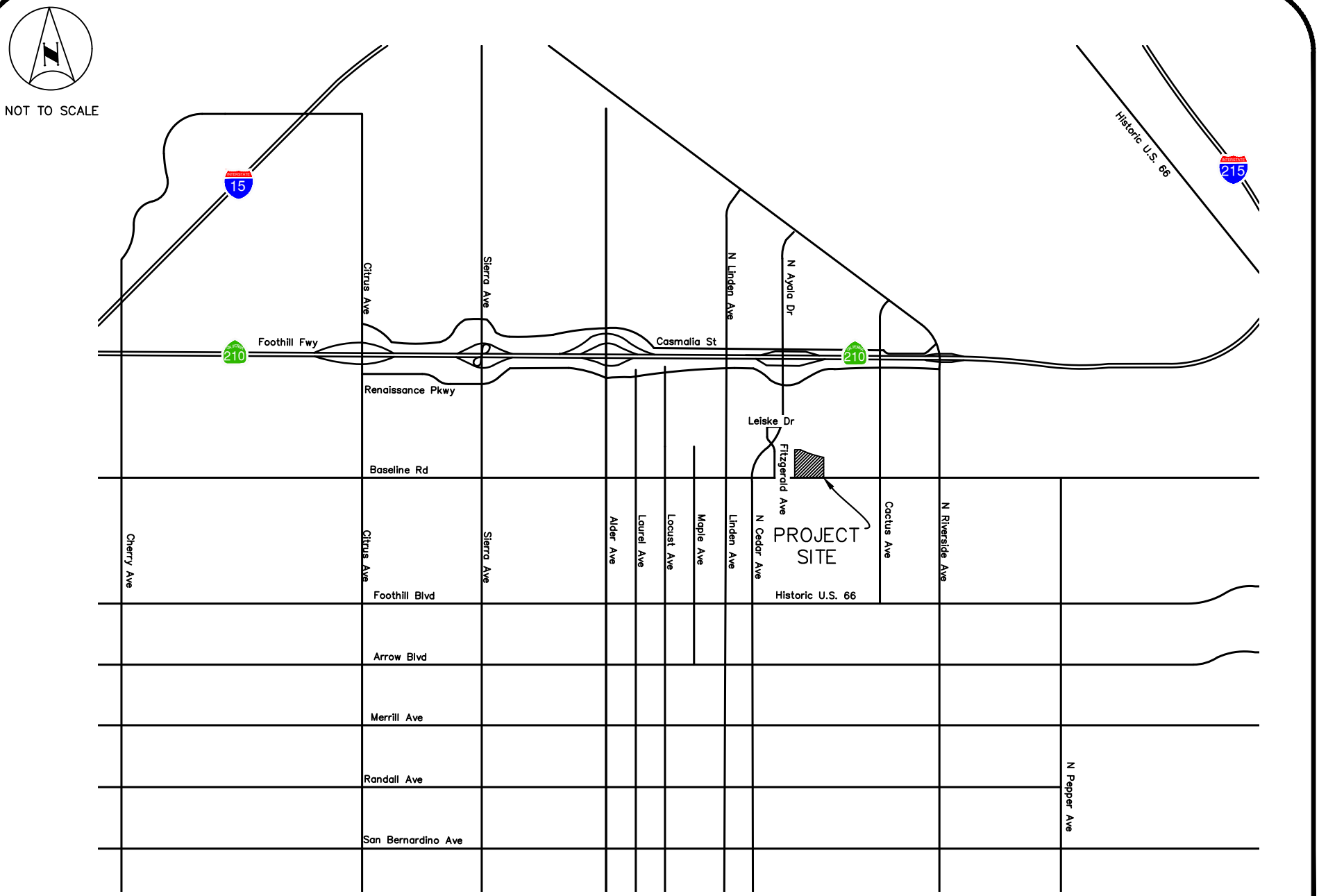


FIGURE 1
VICINITY MAP

C. Development Project Identification

Pending

D. Development Project Description

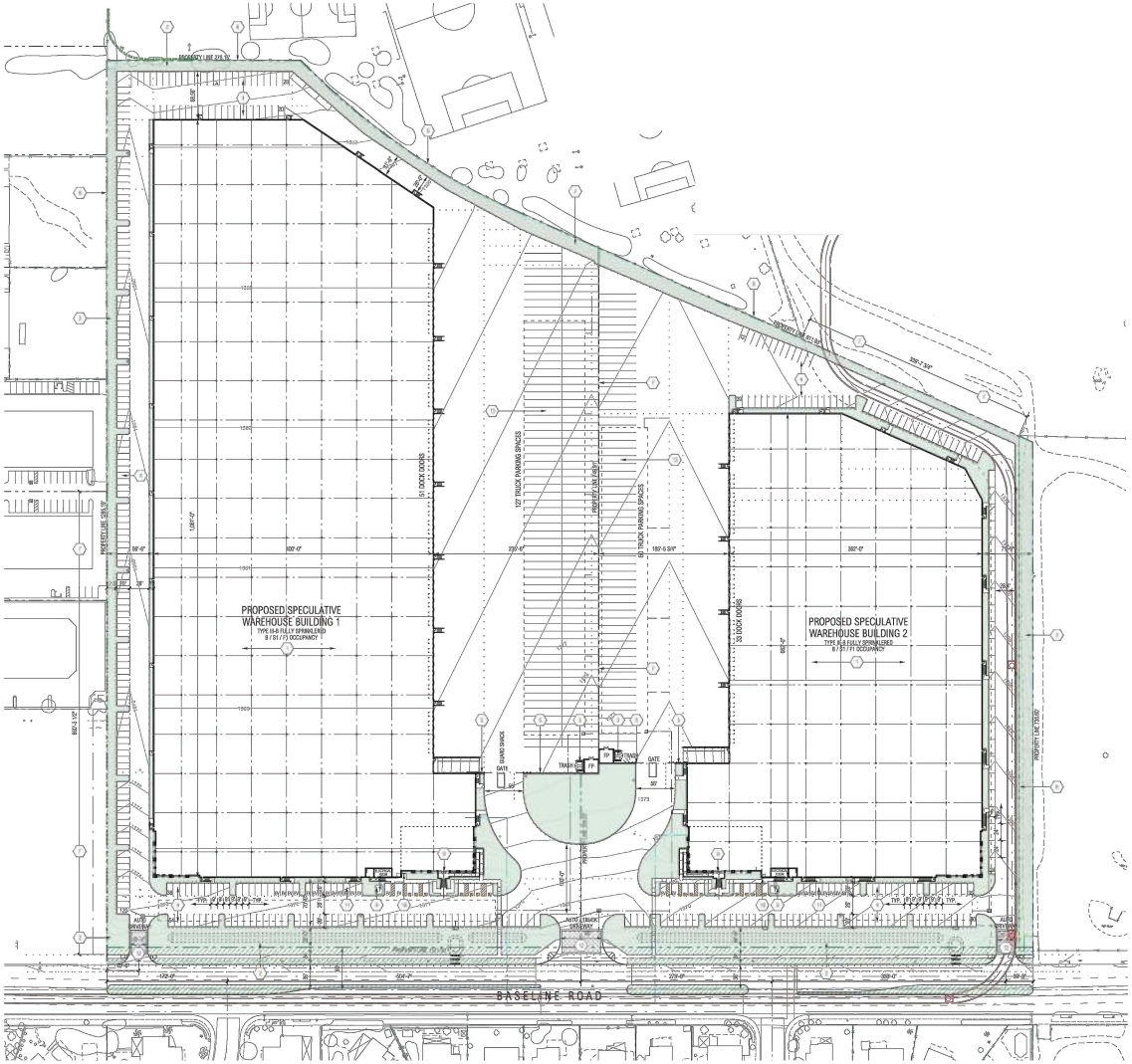
The Project will involve the construction of two industrial buildings in a business park environment totaling 679,607 square feet. A copy of the Project site plan is provided on **Figure 2.**

The Project is located within the City of Rialto Airport Specific Plan area and designates the Project site as an Industrial-Airport Related (I-AR) land use.

Vehicular access provisions for the Project site would consist of three access points along Baseline Road. Passenger vehicles would access the Project site via all three entry points. The westernmost and easternmost entry points along Baseline Road would be unsignalized, right-in right-out only access points. The center of the Project main entry point would provide for full-access and will be signalized. There will be a raised median constructed along the entire Project frontage to assist with traffic movement along Baseline Road, and required per City of Rialto General Plan. This Project main entry point would primarily handle truck ingress and egress. Passenger cars exiting the project would use the driveways proportionally based on available parking supply, except for passenger cars that require making a left turn out (20%) at the center of the Project driveway (D2). The majority of the passenger cars entering the project would use the center driveway main entry point (80%) to make a left into the project. Trucks exiting the Project site would travel to/from the west to utilize City identified truck routes along Alder Avenue, that lead to full access to the SR-210 freeway.

The Project also proposes to construct an additional, new signalized intersection where Baseline Road and Idyllwild Avenue intersect to allow residents south of the Project to have improved ingress and egress into and out of their residential community. The traffic signal will create an offset intersection with the Project main entry point and be interconnected with one controller. An operational analysis for this intersection is described in Section V of this study.

The proposed opening year for the Project is Year 2022. The Project will be developed in a single Project phase. The Project site is located approximately ¾ miles from the City of Rialto's border with the City of Fontana.



NOT TO SCALE

FIGURE 2
PROJECT SITE PLAN

E. Analysis Methodology

1. Intersection Analysis – HCM Methodology

Peak hour intersection operations at signalized and unsignalized intersections were evaluated using the methods prescribed in the Highway Capacity Manual (HCM) 6th Edition, consistent with the requirements of the City of Rialto and the San Bernardino County CMP.

The City of Rialto guidelines require analysis of traffic operations to be based on the vehicular delay methodologies of the HCM (Transportation Research Board Special Report 209). The intersection analysis for the proposed Project has been accomplished using the VISTRO software program and using the specified input parameters outlined in the City's *Traffic Impact Analysis Report Guidelines and Requirements*.

Due to limitations for analyzing offset intersections with VISTRO software and HCM methodologies, Synchro 10 (Trafficware) was used with methodologies outlined in the 2000 HCM for the Signal Proximity and Operational Analysis in Section V of this study.

Per the HCM Methodology, Level of Service (LOS) for signalized intersections is defined in terms of average vehicle delay. Specifically, LOS criteria are stated in terms of the average control delay per vehicle for the peak 15-minute period within the hour analyzed. The charts on the following page provide a description of the operating characteristics of each Level of Service and define the LOS in terms of average seconds of delay for signalized and unsignalized intersections.

2. Level of Service Standards and Measure of Significance

The City of Rialto, per the City of Rialto 2010 General Plan Update, establishes minimum Level of Service standards. According to Policy 4-1.20 of the General Plan document, the City requires that signalized intersections operate at LOS D or better during the morning and evening peak hours. The City's Traffic Study Guidelines require new development to mitigate impacts that cause the Level of Service to fall below LOS D, or cause the peak hour delay to increase as follows:

- LOS A/B – by 10.0 seconds
- LOS C – by 8.0 seconds
- LOS D – by 5.0 seconds
- LOS E – by 2.0 seconds
- LOS F – by 1.0 second

The City's traffic study guidelines require unsignalized intersections to operate with no vehicular movement having an average delay exceeding 120 seconds during the morning and evening peak hours.

LEVEL OF SERVICE DEFINITIONS	
Level of Service	**Description**
A	No approach phase is fully utilized by traffic and no vehicle waits longer than one red indication. Typically, the approach appears quite open, turns are made easily and nearly all drivers find freedom of operation.
B	This service level represents stable operation, where an occasional approach phase is fully utilized and a substantial number are approaching full use. Many drivers begin to feel restricted within platoons of vehicles.
C	This level still represents stable operating conditions. Occasionally drivers may have to wait through more than one red signal indication, and backups may develop behind turning vehicles. Most drivers feel somewhat restricted but not objectionably so.
D	This level encompasses a zone of increasing restriction, approaching instability at the intersection. Delays to approaching vehicles may be substantial during short peaks within the peak period; however, enough cycles with lower demand occur to permit periodic clearance of developing queues, thus preventing excessive backups.
E	Capacity occurs at the upper end of this service level. It represents the most vehicles that any particular intersection approach can accommodate. Full utilization of every signal cycle is seldom attained no matter how great the demand.
F	This level describes forced flow operations at low speeds, where volumes exceed capacity. These conditions usually result from queues of vehicles backing up from a restriction downstream. Speeds are reduced substantially, and stoppages may occur for short or long periods of time due to the congestion. In the extreme case, both speed and volume can drop to zero.

[1] Source: Transportation Research Board, *Highway Capacity Manual*

LEVEL OF SERVICE CRITERIA FOR SIGNALIZED AND UNSIGNALIZED INTERSECTIONS		
Level of Service	**Signalized Intersection (Average delay per vehicle, in seconds) [1]**	**Unsignalized Intersections (Average delay per vehicle, in seconds) [2]**
A	≤ 10	0 – 10
B	> 10 – 20	> 10 – 15
C	> 20 – 35	> 15 – 25
D	> 35 – 55	> 25 – 35
E	> 55 – 80	> 35 – 50
F	> 80	> 50

[1] Source: Highway Capacity Manual (HCM 6th Edition), Exhibit 18-4.
[2] Source: Highway Capacity Manual (HCM 6th Edition), Exhibits 19-1 and 20-2.

Roadway Segment Analysis

The roadway segment analysis will address the Project's impact on daily operating conditions on roadway segments within the Project vicinity. Roadway segments are evaluated by comparing the daily traffic volume on a roadway segment to the daily capacity of that segment, to determine the volume-to-capacity (v/c) ratio. Daily capacity is based on the roadway classification, as shown in the following chart:

CITY OF RIALTO ROADWAY CAPACITY (1)				
Roadway Classification	**No. of Lanes**	**Two-Way Traffic Volume (ADT)(2)**		
		Service Level C	**Service Level D**	**Service Level E**
Local	2	2,500-2,799	2,800-3,099	3,100 +
Collector (60' or 64')	2	9,900-11,199	11,200-12,499	12,500 +
Industrial (45')	2	9,900-11,199	11,200-12,499	12,500 +
Arterial(3)	2	14,400-16,199	16,200-17,999	18,000 +
Secondary Highway	4	16,900-19,399	19,400-21,999	22,000 +
Modified Arterial (100')	4	26,200-29,599	29,600-32,999	33,000 +
Arterial (120')	6	38,700-44,099	44,100-49,499	49,500 +

Notes:
(1) All capacity figures are based on optimum conditions and are intended as guidelines for planning purposes only
(2) Maximum two-way ADT values are based on the 1999 Modified Highway Capacity Manual Level of Service Tables.
(3) Two-lane roads designated as future arterials that conform to arterial design standards for vertical and horizontal alignments are analyzed as arterials.

Source: City of Rialto *Traffic Impact Analysis Report Guidelines and Requirements* (2013)

Per the City of Rialto 2010 General Plan Update, roadway segments may or may not be governed by signalized intersections at the ends of the segment. If the segments exceed 1,500 feet and the V/C ratio exceeds 1.0, the segment must be mitigated even if improved intersections at the ends do not exceed LOS D. Additional study may be required or presented to support allowing V/C to exceed 1.0, but are subject to the discretion of the Public Works Director/City Engineer and Transportation Commission, on a case by case basis, as to the acceptability of allowing such segments being un-mitigated.

II. AREA CONDITIONS

A. Identify Study Area and Intersections

The City requested that a traffic study be completed that includes documentation of existing conditions, analysis of cumulative traffic conditions, and identification of Project-related impacts at the following study intersections:

Existing Intersections:

1. Alder Avenue at SR-210 Westbound Ramps
2. Alder Avenue at SR-210 Eastbound Ramps
3. Alder Avenue at Renaissance Parkway
4. Alder Avenue at Baseline Road
5. Ayala Drive at SR-210 Westbound Ramps
6. Ayala Drive at SR-210 Eastbound Ramps
7. Ayala Drive at Renaissance Parkway
8. Ayala Drive at Fitzgerald Avenue
9. Ayala Drive at Baseline Road
10. Fitzgerald Avenue at Baseline Road
11. Cactus Avenue at Baseline Road

Future Project Driveway Intersections:

D1. Baseline Road at Driveway 1
D2. Baseline Road at Driveway 2
D3. Baseline Road at Driveway 3

In addition, the following roadway segments were analyzed:

- Ayala Drive: Renaissance Parkway to Fitzgerald Avenue
- Ayala Drive: Fitzgerald Avenue to Baseline Road
- Baseline Road: West of Ayala Drive
- Baseline Road: Ayala Drive to Fitzgerald Avenue
- Baseline Road: Idyllwild Avenue to Cactus Avenue
- Alder Avenue: Renaissance Parkway to Walnut Avenue
- Alder Avenue: Walnut Avenue to Miro Way
- Alder Avenue: Miro Way to Baseline Road

The study locations were established in conjunction with City staff through the Scoping Agreement process (Exhibit B of the City of Rialto *Traffic Impact Analysis Report Guidelines and Requirements*). A copy of the approved Scoping Agreement is provided in ***Appendix A***.

B. Description of Existing Roads, Traffic Controls, and Intersection Geometrics

Regional access to the site is provided primarily by the State Route 210 (SR-210) Freeway, approximately one mile to the north of the Project site. In addition, the I-215 Freeway is located approximately 5 miles to the east of the site; the I-15 Freeway is approximately 7 miles to the west of the site, and access to the I-10 Freeway is approximately 4 miles to the south.

Existing lane configurations, bicycle/pedestrian infrastructure, and intersection controls at the study intersections are shown on **Figure 3**. The following provides a description of the roadways surrounding the Project site.

Ayala Drive – Ayala Drive is currently a four-lane roadway within the Project vicinity and is located west of the Project site. Ayala Drive is designated as a Major Arterial in the Circulation Element of the General Plan. Ayala Drive is designated as a truck route in the Circulation Element of the General Plan, adopted December, 2010. The posted speed limit along Ayala Drive is 45 miles per hour. Ayala Drive has an existing raised median between Baseline Road and Renaissance Parkway.

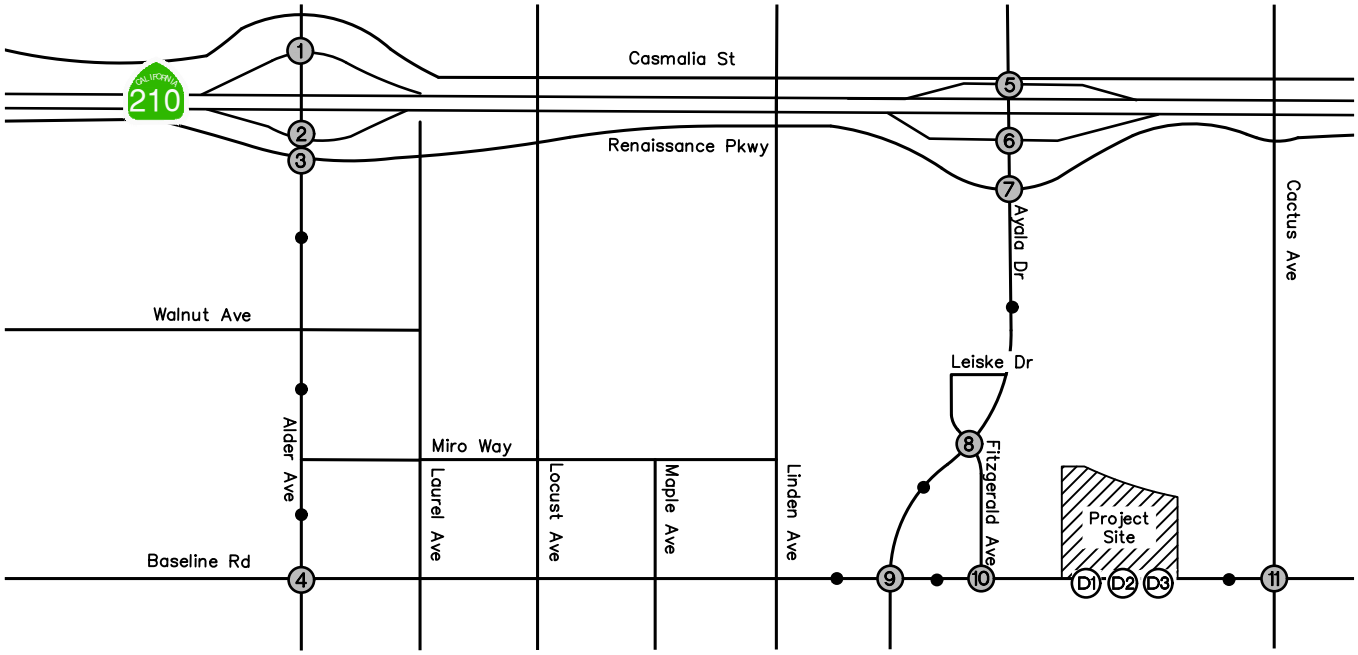
Alder Avenue – Alder Avenue is currently a four-lane roadway within the Project vicinity, located approximately 1.5 miles west of the Project site. Alder Avenue is designated as a Major Arterial, with four travel lanes, a bike lane in each direction, and a raised center median. Alder Avenue is a designated truck route from Baseline Road to Casa Grande in the City of Rialto Circulation Element. Alder Avenue currently does not go through to Casa Grande, with a gap between Bohnert Avenue and Summit Avenue. The posted speed limit along Alder Avenue is 50 miles per hour.

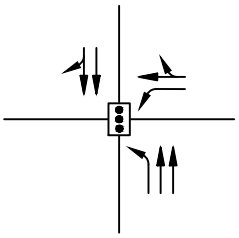
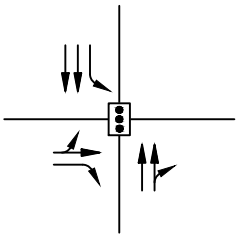
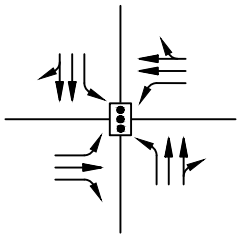
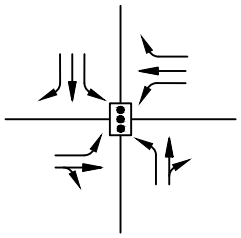
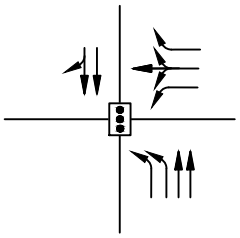
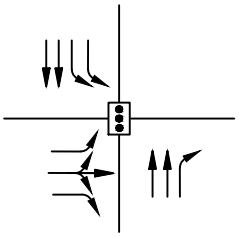
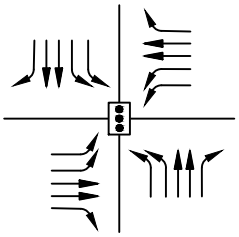
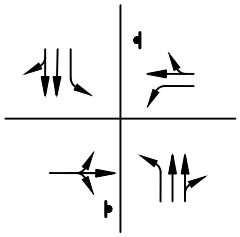
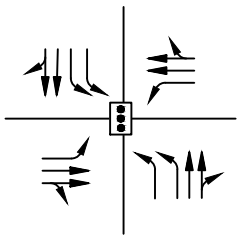
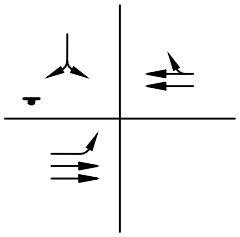
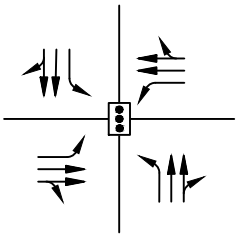
Baseline Road – Baseline Road is currently a four-lane roadway that borders the southern edge of the Project site. Baseline Road is designated as a Major Arterial in the Circulation Element of the General Plan, with four travel lanes and a two-way left-turn median lane between Cactus Avenue and Linden Avenue that is planned to be converted to a raised median. Baseline Road is designated as a truck route in the Circulation Element. The posted speed limit along Baseline Road is 45 miles per hour.

Renaissance Parkway – Renaissance Parkway is a four-lane roadway with bike lanes between Citrus Avenue and Arrowhead Avenue, where it enters a residential neighborhood and transitions to a two-lane facility. Renaissance Parkway is designated by the City of Rialto Renaissance Specific Plan as a Major Arterial west of Ayala Drive and a Secondary Arterial between Ayala Drive and the RSP boundaries. In the General Plan, it is designated as a Major Arterial between the RSP boundaries and Cactus Avenue, and a Collector Street east of Cactus Avenue. Within the Project vicinity, four-lane segments of Renaissance Parkway contain a raised center median. Renaissance Parkway is designated as a truck route in the Circulation Element. The posted speed limit along Renaissance Parkway is 45 miles per hour.

Fitzgerald Avenue – Fitzgerald Avenue is a two-lane local roadway located approximately 400 feet west of the Project site that terminates at Baseline Road and forms a two-way stop-controlled intersection with Ayala Drive. There is on-street parking available on both sides of Fitzgerald Avenue.

Cactus Avenue – Cactus Avenue is a four-lane roadway located approximately 2,000 feet east of the Project site. Cactus Avenue is designated as a Major Arterial in the Circulation Element, with four lanes and a two-way left-turn median lane. The posted speed limit along Cactus Avenue is 40 miles per hour north of Baseline Road and 45 miles per hour south of Baseline Road.



1. Alder Ave at SR-210 WB Ramps	2. Alder Ave at SR-210 EB Ramps	3. Alder Ave at Renaissance Pkwy	4. Alder Ave at Baseline Rd	5. Ayala Dr at SR-210 WB Ramps
				
6. Ayala Dr at SR-210 EB Ramps	**7. Ayala Dr at Renaissance Pkwy**	**8. Ayala Dr at Fitzgerald Ave**	**9. Ayala Dr at Baseline Rd**	**10. Fitzgerald Ave at Baseline Rd**
				
11. Cactus Ave at Baseline Rd	**D1. Baseline Road at Driveway 1**	**D2. Baseline Road at Driveway 2**	**D3. Baseline Road at Driveway 3**	
	FUTURE INTERSECTION	FUTURE INTERSECTION	FUTURE INTERSECTION	

NOT TO SCALE

LEGEND:

- X = Study Intersection
- = Turn or Through Lane
- = Signal
- = Stop Sign
- = Study Roadway Segment

FIGURE 3
EXISTING LANE CONFIGURATION AND TRAFFIC CONTROL

C. Existing Traffic Volumes

Existing Peak Hour Turning Movement Volumes

Existing morning and evening peak hour turning movement volumes were collected in May, 2019. Copies of the traffic count data worksheets are provided in ***Appendix B***.

Intersection count data included vehicle classifications for passenger vehicles and trucks. Vehicle classifications are necessary to compute Passenger Car Equivalent (PCE) volumes, which are used in the traffic analysis to address the impacts of truck traffic on intersection and roadway operation.

The PCE volumes were developed by applying a PCE factor of 1.5 for 2-axle trucks, 2.0 for 3-axle trucks, and 3.0 for trucks with 4 or more axles. These factors are consistent with the City of Rialto's *Traffic Impact Analysis Guidelines and Requirements*. PCE volume worksheets are provided in ***Appendix C***. Existing morning and evening peak hour volumes with the PCE factors applied are presented on **Figure 4**.

Existing Roadway Daily Volumes

Existing daily roadway volumes were collected in May, 2019 with vehicle classification. The PCE factors were applied to the truck volumes, and the resulting existing daily traffic volumes with PCE are shown on Figure 4 (previously referenced). Daily traffic count data collection worksheets are provided in ***Appendix B***.

D. Existing Delay and Level of Service

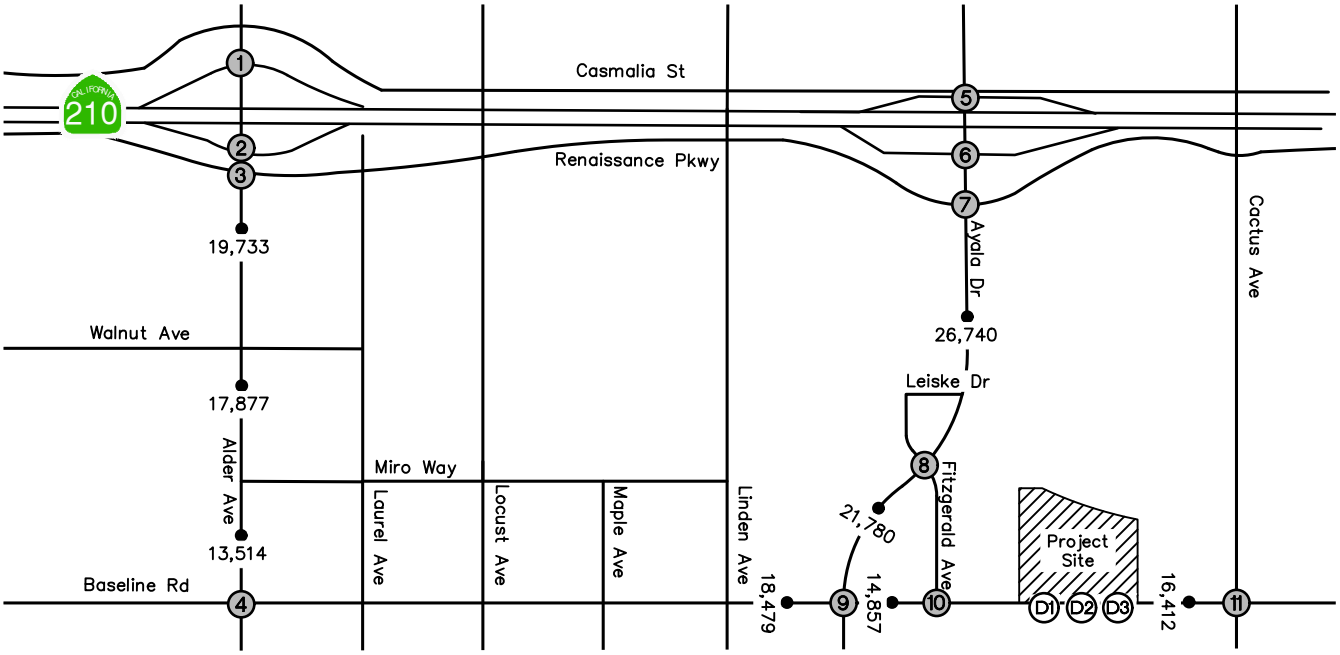
Peak Hour Operating Conditions

Existing Intersection Level of Service analysis was conducted for the morning and evening peak hours using the analysis procedures and assumptions described previously in this report. The results of the intersection analysis for Existing Conditions are shown on **Table 1**. Review of this table indicates that the following intersection currently operates at an unacceptable Level of Service under Existing conditions:

- #8 – Ayala Drive at Fitzgerald Avenue: AM – LOS E; PM – LOS F

The Level of Service for an unsignalized intersection is reported based on the single approach movement with the highest delay, which in this case, would be the southbound approach for intersection #8. While the side street approach operates at a deficient Level of Service based on the highest delay approach, the overall intersection delay would be acceptable. Any queuing that occurs on the side street is contained on the minor intersection approach and does not impact the progression of traffic on the main arterial.

Copies of Existing Conditions intersection analysis worksheets are provided in ***Appendix D***.



1. Alder Ave at SR-210 WB Ramps	2. Alder Ave at SR-210 EB Ramps	3. Alder Ave at Renaissance Pkwy	4. Alder Ave at Baseline Rd	5. Ayala Dr at SR-210 WB Ramps
430/370 ← 227/325 → 254/133 ← 2/5 → 245/248 268/433 → 397/433 →	293/353 ← 188/206 317/310 → 2/8 → 382/371 ← 352/552 ← 215/315 →	17/5 ← 522/515 ← 157/214 → 156/220 ← 3/7 → 43/52 8/26 → 5/5 → 8/7 ← 9/0 → 398/626 → 36/68 ←	93/123 ← 212/285 ← 34/75 → 80/46 ← 237/339 ← 19/37 83/103 → 259/477 → 29/48 ← 38/38 → 184/327 → 12/39 ←	287/204 ← 502/502 225/280 ← 3/6 ← 451/649 534/546 → 341/415 →
6. Ayala Dr at SR-210 EB Ramps	**7. Ayala Dr at Renaissance Pkwy**	**8. Ayala Dr at Fitzgerald Ave**	**9. Ayala Dr at Baseline Rd**	**10. Fitzgerald Ave at Baseline Rd**
683/824 ← 279/250 124/226 → 2/1 → 543/574 ← 794/719 → 445/660 →	311/565 ← 767/591 ← 147/245 → 300/226 ← 79/151 ← 11/37 197/471 → 66/181 → 60/124 ← 54/115 → 735/678 → 18/41 ←	99/2 ← 598/674 ← 111/140 → 105/134 ← 2/1 ← 3/6 0/2 → 3/0 → 0/5 ← 4/4 → 625/738 → 5/6 ←	43/77 ← 509/530 ← 47/76 → 35/55 ← 361/351 ← 88/86 103/139 → 292/392 → 125/151 ← 153/129 → 533/593 → 57/106 ←	15/49 ← 72/120 → 89/114 ← 440/459 37/30 → 363/561 →
11. Cactus Ave at Baseline Rd	**D1. Baseline Road at Driveway 1**	**D2. Baseline Road at Driveway 2**	**D3. Baseline Road at Driveway 3**	
81/53 ← 426/247 ← 94/89 → 103/76 ← 334/399 ← 136/102 65/68 → 254/505 → 82/81 ← 63/92 → 305/378 → 127/90 →	FUTURE INTERSECTION	FUTURE INTERSECTION	FUTURE INTERSECTION	

NOT TO SCALE

Note: Existing volumes reflect PCE adjustments.
See PCE Worksheets in Appendix C.

LEGEND:
- (X) = Study Intersection
- XXXX = Average Daily Traffic Volume
- XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 4
EXISTING DAILY AND PEAK HOUR TRAFFIC VOLUMES

TABLE 1
SUMMARY OF INTERSECTION OPERATION
EXISTING CONDITIONS

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
1	Alder Avenue at SR-210 WB Ramps	S	24.4	C	24.9	C
2	Alder Avenue at SR-210 EB Ramps	S	25.7	C	24.9	C
3	Alder Avenue at Renaissance Parkway	S	25.5	C	30.0	C
4	Alder Avenue at Baseline Road	S	29.0	C	31.9	C
5	Ayala Drive at SR-210 WB Ramps	S	26.5	C	27.6	C
6	Ayala Drive at SR-210 EB Ramps	S	20.1	C	21.7	C
7	Ayala Drive at Renaissance Parkway	S	19.4	B	23.4	C
8	Ayala Drive at Fitzgerald Avenue	U	46.3	**E**	64.7	**F**
9	Ayala Drive at Baseline Road	S	32.5	C	33.3	C
10	Fitzgerald Avenue at Baseline Road	U	15.5	C	19.0	C
11	Cactus Avenue at Baseline Road	S	32.0	C	28.5	C
D1	Baseline Road at Driveway 1	FUTURE INTERSECTION				
D2	Baseline Road at Driveway 2	FUTURE INTERSECTION				
D3	Basline Road at Driveway 3	FUTURE INTERSECTION				

Notes:
- **Bold** and shaded values indicate intersections operating at LOS E or F or significant impact to intersection per City standards.
- At a signalized intersection, delay refers to the average control delay for the entire intersection, measured in seconds per vehicle.
- At a two-way stop-controlled intersection, delay refers to the average vehicle delay on the worst (highest delay) movement.
- Delay values are based on the methodology outlined in the Highway Capacity Manual, (6th Edition).

S = Signalized
U = Unsignalized

Daily Roadway Operating Conditions

Roadway Level of Service analysis was conducted based on the roadway capacities presented previously in this report. The results of the roadway analysis for Existing Conditions are shown on **Table 2**. Review of this table indicates that the study roadway segments are currently operating within their current Level of Service D capacity.

E. General Plan Circulation Element

A copy of the General Plan Street Classifications is provided on **Figure 5. Figure 6** shows Renaissance Specific Plan Street Classification. Designated truck routes in the Renaissance Specific Plan are shown on **Figure 7**. Project truck traffic is assumed to use the designated truck route system to access the freeway. Note that per City direction, this report assumes that Project-related truck traffic will not use Ayala Drive to access the SR-210 freeway, as Ayala Drive is currently being considered for removal from the City truck route network.

F. Transit Service

Transit service to the Project area is provided via the OmniTrans transit lines, which serve various San Bernardino cities in the area. Bus stops in the Project vicinity are located adjacent to the Project site along Baseline Road. The bus stop near Fitzgerald Avenue is approximately 950' from the center of the Project and the bus stop near Glenwood Avenue is approximately 500' from the center of the Project. A description of the bus route serving the Project area is provided below.

OmniTrans Route 10 operates between the City of Fontana and the City of San Bernardino, traveling through Rialto along Baseline Road in the Project vicinity. Route 10 operates on weekdays from 5:10 AM to 8:15 PM with approximately 30-minute to 1-hour headways (the time between bus arrivals), on Saturdays from 6:20 AM to 7:00 PM with approximately 1-hour headways, and on Sundays from 7:20 AM to 6:00 PM with approximately 1-hour headways. There are bus stops for those traveling westbound adjacent to the Property and with the new signalized intersection, there will be a pedestrian crosswalk to the bus stops on the south side of Baseline Road, for the OmniTrans route going eastbound.

TABLE 2
SUMMARY OF ROADWAY ANALYSIS
EXISTING CONDITIONS

Roadway	Segment	Current Configuration	LOS D Capacity[1]	Existing ADT w/ PCE	LOS D or Better?
Ayala Drive	Renaissance Parkway to Fitzgerald Avenue	4 Lane Major Arterial	33,000	26,740	Yes
	Fitzgerald Avenue to Baseline Road	4 Lane Major Arterial	33,000	21,780	Yes
Baseline Road	West of Ayala Drive	4 Lane Major Arterial	33,000	18,479	Yes
	Ayala Drive to Fitzgerald Avenue	4 Lane Major Arterial	33,000	14,857	Yes
	Idyllwild Avenue to Cactus Avenue	4 Lane Major Arterial	33,000	16,412	Yes
Alder Avenue	Renaissance Parkway to Walnut Avenue	4 Lane Major Arterial	33,000	19,733	Yes
	Walnut Avenue to Miro Way	4 Lane Major Arterial	33,000	17,877	Yes
	Miro Way to Baseline Road	4 Lane Major Arterial	33,000	13,514	Yes

[1]Per Specific Plan

Notes: LOS = Level of Service
ADT = Average Daily Traffic
PCE = Passenger Car Equivalent

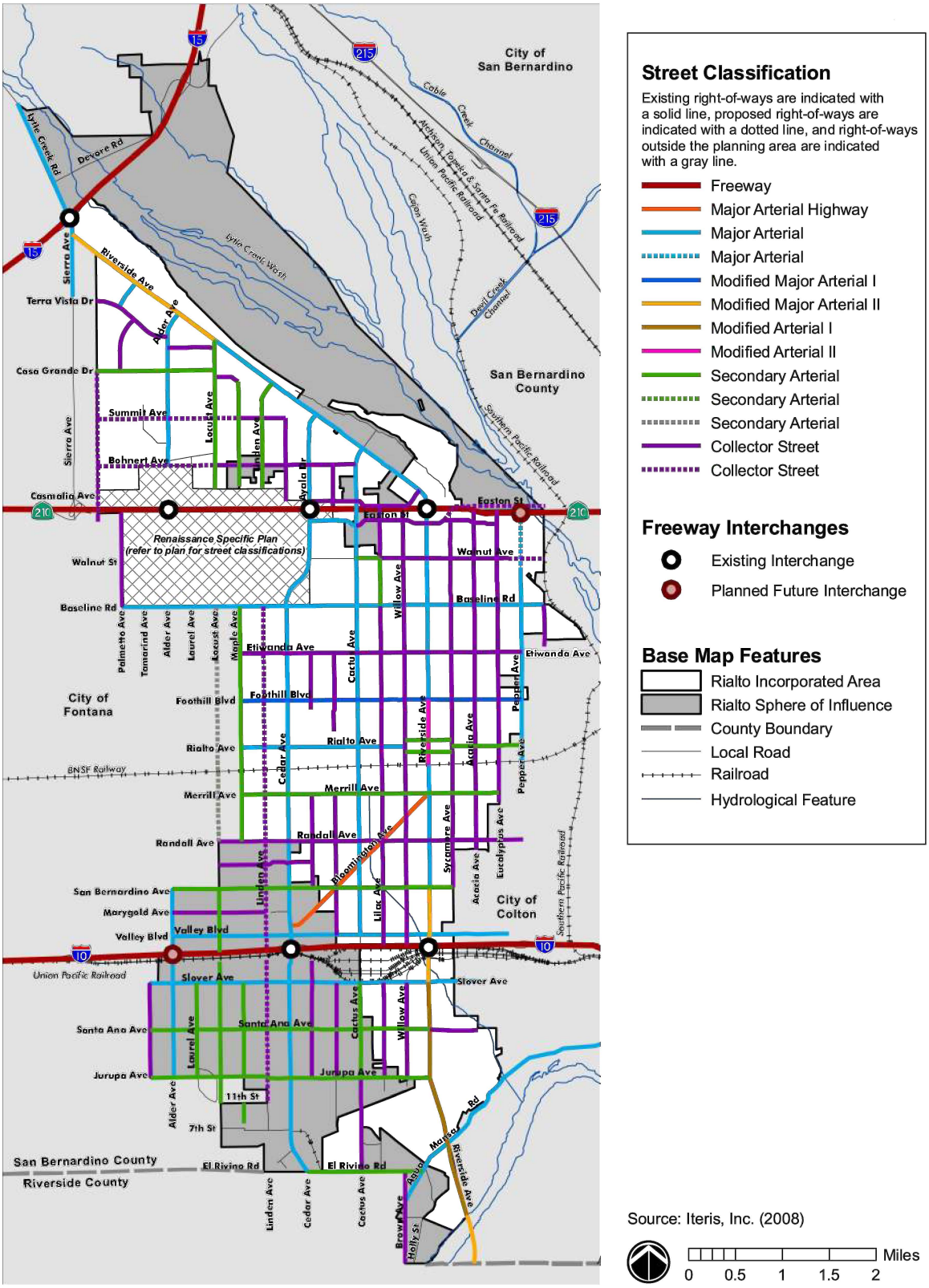


FIGURE 5
GENERAL PLAN STREET CLASSIFICATIONS

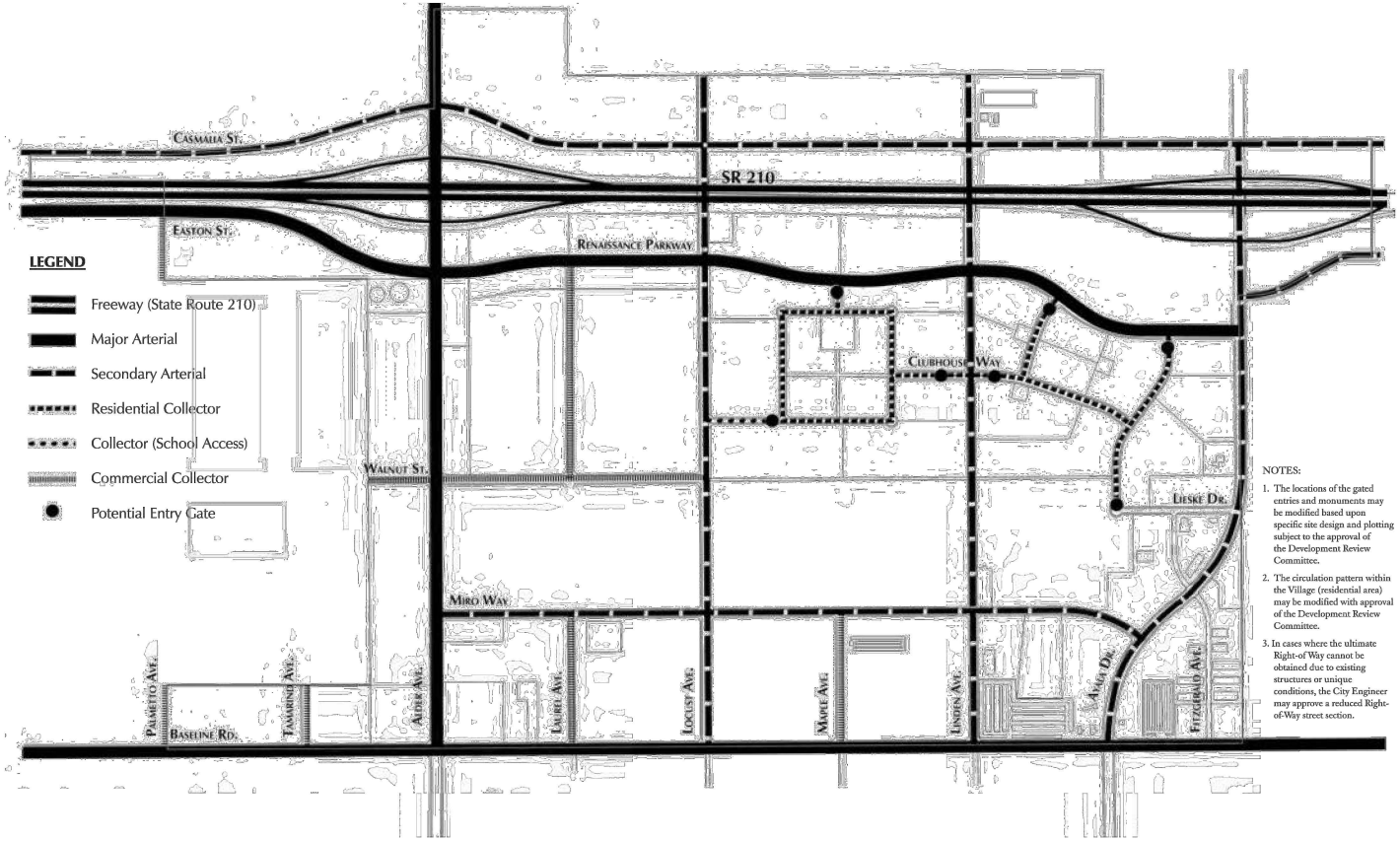


FIGURE 6
RENAISSANCE SPECIFIC PLAN VEHICLE CIRCULATION PLAN

Note:
This figure reflects the current moratorium that prohibits inter-city truck traffic along Ayala Drive between the 210 Freeway and Baseline Road.

FIGURE 7
RENAISSANCE SPECIFIC PLAN TRUCK ROUTES

III. PROJECTED FUTURE TRAFFIC

A. Project Traffic

1. Project Trip Generation

Trip generation estimates for the Olive Avenue Development Project are based on daily and peak hourly trip generation rates obtained from the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition). ITE trip generation estimates for the Project are based on the trip generation rates for ITE Land Use 150: Warehousing.

Trip generation rates and resulting trip generation estimates for the Project are summarized on **Table 3**. The Project is estimated to generate 1,183 vehicles trips on a daily basis, with 116 trips during the morning peak hour travel times, and 129 trips during the evening peak hour travel times.

Passenger vehicle and truck mix rates for Warehouse projects are provided in the City of Rialto *Traffic Impact Analysis Report Guidelines and Requirements*. These rates are based on the South Coast Air Quality Management District's (SCAQMD) recommendations for traffic impact studies. The guidelines specify using a minimum truck rate of 40% of total Project traffic. These vehicle classification splits were applied to the daily and peak hour trip generation to develop an estimate of truck volumes by number of axles (2-axle, 3-axle, and 4+-axle trucks) that would be associated with the proposed Project.

Passenger car equivalent (PCE) factors, per City recommendations, were then applied to the truck types, based on number of axles (1.5 PCE for 2-axle trucks, 2.0 PCE for 3-axle trucks, and 3.0 PCE for 4+-axle trucks) to determine the total PCE volumes to be generated by the Project. With the PCE factors, the Olive Avenue Development Project is estimated to generate 1,981 PCE trips on a daily basis, with 194 PCE trips in the morning peak hour travel times, and 215 PCE trips in the evening peak hour travel times.

2. Trip Distribution and Assignment

Trip distribution assumptions for the Project were developed by taking into account the proposed site uses, the location of the site access points, and the routes to and from the freeway system for the warehouse trucks. Separate distribution patterns were assumed for passenger car trips and truck trips. The truck docks are located in the center of the site between the two Project buildings, and all trucks will access the site via intersection D2: Baseline Road at Driveway 2. Trip distribution patterns for passenger vehicles are shown on **Figures 8 and 9** and trip distribution patterns for trucks are shown on **Figures 10 and 11**. Trip distribution percentages at each study intersection were applied to the Project trip generation to determine the Project trips through each intersection. The resulting Project-related peak hour trips at the study intersections are shown on **Figure 12**

TABLE 3
SUMMARY OF PROJECT TRIP GENERATION
OLIVE AVENUE DEVELOPMENT PROJECT

TRIP GENERATION RATES [1]

ITE Land Use	ITE Code	Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Warehousing	150	KSF	1.740	0.131	0.039	0.170	0.051	0.139	0.190

PROJECT TRIP GENERATION

Project Land Use		Quantity	Unit	Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
Warehousing		679.607	KSF	1,183	89	27	116	35	94	129
Passenger Vehicles	60.00%			710	53	16	69	21	56	77
Trucks	40.00%			473	36	11	47	14	38	52

PROJECT TRIPS - PASSENGER CAR EQUIVALENTS (PCE)

Vehicle Type	Vehicle Mix [2]	Daily Vehicles	PCE Factor	Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
Passenger Vehicles	60.0%	710	1.0	710	53	16	69	21	56	77
2-Axle Trucks	0.8%	9	1.5	14	1	0	1	0	1	1
3-Axle Trucks	11.2%	132	2.0	264	20	6	26	8	21	29
4+ Axle Trucks	28.0%	331	3.0	993	75	23	98	29	79	108
Total Truck PCE Trips				1,271	96	29	125	37	101	138
Total Project PCE Trips				**1,981**	**149**	**45**	**194**	**58**	**157**	**215**

[1] Source: Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition

[2] Source: City of Rialto Traffic Impact Analysis Report Guidelines and Requirements, December, 2013

PCE = Passenger Car Equivalent

KSF = Thousand Square Feet

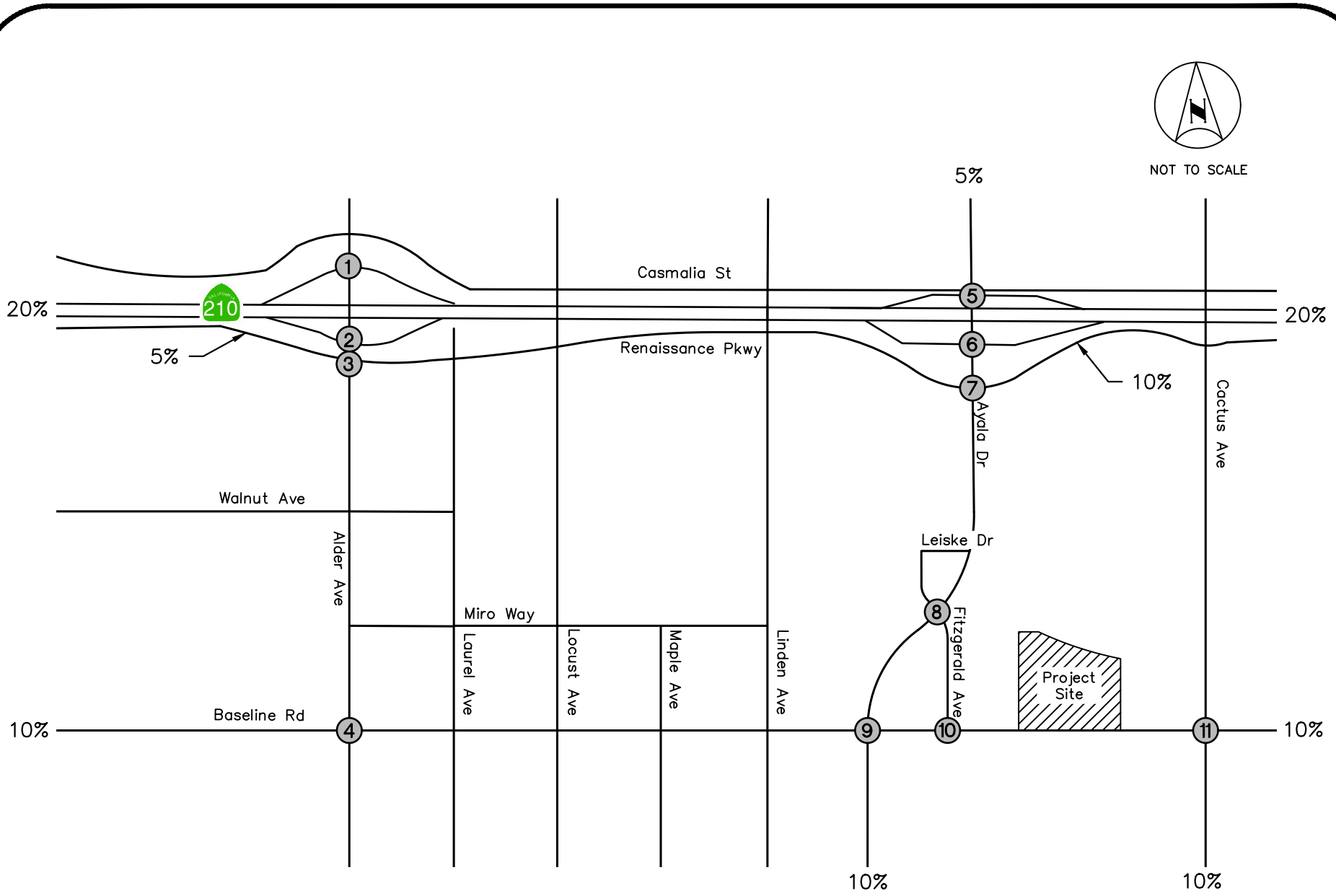
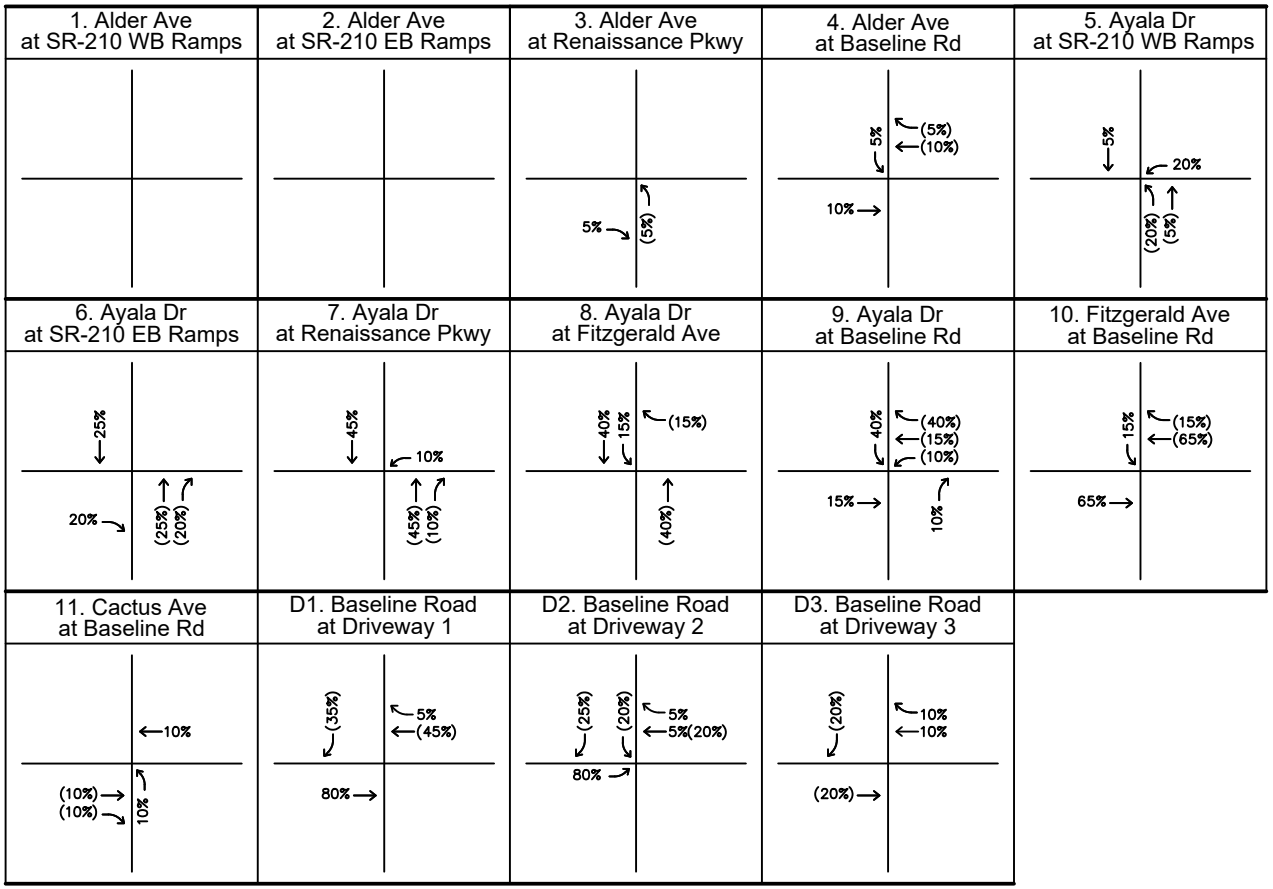


FIGURE 8
PROJECT TRIP DISTRIBUTION - PASSENGER CARS



LEGEND:

X%/(Y%) = IN / OUT PERCENT DISTRIBUTION

FIGURE 9
PROJECT TRIP DISTRIBUTION - PASSENGER CARS

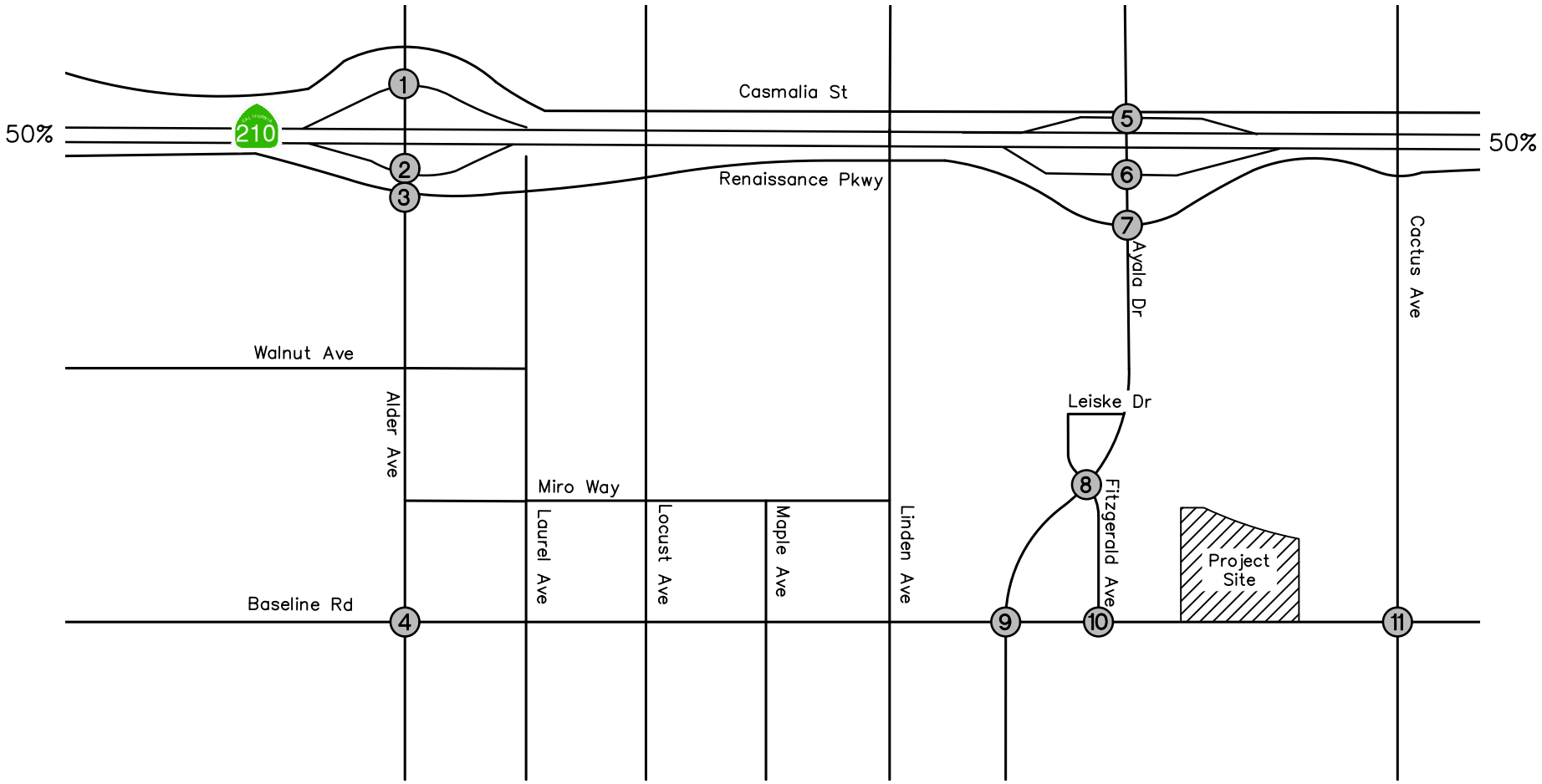
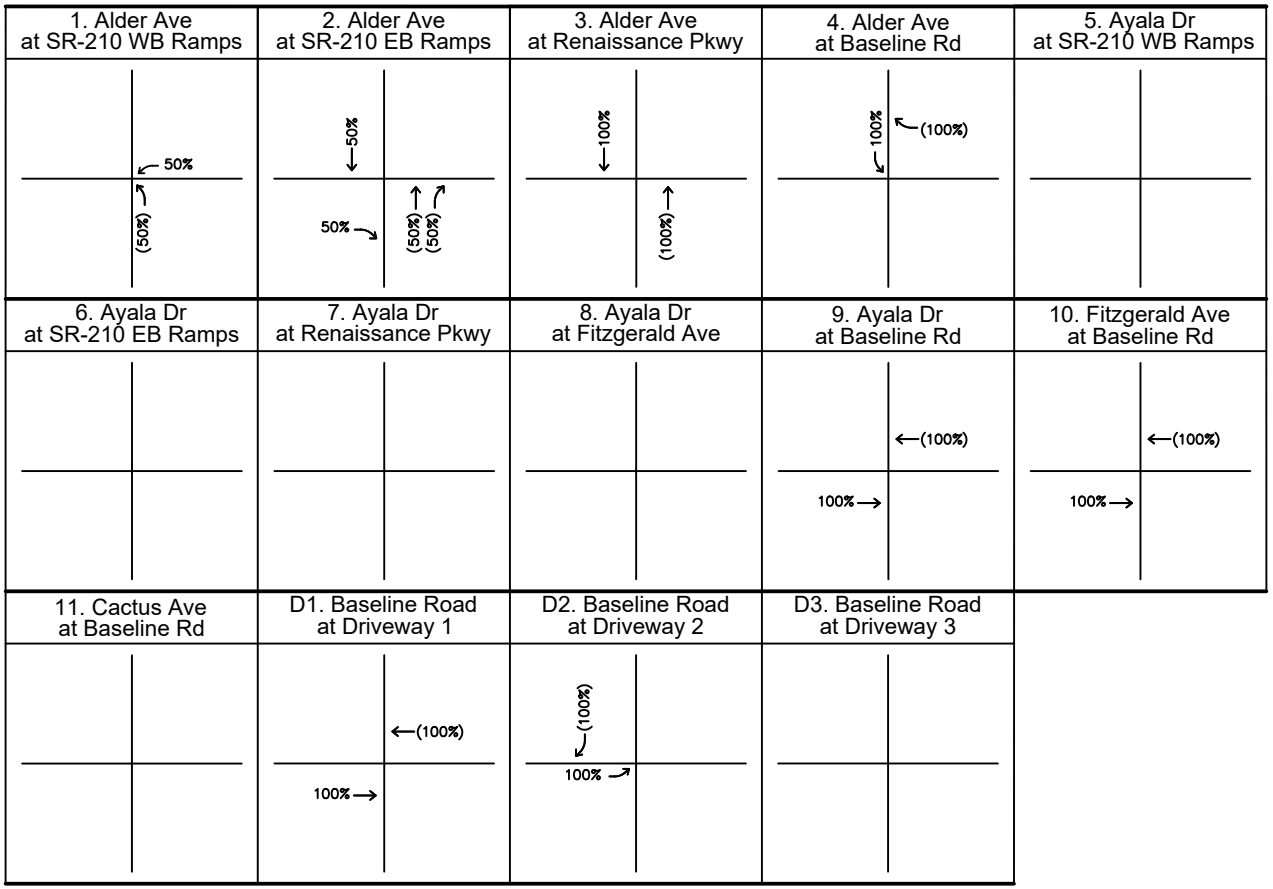


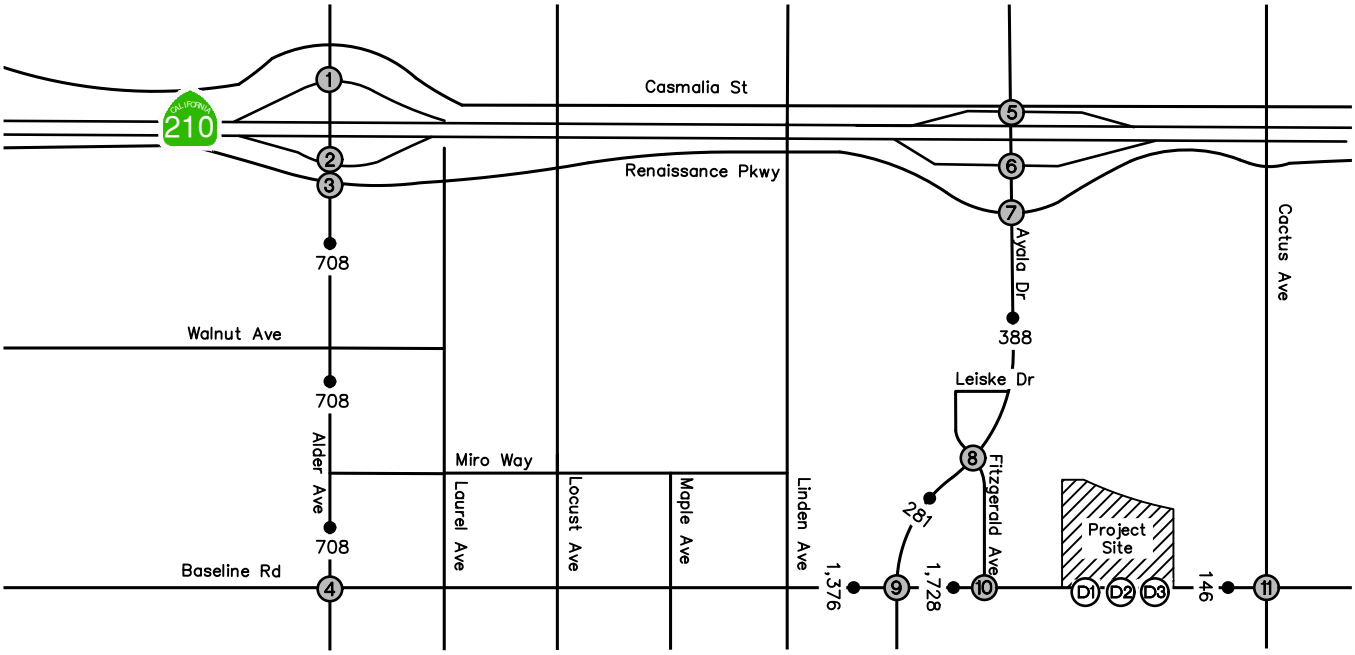
FIGURE 10
PROJECT TRIP DISTRIBUTION - TRUCKS

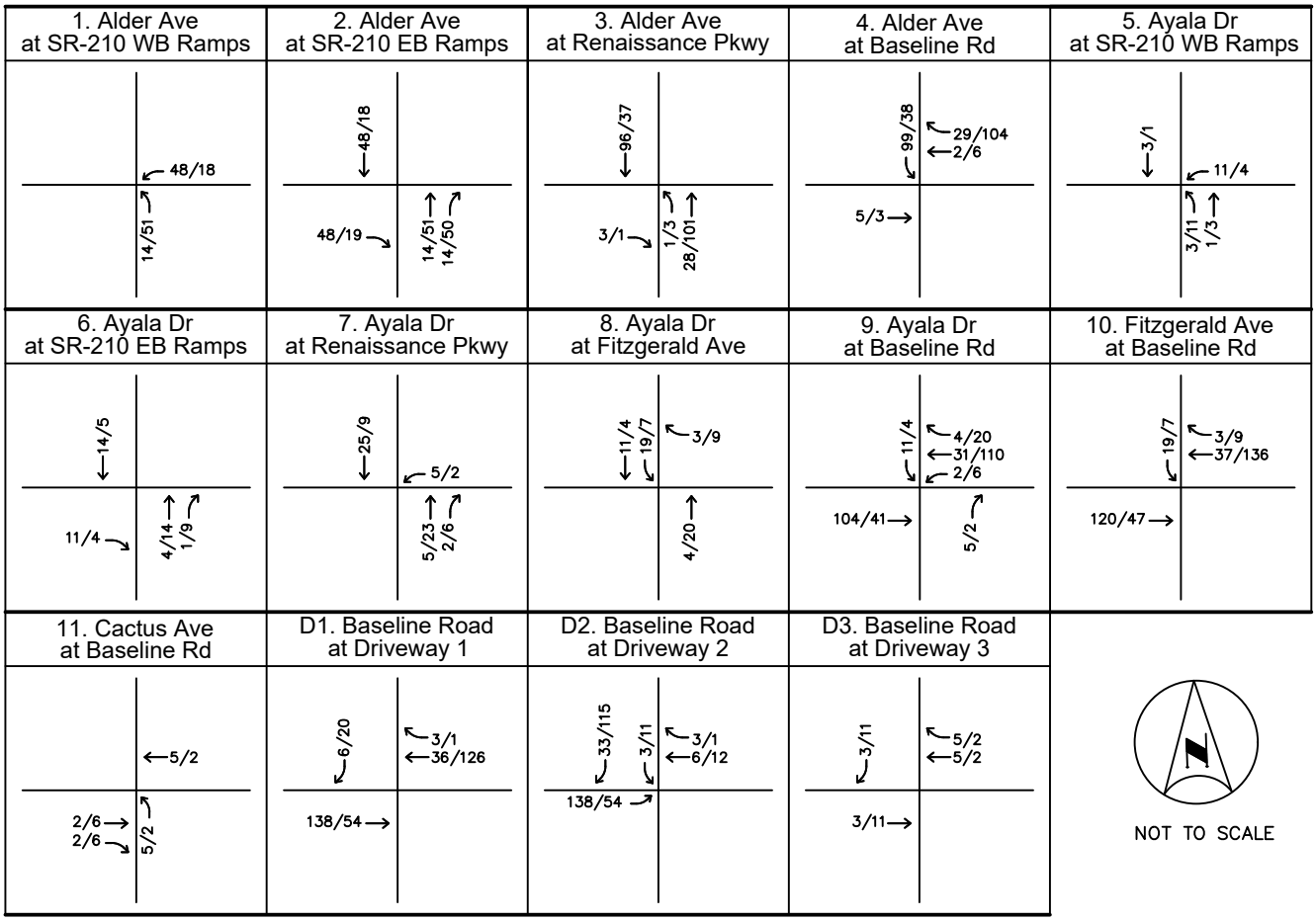


LEGEND:

X%/(Y%) = IN / OUT PERCENT DISTRIBUTION

FIGURE 11
PROJECT TRIP DISTRIBUTION - TRUCKS





LEGEND:

X = Study Intersection

XXXX = Average Daily Traffic Volume

XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 12
PROJECT-RELATED TRAFFIC VOLUMES

B. Existing Plus Growth Conditions (Opening Year 2022)

The Project Opening Year is anticipated to be late 2022. Local roadway and intersection improvements that are currently underway or have been conditioned on other projects are expected to be in place by the Project Opening in 2022.

1. Ambient Growth Rate

An ambient growth rate of 2.0% was applied to existing peak hour traffic volumes to develop Existing Plus Growth forecasts. This ambient growth rates was found to be adequate for estimating volumes growth between 2019 and 2022 taking into account the impact of the COVID pandemic to traffic volumes and patterns. The resulting daily and peak hour Existing Plus Growth without the Project (Opening Year 2022) traffic volumes are shown on **Figure 13.**

Project traffic was then added to develop Existing Plus Growth Plus Project (Opening Year 2022) traffic forecasts. Existing Plus Growth Plus Project daily and peak hour traffic volumes are shown on **Figure 14.** As part of the Project, a raised center median is planned to be constructed on Baseline Road within the Project vicinity. As a result, existing vehicles turning left into and out of Glenwood Avenue and Idyllwild Avenue, which serve existing residential areas, would re-route to accomplish these movements. Note that with construction of the Project and center median along Baseline Road, existing vehicles making a northbound left-turn from Glenwood Avenue onto Baseline Road would now make a northbound right-turn onto Baseline Road and an eastbound U-turn at Project Driveway 2, as shown in Figure 14.

2. Opening Year 2022 Existing Plus Growth

Peak Hour Operating Conditions

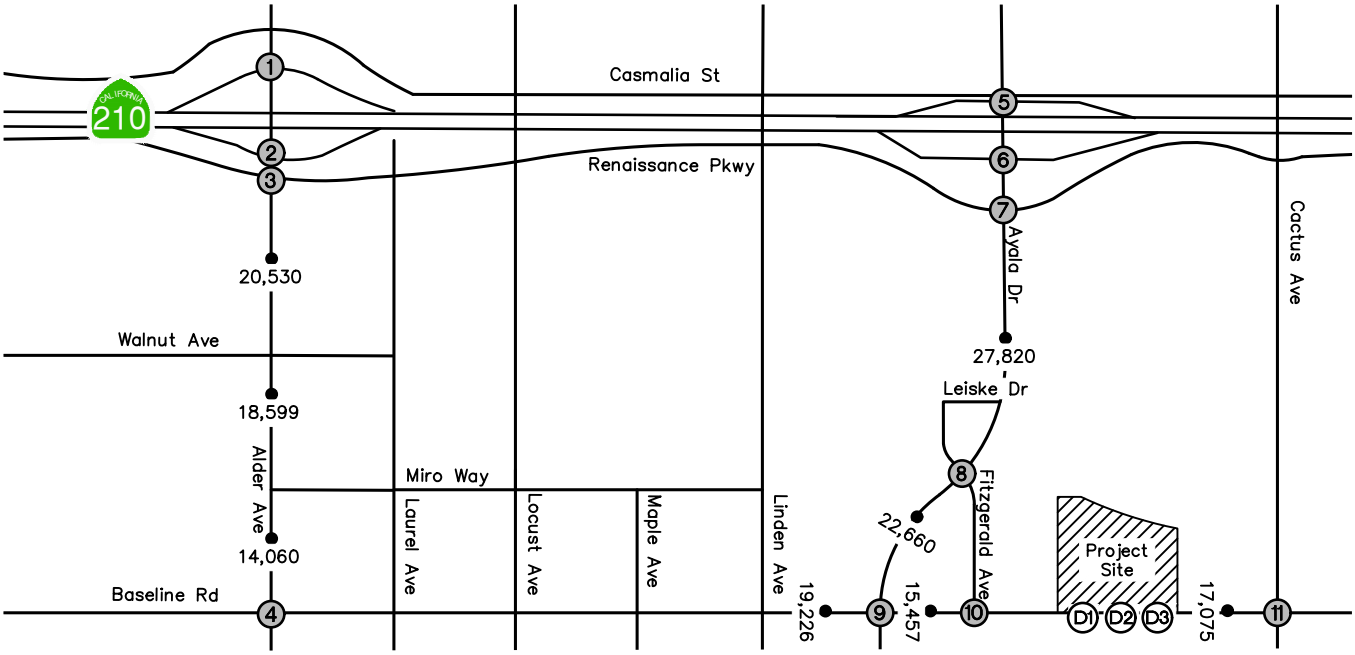
Intersection Level of Service analysis was conducted for Existing Plus Growth without the Project (Opening Year 2022). The results are shown on **Table 4**. Intersection analysis worksheets are provided in ***Appendix D***.

The intersection(s) outlined below currently operate at an unacceptable Level of Service without the addition of ambient growth. Review of this table indicates that with the addition of ambient growth, the following intersection(s) would operate at an unacceptable Level of Service under Opening Year 2022 conditions:

- #8 – Ayala Drive at Fitzgerald Avenue: AM – LOS E; PM – LOS F

Daily Roadway Operating Conditions

Roadway Level of Service analysis was conducted for the Existing Plus Growth conditions and the results are shown on **Table 5**. Review of this table indicates that the study roadway segments would continue to operate within their LOS D capacity with the addition of ambient growth traffic.



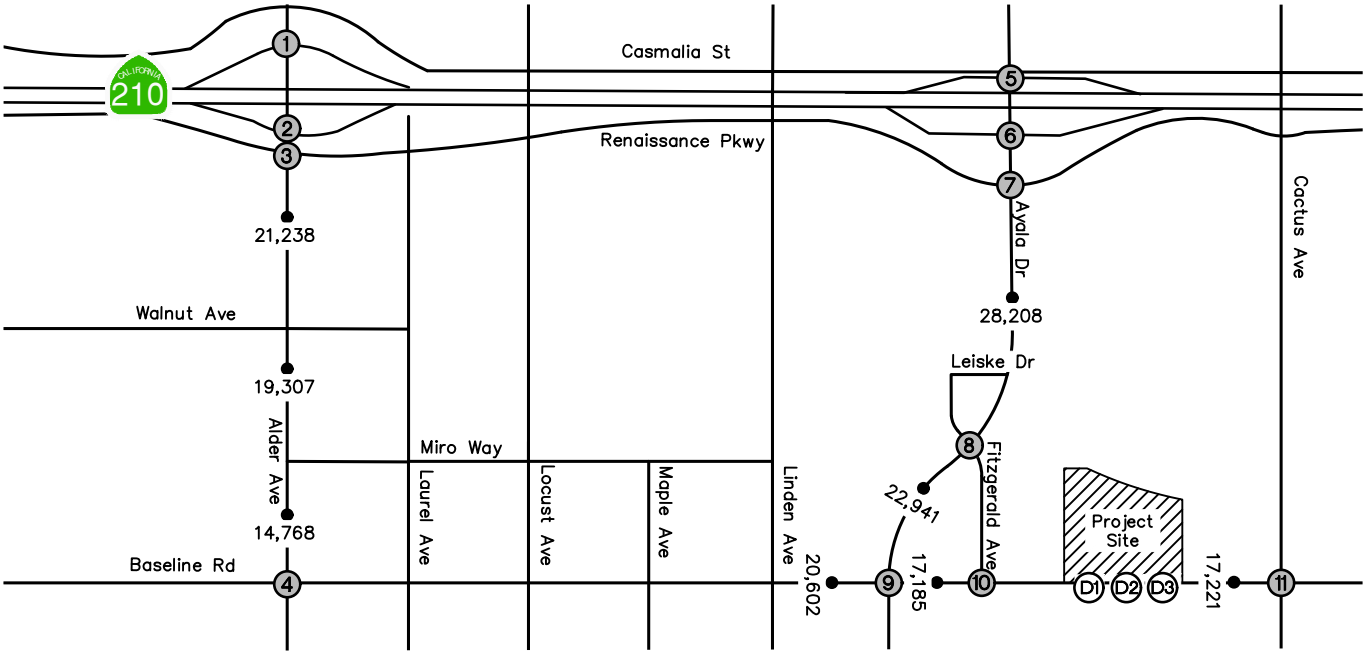
1. Alder Ave at SR-210 WB Ramps	2. Alder Ave at SR-210 EB Ramps	3. Alder Ave at Renaissance Pkwy	4. Alder Ave at Baseline Rd	5. Ayala Dr at SR-210 WB Ramps
439/377 ← 232/332 ↑ 259/136 ← 2/5 ↖ 250/253 273/442 → 405/442 ↑	299/360 ← 192/210 323/316 → 2/8 ↘ 390/378 359/563 → 219/321 ↑	17/5 ← 532/525 ← 160/218 ↑ 159/224 ← 3/7 ↖ 44/53 8/27 → 5/5 → 8/7 ↘ 9/0 → 406/639 ↑ 37/69 ↑	95/125 ← 216/291 ← 35/77 ↑ 82/47 ← 242/346 ← 19/38 85/105 → 264/487 → 30/49 ↘ 39/39 → 188/334 ↑ 12/40 ↑	293/208 ← 512/512 230/286 ← 3/6 ↖ 460/662 545/557 → 348/423 ↑
6. Ayala Dr at SR-210 EB Ramps	**7. Ayala Dr at Renaissance Pkwy**	**8. Ayala Dr at Fitzgerald Ave**	**9. Ayala Dr at Baseline Rd**	**10. Fitzgerald Ave at Baseline Rd**
697/840 ← 285/255 126/231 → 2/1 → 554/585 ↘ 810/733 → 454/673 ↑	317/576 ← 782/603 ← 150/250 ↑ 306/231 ← 81/154 ← 11/38 201/480 → 67/185 → 61/126 ↘ 55/117 → 750/692 ↑ 18/42 ↑	101/2 ← 610/687 ← 113/143 ↑ 107/137 ← 2/1 ↖ 3/6 0/2 → 3/0 → 0/5 ↘ 4/4 → 638/753 ↑ 5/6 ↑	44/79 ← 519/541 ← 48/78 ↑ 36/56 ← 368/358 ← 90/88 105/142 → 298/400 → 128/154 ↘ 156/132 → 544/605 ↑ 58/108 ↑	15/50 ← 73/122 ↑ 91/116 ← 449/468 38/31 → 370/572 →
11. Cactus Ave at Baseline Rd	**D1. Baseline Road at Driveway 1**	**D2. Baseline Road at Driveway 2**	**D3. Baseline Road at Driveway 3**	
81/53 ← 435/252 ← 96/91 ↑ 105/78 ← 334/399 ← 139/104 65/68 → 254/505 → 82/81 ↘ 63/92 → 311/386 ↑ 130/92 ↑	FUTURE INTERSECTION	FUTURE INTERSECTION	FUTURE INTERSECTION	

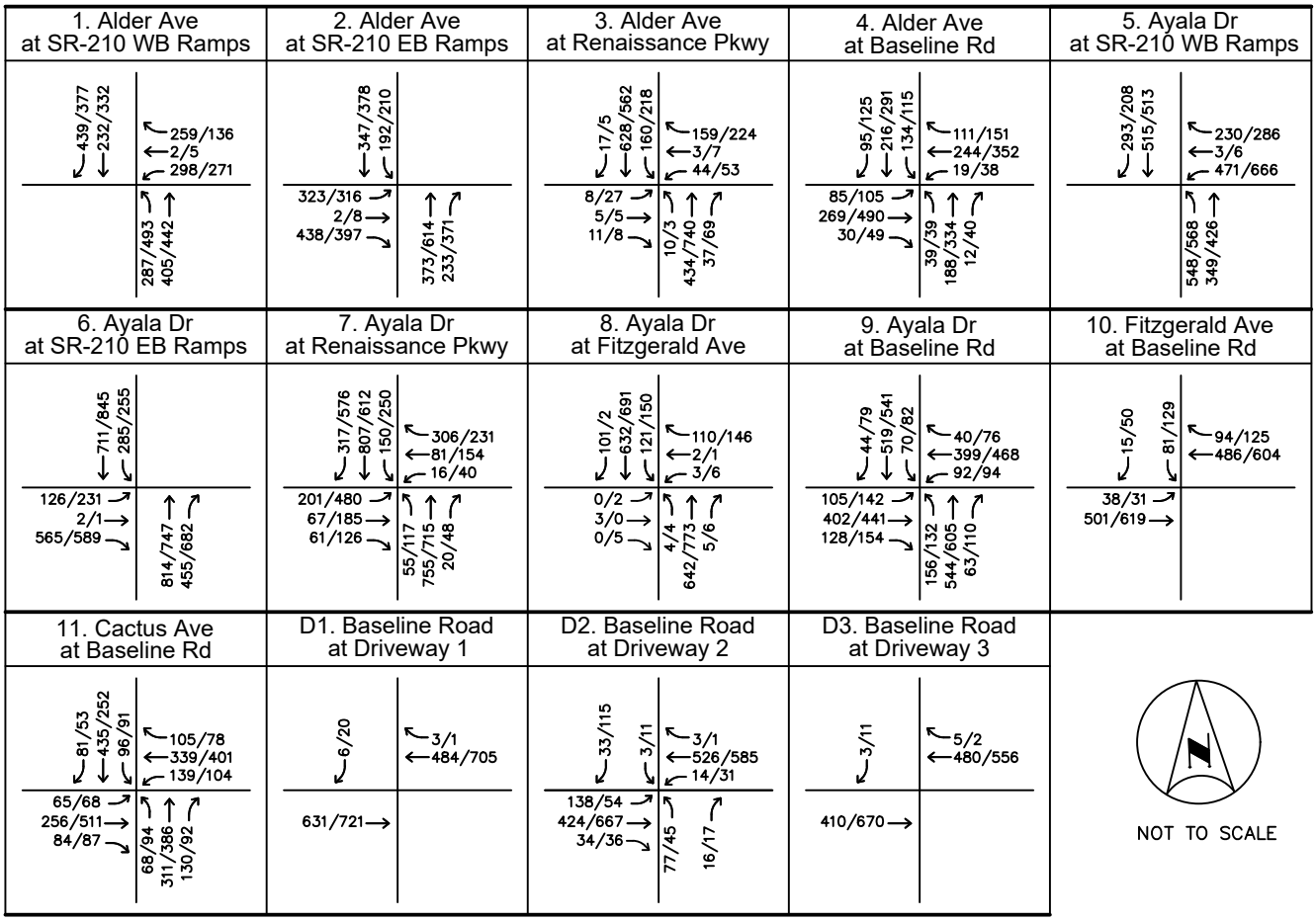
NOT TO SCALE

LEGEND:

- (X) = Study Intersection
- XXXX = Average Daily Traffic Volume
- XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 13
OPENING YEAR 2022 – EXISTING PLUS GROWTH TRAFFIC VOLUMES





Note: Due to the addition of a median, Glenwood Avenue will become right-in/right-out only and existing left turns will re-route to Idyllwild Avenue and Baseline Road intersection.

LEGEND:

(X) = Study Intersection

XXXX = Average Daily Traffic Volume

XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 14
OPENING YEAR 2022 - EXISTING PLUS GROWTH PLUS PROJECT TRAFFIC VOLUMES

TABLE 4
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2022 - EXISTING PLUS GROWTH

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
1	Alder Avenue at SR-210 WB Ramps	S	24.7	C	26.7	C
2	Alder Avenue at SR-210 EB Ramps	S	25.9	C	25.1	C
3	Alder Avenue at Renaissance Parkway	S	25.7	C	30.4	C
4	Alder Avenue at Baseline Road	S	29.0	C	32.2	C
5	Ayala Drive at SR-210 WB Ramps	S	26.7	C	27.4	C
6	Ayala Drive at SR-210 EB Ramps	S	20.3	C	22.0	C
7	Ayala Drive at Renaissance Parkway	S	19.5	B	23.6	C
8	Ayala Drive at Fitzgerald Avenue[1]	U	48.5	**E**	68.4	**F**
9	Ayala Drive at Baseline Road	S	32.8	C	33.8	C
10	Fitzgerald Avenue at Baseline Road	U	15.7	C	19.6	C
11	Cactus Avenue at Baseline Road	S	32.2	C	28.7	C
D1	Baseline Road at Driveway 1	FUTURE INTERSECTION				
D2	Baseline Road at Driveway 2	FUTURE INTERSECTION				
D3	Basline Road at Driveway 3	FUTURE INTERSECTION				

Notes:
1. Ayala Drive at Fitzgerald Avenue is a FY 20/21 Capital Imrpovement Project currently in the design phase. See Table 15 for the Project Fair Share and Project mitigation.
- **Bold** and shaded values indicate intersections operating at LOS E or F or significant impact to intersection per City standards.
- At a signalized intersection, delay refers to the average control delay for the entire intersection, measured in seconds per vehicle.
- At a two-way stop-controlled intersection, delay refers to the average vehicle delay on the worst (highest delay) movement.
- Delay values are based on the methodology outlined in the Highway Capacity Manual, (6th Edition).

TABLE 5
SUMMARY OF ROADWAY ANALYSIS
OPENING YEAR 2022 - EXISTING PLUS GROWTH

Roadway	Segment	LOS D Capacity[1]	Existing ADT w/ PCE	Existing Plus Growth ADT	LOS D or Better?
Ayala Drive	Renaissance Parkway to Fitzgerald Avenue	33,000	26,740	27,820	Yes
	Fitzgerald Avenue to Baseline Road	33,000	21,780	22,660	Yes
Baseline Road	West of Ayala Drive	33,000	18,479	19,226	Yes
	Ayala Drive to Fitzgerald Avenue	33,000	14,857	15,457	Yes
	Idyllwild Avenue to Cactus Avenue	33,000	16,412	17,075	Yes
Alder Avenue	Renaissance Parkway to Walnut Avenue	33,000	19,733	20,530	Yes
	Walnut Avenue to Miro Way	33,000	17,877	18,599	Yes
	Miro Way to Baseline Road	33,000	13,514	14,060	Yes

[1] Per Specific Plan

Notes: LOS = Level of Service
ADT = Average Daily Traffic
PCE = Passenger Car Equivalent

3. Opening Year 2022 Existing Plus Growth Plus Project

Peak Hour Operating Conditions

Intersection Level of Service analysis was conducted for the Existing Plus Growth Plus Project conditions. The results of the intersection analysis are shown on **Table 6**. Review of this table indicates that the following study intersection would continue to operate at an unacceptable Level of Service during both peak hours with the addition of Project traffic under Existing Plus Growth Plus Project conditions:

- #8 – Ayala Drive at Fitzgerald Avenue: AM – LOS F; PM – LOS F

The Level of Service for an unsignalized intersection is reported based on the single approach movement with the highest delay.

Based on the significance thresholds presented earlier in this report, the unsignalized intersection delay would not exceed an average delay of 120 seconds; therefore, the Project impact would not be considered significant.

Copies of intersection analysis worksheets are provided in ***Appendix D***.

Daily Roadway Operating Conditions

Roadway Level of Service analysis was conducted for the Existing Plus Growth Plus Project condition and the results are shown on **Table 7**.

Review of this table indicates that the study roadway segments would continue to operate within their Level of Service D capacity with the addition of Project traffic.

TABLE 6
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2022 - EXISTING PLUS GROWTH PLUS PROJECT

Int. #	Intersection	Traffic Control	AM Peak Hour						PM Peak Hour					
			Without Project		With Project		Project Impact	Impact Sig?	Without Project		With Project		Project Impact	Impact Sig?
			Delay	LOS	Delay	LOS			Delay	LOS	Delay	LOS		
1	Alder Avenue at SR-210 WB Ramps	S	24.7	C	25.8	C	1.1	No	26.7	C	27.3	C	0.6	No
2	Alder Avenue at SR-210 EB Ramps	S	25.9	C	26.4	C	0.5	No	25.1	C	26.5	C	1.4	No
3	Alder Avenue at Renaissance Parkway	S	25.7	C	25.2	C	-0.5	No	30.4	C	27.3	C	-3.1	No
4	Alder Avenue at Baseline Road	S	29.0	C	30.4	C	1.4	No	32.2	C	32.1	C	-0.1	No
5	Ayala Drive at SR-210 WB Ramps	S	26.7	C	26.7	C	0.0	No	27.4	C	27.4	C	0.0	No
6	Ayala Drive at SR-210 EB Ramps	S	20.3	C	20.4	C	0.1	No	22.0	C	22.2	C	0.2	No
7	Ayala Drive at Renaissance Parkway	S	19.5	B	19.4	B	-0.1	No	23.6	C	23.5	C	-0.1	No
8	Ayala Drive at Fitzgerald Avenue	U	48.5	**E**	51.9	**F**	3.4	**Yes**	68.4	**F**	73.8	**F**	5.4	**Yes**
9	Ayala Drive at Baseline Road	S	32.8	C	32.2	C	-0.6	No	33.8	C	33.1	C	-0.7	No
10	Fitzgerald Avenue at Baseline Road	U	15.7	C	17.4	C	1.7	No	19.6	C	24.7	C	5.1	No
11	Cactus Avenue at Baseline Road	S	32.2	C	32.2	C	0.0	No	28.7	C	28.6	C	-0.1	No
D1	Baseline Road at Driveway 1	U	N/A		9.8	A	N/A		N/A		10.7	B	N/A	
D2	Baseline Road at Driveway 2	S	N/A		8.0	A	N/A		N/A		7.4	A	N/A	
D3	Basline Road at Driveway 3	U	N/A		9.7	A	N/A		N/A		10.0	A	N/A	

Notes:
- **Bold** and shaded values indicate intersections operating at LOS E or F or significant impact to intersection per City standards.
- At a signalized intersection, delay refers to the average control delay for the entire intersection, measured in seconds per vehicle.
- At a two-way stop-controlled intersection, delay refers to the average vehicle delay on the worst (highest delay) movement.
- Delay values are based on the methodology outlined in the Highway Capacity Manual, (6^{th} Edition).

S = Signalized
U = Unsignalized

TABLE 7
SUMMARY OF ROADWAY ANALYSIS
OPENING YEAR 2022 - EXISTING PLUS GROWTH PLUS PROJECT

Roadway	Segment	LOS D Capacity[1]	Existing ADT w/ PCE	Existing Plus Growth ADT	Daily Project Traffic	Existing + Growth + Project ADT	LOS D or Better?
Ayala Drive	Renaissance Parkway to Fitzgerald Avenue	33,000	26,740	27,820	388	28,208	Yes
	Fitzgerald Avenue to Baseline Road	33,000	21,780	22,660	281	22,941	Yes
Baseline Road	West of Ayala Drive	33,000	18,479	19,226	1,376	20,602	Yes
	Ayala Drive to Fitzgerald Avenue	33,000	14,857	15,457	1,728	17,185	Yes
	Idyllwild Avenue to Cactus Avenue	33,000	16,412	17,075	146	17,221	Yes
Alder Avenue	Renaissance Parkway to Walnut Avenue	33,000	19,733	20,530	708	21,238	Yes
	Walnut Avenue to Miro Way	33,000	17,877	18,599	708	19,307	Yes
	Miro Way to Baseline Road	33,000	13,514	14,060	708	14,768	Yes

[1] Per Specific Plan

Notes: LOS = Level of Service
ADT = Average Daily Traffic
PCE = Passenger Car Equivalent

C. Cumulative Conditions (Existing Plus Growth Plus Cumulative Projects)

1. Cumulative Projects

In addition to ambient growth, traffic volumes for Cumulative projects (approved and pending projects) were added to the Existing Plus Growth traffic volumes. Cumulative projects consist of any project that has been approved and is not yet occupied, and projects that are in various stages of the application and approval process, but have not yet been approved.

A summary of Cumulative projects in the Project vicinity and the trip generation associated with each is provided on **Table 8**. The locations of the Cumulative projects are shown on **Figure 12.** Cumulative project traffic volumes are shown on **Figure 15**.

2. Background Growth Rate

As discussed earlier, an ambient growth rate of 2.0% per year to Opening Year 2022 was assumed for this analysis.

3. Cumulative Projects Trip Generation

Trip generation information for the Cumulative projects was derived either from approved traffic studies, where available; or developed by Kimley-Horn if approved traffic studies were not available. Project information and trip generation assumptions for Cumulative projects are provided in ***Appendix E***.

4. Cumulative Projects Trip Distribution and Assignment

Likewise, trip distribution and assignment for the Cumulative projects were either derived from approved traffic studies, where available; or were developed by Kimley-Horn if approved traffic studies were not available. Trip distribution assumptions for Cumulative projects are provided in ***Appendix E***.

TABLE 8
SUMMARY OF CUMULATIVE PROJECTS

Project #	Land Use	Quantity	Units	Trip Generation Estimates						
					AM Peak Hour			PM Peak Hour		
				Daily	In	Out	Total	In	Out	Total
1	Sater Bros									
	Hotel	100	ROOMS	817	31	22	53	31	29	60
	High-Turnover (Sit-Down) Restaurant	2.000	KSF	254	12	11	23	13	9	22
	Pass-by High-Turn (Sit-Down) Restaurant			-57	0	0	0	-2	-2	-4
	Fast-Food Restaurant w/o D.T.	1.000	KSF	716	26	18	44	13	13	26
	Pass-by Fast-Food Restaurant			-161	-6	-4	-10	-3	-3	-6
	Fast-Food Restaurant w/ D.T.	5.440	KSF	2,699	126	121	247	92	85	177
	Pass-by Fast-Food Restaurant			-638	-31	-30	-61	-20	-20	-40
	Gasoline Station w/ Conv. Mkt. & Car Wash	16	VFP	2,445	97	93	190	113	109	222
	Pass-by Gasoline/Service Station			-572	-21	-21	-42	-26	-26	-52
	Site Internal Capture (10%)			-693	-29	-27	-56	-26	-25	-51
2	Lytle Creek SP (10% of Capacity)									
	Single-Family Detached Housing	504	DU	4,823	95	284	379	321	188	509
	Condominium	336	DU	1,952	25	123	148	117	58	175
3	B+B Plastics*	150.27	KSF	963	64	17	81	22	64	86
4	PA 108 Building 6*	855.000	KSF	9,841	168	946	1,114	949	58	1,007
5	Renaissance East									
	Specialty Retail Center	4.550	KSF	202	-	-	-	5	7	12
	Pass-by Specialty Retail Center (10%)			-40	0	0	0	-1	-1	-2
	High-Turnover (Sit-Down) Restaurant	8.849	KSF	993	48	40	88	54	33	87
	Fast-Food Restaurant w/ D.T.	7.620	KSF	3,780	177	170	347	129	119	248
	Pass-by Fast-Food Restaurant (10%)			-378	-18	-17	-35	-13	-12	-25
6	PA 108 Building 4-B*	411.330	KSF	2,454	162	44	206	55	165	220
7	Hotel (SWC of Linden and Renaissance)	135	Occupied Room	1,204	52	38	90	46	48	94
8	Morin Warehouse	200.000	KSF	1,193	77	22	99	26	78	104
9	Buildings 7, 8, and 9 Warehouse	540.427	KSF	3,224	216	57	273	73	218	291
10	SEC Casmalia / Linden Warehouse	136.220	KSF	813	54	13	67	18	55	73
11	Fuel Station/Fast Food at SWC of Casmalia / Ayala	7.000	KSF	4,419	202	188	390	174	164	338
12	NWC Baseline / Alder Warehouse	255.655	KSF	1,526	104	28	132	34	104	138
13	NWC Baseline / Tamarind Warehouse	156.500	KSF	935	65	18	83	23	65	88
14	Baseline / Palmetto Warehouse	99.999	KSF	599	41	12	53	13	41	54
15	Warehouse	78.680	KSF	698	32	31	63	34	35	67
16	Warehouse	87.189	KSF	524	25	24	49	26	25	51
17	Warehouse	116.429	KSF	500	24	24	48	25	25	50
18	Warehouse*	67.465	KSF	402	17	16	33	18	17	35
19	Animal Hospital*	8.732	KSF	279	24	23	47	23	23	46
20	Fuel / FF / Market		FUELING POSITIONS	9,993	557	556	1,113	454	454	908
21	Fuel / Market / Donut		FUELING POSITIONS	3,941	156	155	311	124	123	247
22	Housing		DU	1,487	52	51	103	66	65	131
23	Shopping / Fast Food		KSF	4,651	44	44	88	99	98	197
24	Crow Holdings (N/S Baseline E/O Ayala)	668.524	KSF	1,163	88	26	114	34	93	127
25	Orbis (NEC Renaissance and Laurel)	135.408	KSF	236	18	5	23	7	19	26
26	Warehouse II (Baseline and Palmetto NEC)	90.726	KSF	158	12	4	16	5	13	18
27	Rialto Travel Center		FUELING POSITIONS	5,532	277	276	553	256	259	515
Total Project Trips				72,877	3,063	3,402	6,464	3,401	2,871	6,269

DU = Dwelling Units, KSF = 1,000 square feet, VFP = Vehicle Fueling Positions, DT = Drive-through

* Projects have been constructed as of October 2021 - Icluded in CP List due to count data collection in 2019

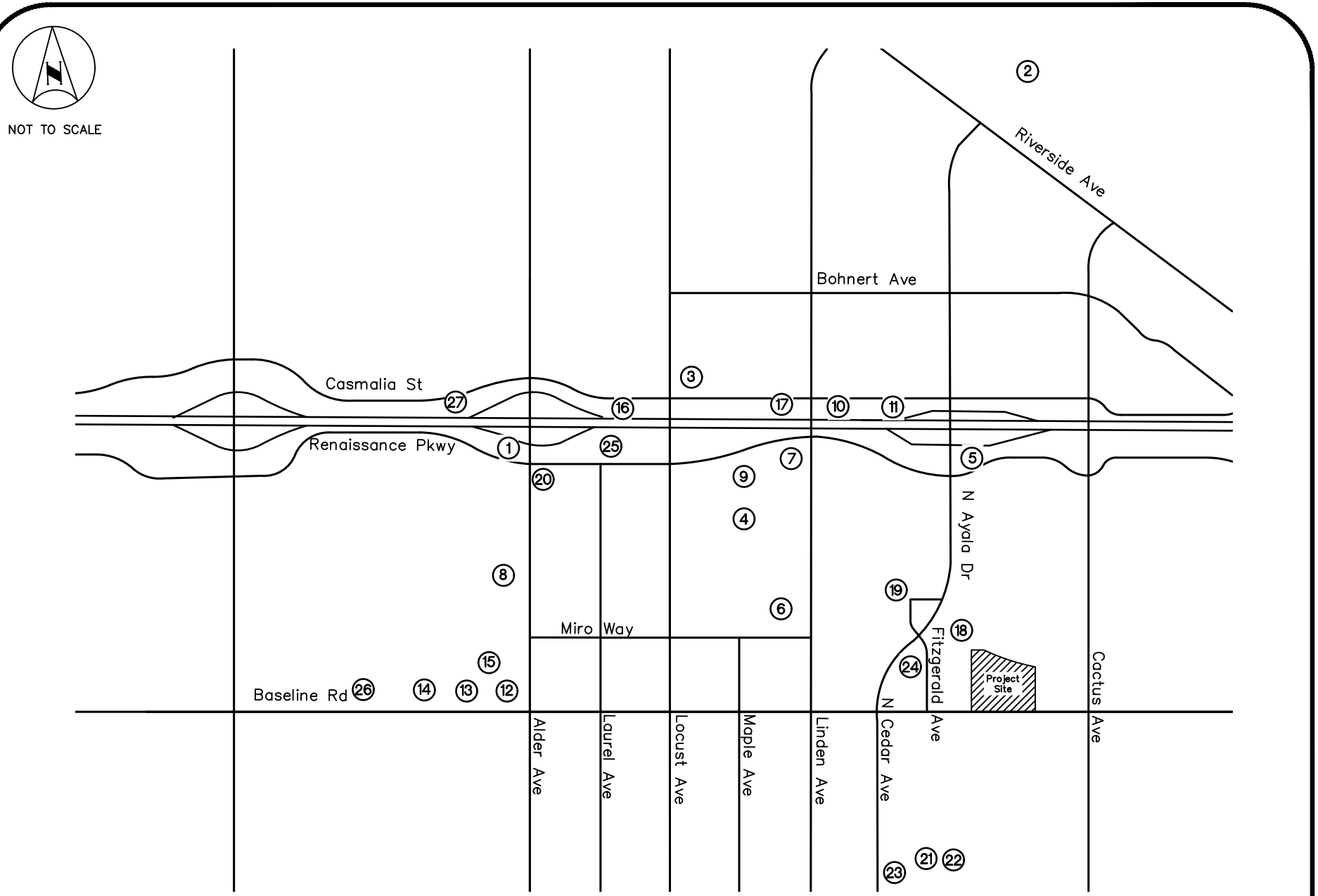
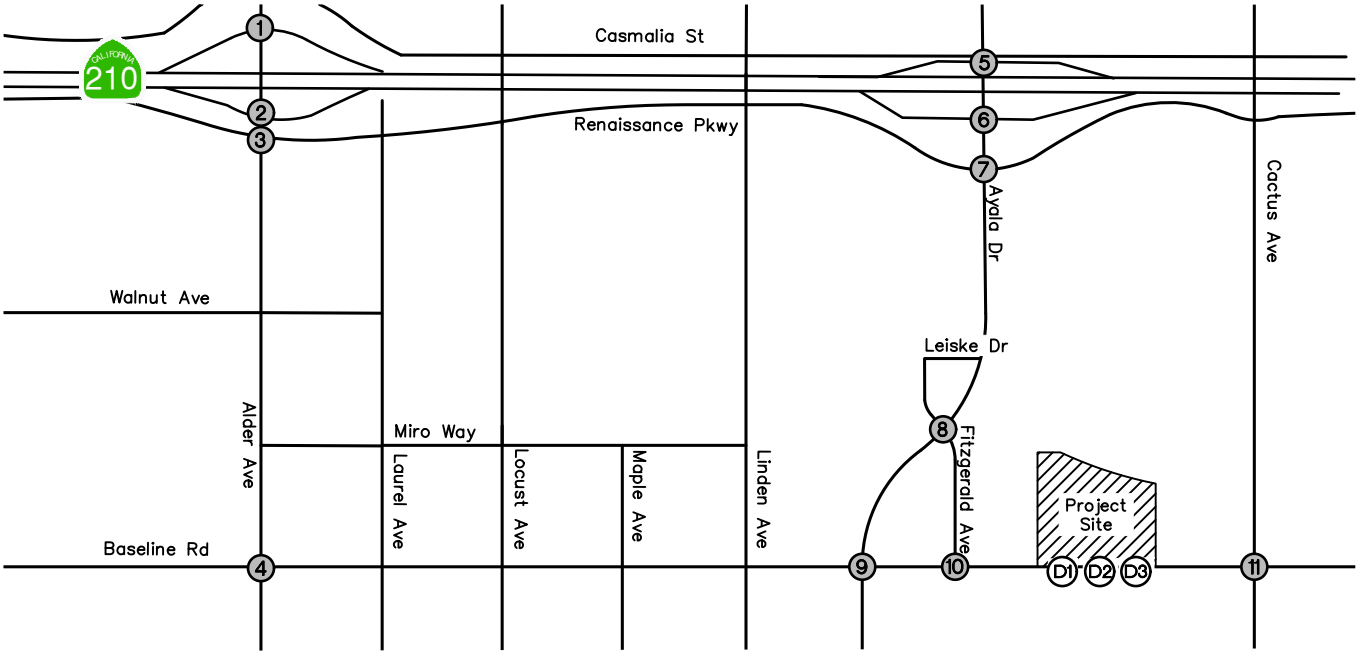


FIGURE 15
LOCATION OF CUMULATIVE PROJECTS

LEGEND:
(X) = Cumulative Project

Kimley»Horn



1. Alder Ave at SR-210 WB Ramps	2. Alder Ave at SR-210 EB Ramps	3. Alder Ave at Renaissance Pkwy	4. Alder Ave at Baseline Rd	5. Ayala Dr at SR-210 WB Ramps
144/253 ← 412/389 ← 90/124 → 450/267 ← 433/333 → 551/434 →	580/478 ← 99/90 → 235/152 → 390/442 ↘ 748/610 → 189/272 →	110/117 ← 389/296 ← 362/449 ← 457/294 ← 158/95 ← 12/13 → 112/102 → 116/147 → 51/45 ↘ 54/51 → 315/374 → 15/12 →	86/16 ← 191/78 ← 118/59 ← 57/123 ← 33/102 ← 13/45 → 26/89 → 101/42 → 82/206 → 45/15 →	122/98 ← 259/273 ← 224/180 → 213/395 ← 72/114 → 205/249 →
6. Ayala Dr at SR-210 EB Ramps	**7. Ayala Dr at Renaissance Pkwy**	**8. Ayala Dr at Fitzgerald Ave**	**9. Ayala Dr at Baseline Rd**	**10. Fitzgerald Ave at Baseline Rd**
312/493 ← 141/157 ← 83/127 → 106/84 ↘ 179/215 → 403/231 →	114/316 ← 226/157 ← 6/12 ← 12/6 ← 78/239 337/131 → 234/53 → 73/131 ↘ 124/76 → 132/230 → 17/0 →	236/186 ← 0/1 → 150/235 →	130/63 ← 91/110 ← 2/5 ← 4/2 ← 125/189 39/129 → 180/110 → 174/112 ↘ 125/182 → 100/91 →	← 111/181 241/97 →
11. Cactus Ave at Baseline Rd	**D1. Baseline Road at Driveway 1**	**D2. Baseline Road at Driveway 2**	**D3. Baseline Road at Driveway 3**	
12/7 ← ← 102/185 5/12 → 241/89 → 3/7 ↘ 7/4 →	FUTURE INTERSECTION	FUTURE INTERSECTION	FUTURE INTERSECTION	

NOT TO SCALE

LEGEND:

(X) = Study Intersection

XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 16
CUMULATIVE PROJECTS TRAFFIC VOLUMES

5. Opening Year 2022 Cumulative Without Project Conditions

Peak Hour Operating Conditions

Daily and peak hour traffic volumes for Opening Year 2022 Cumulative Without Project Conditions are shown on **Figure 17**. Intersection Level of Service results are shown on **Table 9.** Review of this table indicates that the following study intersections would operate at an unacceptable Level of Service under Cumulative Without Project conditions:

- #1 – Alder Avenue at SR-210 WB Ramps: AM – LOS F; PM – LOS F
- #2 – Alder Avenue at SR-210 EB Ramps: AM – LOS F; PM – LOS F
- #3 – Alder Avenue at Renaissance parkway: AM – LOS F; PM – LOS F
- #8 – Ayala Drive at Fitzgerald Avenue: AM – LOS F; PM – LOS F
- #9 – Ayala Drive at Baseline Road: PM – LOS E

Copies of intersection analysis worksheets are provided in ***Appendix D***.

Daily Roadway Operating Conditions

Roadway Level of Service analysis was conducted for Opening Year 2022 Cumulative Without Project conditions and the results are shown on **Table 10.**

Review of this table indicates that the study roadway segments would continue to operate within their Level of Service D capacity.

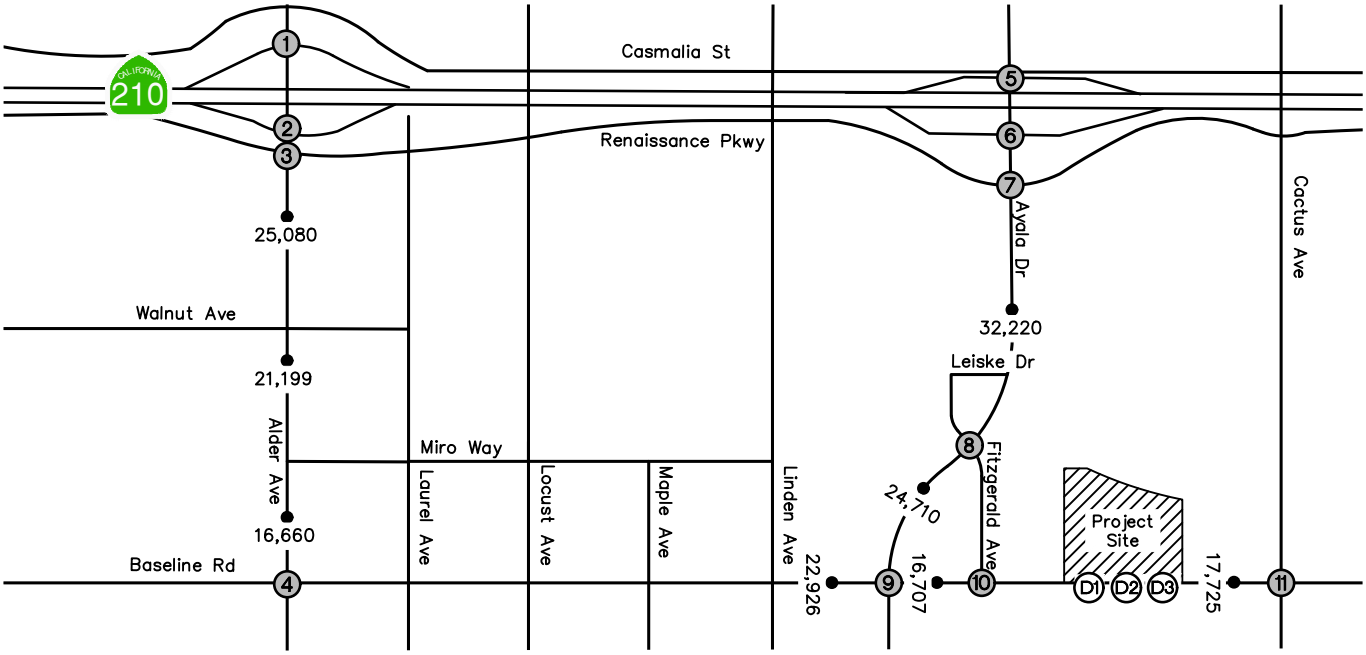
6. Opening Year 2022 Cumulative Plus Project Conditions

Peak Hour Operating Conditions

Project traffic was added to Opening Year 2022 Cumulative traffic volumes to develop Opening Year 2022 Cumulative plus Project traffic forecast volumes. The resulting daily and peak hour traffic volumes are shown on **Figure 18**.

Intersection Level of Service analysis results are shown on **Table 11**. Review of this table indicates that the following study intersection(s) would continue to operate at an unacceptable Level of Service with the addition of Project traffic under Cumulative Plus project conditions:

- #1 – Alder Avenue at SR-210 WB Ramps: AM – LOS F; PM – LOS F
- #2 – Alder Avenue at SR-210 EB Ramps: AM – LOS F; PM – LOS F
- #3 – Alder Avenue at Renaissance Parkway: AM – LOS F; PM – LOS F
- #8 – Ayala Drive at Fitzgerald Avenue: AM – LOS F; PM – LOS F
- #9 – Ayala Drive at Baseline Road: PM – LOS E
- #10 – Fitzgerald Avenue at Baseline Road: PM – LOS E



1. Alder Ave at SR-210 WB Ramps	2. Alder Ave at SR-210 EB Ramps	3. Alder Ave at Renaissance Pkwy	4. Alder Ave at Baseline Rd	5. Ayala Dr at SR-210 WB Ramps
624/646 ← 690/748 → 374/267 ← 2/5 ← 749/534 756/795 → 1024/909 ←	981/853 ← 325/301 623/470 → 2/8 → 871/828 → 1235/1195 → 455/598 ←	147/128 ← 1064/859 ← 603/698 → 711/542 ← 186/107 ← 65/69 139/135 → 140/159 → 68/54 → 73/53 → 833/1060 ← 60/84 ←	205/144 ← 460/377 ← 173/137 → 157/173 ← 311/451 ← 36/84 125/198 → 412/531 → 34/50 → 44/40 → 305/552 ← 64/55 ←	438/313 ← 813/813 → 479/476 ← 3/6 ← 710/1081 651/683 → 583/696 ←
6. Ayala Dr at SR-210 EB Ramps	**7. Ayala Dr at Renaissance Pkwy**	**8. Ayala Dr at Fitzgerald Ave**	**9. Ayala Dr at Baseline Rd**	**10. Fitzgerald Ave at Baseline Rd**
1067/1411 ← 450/431 221/374 → 2/1 → 698/696 → 1045/1003 → 906/943 ←	452/888 ← 1058/766 ← 164/264 → 334/239 ← 167/393 ← 12/38 565/607 → 316/236 → 141/257 → 188/193 → 925/929 ← 37/42 ←	106/2 ← 886/940 ← 118/154 → 112/149 ← 2/1 ← 3/6 0/2 → 3/0 → 0/5 → 4/4 → 825/1064 ← 5/6 ←	204/144 ← 713/671 ← 58/86 → 47/60 ← 577/557 ← 105/91 168/276 → 559/518 → 353/271 → 329/321 → 753/718 ← 68/111 ←	16/53 ← 79/128 → 99/122 ← 609/682 41/33 → 664/703 →
11. Cactus Ave at Baseline Rd	**D1. Baseline Road at Driveway 1**	**D2. Baseline Road at Driveway 2**	**D3. Baseline Road at Driveway 3**	
105/65 ← 493/274 ← 109/99 → 119/85 ← 494/635 ← 157/113 79/87 → 561/646 → 96/96 → 79/104 → 352/420 ← 147/100 ←	FUTURE INTERSECTION	FUTURE INTERSECTION	FUTURE INTERSECTION	

NOT TO SCALE

LEGEND:

- (X) = Study Intersection
- XXXX = Average Daily Traffic Volume
- XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 17
OPENING YEAR 2022 - CUMULATIVE WITHOUT PROJECT TRAFFIC VOLUMES

TABLE 9
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2022 CUMULATIVE WITHOUT PROJECT

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
1	Alder Avenue at SR-210 WB Ramps	S	146.5	**F**	126.2	**F**
2	Alder Avenue at SR-210 EB Ramps	S	147.6	**F**	140.9	**F**
3	Alder Avenue at Renaissance Parkway	S	112.5	**F**	123.5	**F**
4	Alder Avenue at Baseline Road	S	30.0	C	47.9	D
5	Ayala Drive at SR-210 WB Ramps	S	35.7	D	42.9	D
6	Ayala Drive at SR-210 EB Ramps	S	40.3	D	43.8	D
7	Ayala Drive at Renaissance Parkway	S	26.2	C	29.4	C
8	Ayala Drive at Fitzgerald Avenue	U	83.8	**F**	134.0	**F**
9	Ayala Drive at Baseline Road	S	53.9	D	79.9	**E**
10	Fitzgerald Avenue at Baseline Road	U	19.0	C	25.9	D
11	Cactus Avenue at Baseline Road	S	30.4	C	27.8	C
D1	Baseline Road at Driveway 1	FUTURE INTERSECTION				
D2	Baseline Road at Driveway 2	FUTURE INTERSECTION				
D3	Basline Road at Driveway 3	FUTURE INTERSECTION				

Notes:
- **Bold** and shaded values indicate intersections operating at LOS E or F or significant impact to intersection per City standards.
- At a signalized intersection, delay refers to the average control delay for the entire intersection, measured in seconds per vehicle.
- At a two-way stop-controlled intersection, delay refers to the average vehicle delay on the worst (highest delay) movement.
- Delay values are based on the methodology outlined in the Highway Capacity Manual, (6^{th} Edition).

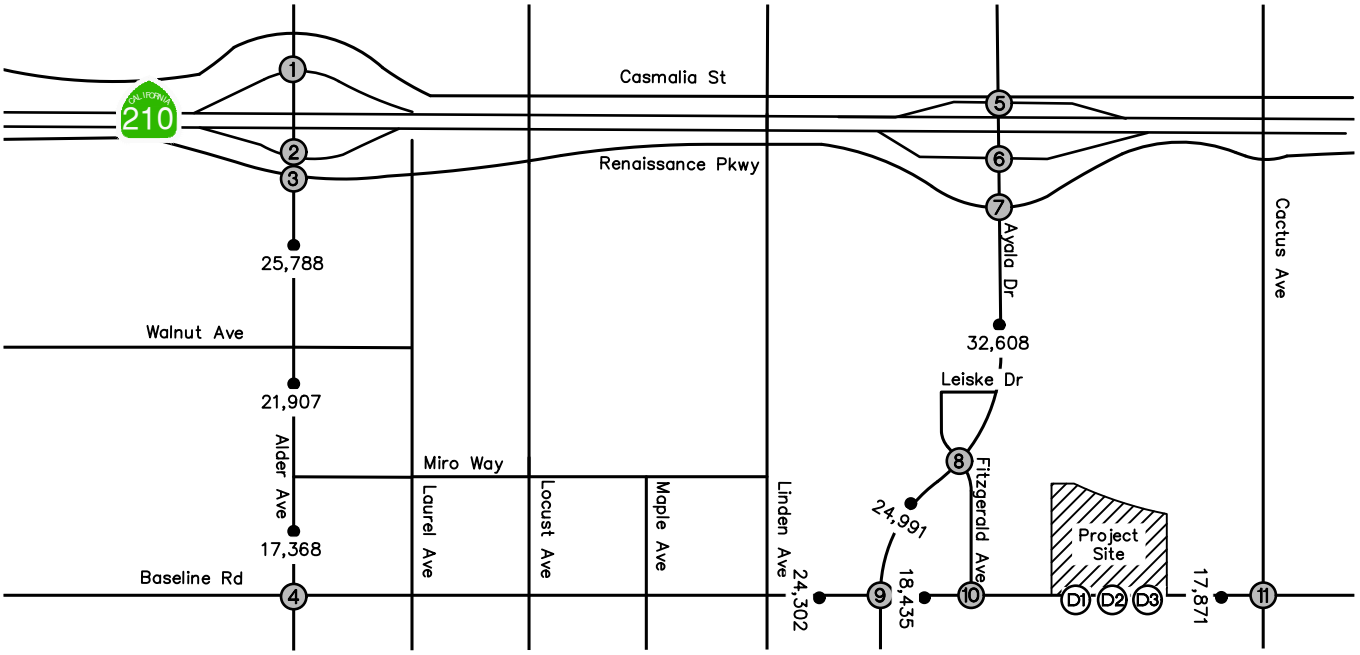
S = Signalized
U = Unsignalized

TABLE 10
SUMMARY OF ROADWAY ANALYSIS
OPENING YEAR 2022 CUMULATIVE WITHOUT PROJECT

Roadway	Segment	LOS D Capacity[1]	Existing Plus Growth ADT	Cumulative Projects ADT	Opening Year + Cum. Projects ADT	LOS D or Better?
Ayala Drive	Renaissance Parkway to Fitzgerald Avenue	33,000	27,820	4,400	32,220	Yes
	Fitzgerald Avenue to Baseline Road	33,000	22,660	2,050	24,710	Yes
Baseline Road	West of Ayala Drive	33,000	19,226	3,700	22,926	Yes
	Ayala Drive to Fitzgerald Avenue	33,000	15,457	1,250	16,707	Yes
	Idyllwild Avenue to Cactus Avenue	33,000	17,075	650	17,725	Yes
Alder Avenue	Renaissance Parkway to Walnut Avenue	33,000	20,530	4,550	25,080	Yes
	Walnut Avenue to Miro Way	33,000	18,599	2,600	21,199	Yes
	Miro Way to Baseline Road	33,000	14,060	2,600	16,660	Yes

[1] Per Specific Plan

Notes: LOS = Level of Service
ADT = Average Daily Traffic



1. Alder Ave at SR-210 WB Ramps	2. Alder Ave at SR-210 EB Ramps	3. Alder Ave at Renaissance Pkwy	4. Alder Ave at Baseline Rd	5. Ayala Dr at SR-210 WB Ramps
← 624/654 ← 690/748 → 374/270 ← 2/5 ← 801/558 ↑ 771/857 ↑ 1024/909	← 1035/872 ← 325/305 623/477 → 2/8 → 924/854 → ↑ 1251/1246 ↑ 471/655	← 147/128 ← 1174/897 ← 603/698 → 711/542 ← 186/107 ← 65/69 139/135 → 140/159 → 72/55 → ↑ 74/56 ↑ 865/1165 ↑ 60/85	← 205/144 ← 460/377 ← 285/178 → 190/280 ← 313/464 ← 36/85 125/198 → 418/544 → 34/50 → ↑ 44/40 ↑ 305/552 ↑ 64/56	← 438/317 ← 816/814 → 479/482 ← 3/6 ← 722/1098 ↑ 654/706 ↑ 584/699
6. Ayala Dr at SR-210 EB Ramps	**7. Ayala Dr at Renaissance Pkwy**	**8. Ayala Dr at Fitzgerald Ave**	**9. Ayala Dr at Baseline Rd**	**10. Fitzgerald Ave at Baseline Rd**
← 1081/1416 ← 450/436 221/379 → 2/1 → 709/712 → ↑ 1050/1018 ↑ 907/966	← 452/899 ← 1084/775 ← 164/264 → 334/239 ← 167/396 ← 17/40 565/616 → 316/240 → 141/259 → ↑ 188/195 ↑ 931/953 ↑ 39/48	← 106/2 ← 897/944 ← 138/161 → 115/158 ← 2/1 ← 3/6 0/2 → 3/0 → 0/5 → ↑ 4/4 ↑ 829/1085 ↑ 5/6	← 204/146 ← 713/671 ← 71/90 → 51/80 ← 613/677 ← 108/97 168/279 → 681/568 → 353/274 → ↑ 329/324 ↑ 753/718 ↑ 74/113	← 16/53 ← 100/136 → 102/131 ← 649/825 41/33 → 795/752 →
11. Cactus Ave at Baseline Rd	**D1. Baseline Road at Driveway 1**	**D2. Baseline Road at Driveway 2**	**D3. Baseline Road at Driveway 3**	
← 108/65 ← 493/274 ← 109/99 → 119/85 ← 507/637 ← 157/113 80/87 → 569/652 → 101/102 → ↑ 86/107 ↑ 352/420 ↑ 147/100	← 6/20 → 3/1 ← 586/890 872/810 →	← 33/115 ← 3/11 → 3/1 ← 526/585 ← 14/31 138/54 → 424/667 → 34/36 → ↑ 77/45 ↑ 16/17	← 3/11 → 5/2 ← 480/556 410/670 →	

NOT TO SCALE

Note: Due to the addition of a median, Glenwood Avenue will become right-in/right-out only and existing left turns will re-route to Idyllwild Avenue and Baseline Road intersection.

LEGEND:
- (X) = Study Intersection
- — — = Future Road
- XXXX = Average Daily Traffic Volume
- XX/YY = AM/PM Peak Hour Turning Movement Volumes

FIGURE 18
OPENING YEAR 2022 CUMULATIVE PLUS PROJECT TRAFFIC VOLUMES

TABLE 11
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2022 CUMULATIVE PLUS PROJECT

Int. #	Intersection	Traffic Control	AM Peak Hour						PM Peak Hour					
			Without Project		With Project		Project Impact	Impact Sig?	Without Project		With Project		Project Impact	Impact Sig?
			Delay	LOS	Delay	LOS			Delay	LOS	Delay	LOS		
1	Alder Avenue at SR-210 WB Ramps	S	146.5	**F**	159.7	**F**	13.2	**Yes**	126.2	**F**	144.1	**F**	17.9	**Yes**
2	Alder Avenue at SR-210 EB Ramps	S	147.6	**F**	159.0	**F**	11.4	**Yes**	140.9	**F**	161.2	**F**	20.3	**Yes**
3	Alder Avenue at Renaissance Parkway	S	112.5	**F**	112.8	**F**	0.3	No	123.5	**F**	134.7	**F**	11.2	**Yes**
4	Alder Avenue at Baseline Road	S	30.0	C	33.8	C	3.8	No	47.9	D	50.8	D	2.9	No
5	Ayala Drive at SR-210 WB Ramps	S	35.7	D	36.1	D	0.4	No	42.9	D	44.1	D	1.2	No
6	Ayala Drive at SR-210 EB Ramps	S	40.3	D	41.4	D	1.1	No	43.8	D	47.8	D	4.0	No
7	Ayala Drive at Renaissance Parkway	S	26.2	C	26.3	C	0.1	No	29.4	C	29.9	C	0.5	No
8	Ayala Drive at Fitzgerald Avenue	U	83.8	**F**	92.9	**F**	9.1	**Yes**	134.0	**F**	146.1	**F**	12.1	**Yes**
9	Ayala Drive at Baseline Road	S	53.9	D	53.6	D	-0.3	No	79.9	**E**	78.9	**E**	-1.0	No
10	Fitzgerald Avenue at Baseline Road	U	19.0	C	22.2	C	3.2	No	25.9	D	35.1	**E**	9.2	**Yes**
11	Cactus Avenue at Baseline Road	S	30.4	C	30.3	C	-0.1	No	27.8	C	27.8	C	0.0	No
D1	Baseline Road at Driveway 1	U	N/A		10.1	B	N/A		N/A		11.6	B	N/A	
D2	Baseline Road at Driveway 2	S	N/A		6.9	A	N/A		N/A		7.2	A	N/A	
D3	Basline Road at Driveway 3	U	N/A		10.1	B	N/A		N/A		10.8	B	N/A	

Notes:
- **Bold** and shaded values indicate intersections operating at LOS E or F or significant impact to intersection per City standards.
- At a signalized intersection, delay refers to the average control delay for the entire intersection, measured in seconds per vehicle.
- At a two-way stop-controlled intersection, delay refers to the average vehicle delay on the worst (highest delay) movement.
- Delay values are based on the methodology outlined in the Highway Capacity Manual, (6th Edition).

S = Signalized
U = Unsignalized

Based on the significance thresholds presented earlier in this report, the Project impact would be considered cumulatively significant at the following intersections under Cumulative With Project conditions:

- #1 – Alder Avenue at SR-210 WB Ramps: AM and PM peak hours
- #2 – Alder Avenue at SR-210 EB Ramps: AM and PM peak hours
- #3 – Alder Avenue at Renaissance Parkway: AM and PM peak hours
- #8 – Ayala Drive at Fitzgerald Avenue: AM and PM peak hours
- #10 – Fitzgerald Avenue at Baseline Road: PM peak hour

Recommended measures to mitigate the Project impacts are presented in the Project Impact Mitigation section of this report. Copies of intersection analysis worksheets are provided in ***Appendix D***.

Daily Roadway Operating Conditions

Roadway Level of Service analysis results for Opening Year 2022 Cumulative Plus Project conditions are shown on **Table 12.** Review of this table indicates that with the addition of Project traffic, the study roadway segments would continue to operate within their Opening Year 2022 Level of Service D capacity.

TABLE 12
SUMMARY OF ROADWAY ANALYSIS
OPENING YEAR 2022 CUMULATIVE PLUS PROJECT

Roadway	Segment	LOS D Capacity[1]	Opening Year + Cum. Projects ADT	Daily Project Traffic	Opening Year + Cum. Project + Project ADT	LOS D or Better?
Ayala Drive	Renaissance Parkway to Fitzgerald Avenue	33,000	32,220	388	32,608	Yes
	Fitzgerald Avenue to Base Line Road	33,000	24,710	281	24,991	Yes
Base Line Road	West of Ayala Drive	33,000	22,926	1,376	24,302	Yes
	Base Line Road to Fitzgerald Avenue	33,000	16,707	1,728	18,435	Yes
	Idyllwild Avenue to Cactus Avenue	33,000	17,725	146	17,871	Yes
Alder Avenue	Renaissance Parkway to Walnut Avenue	33,000	25,080	708	25,788	Yes
	Walnut Avenue to Miro Way	33,000	21,199	708	21,907	Yes
	Miro Way to Baseline Road	33,000	16,660	708	17,368	Yes

[1] Per Specific Plan

Notes: LOS = Level of Service
ADT = Average Daily Traffic

IV. MITIGATION MEASURES

A. Intersection Improvements

Based on the impact criteria in the City's *Traffic Impact Analysis Report Guidelines and Requirements* (Exhibit F), the Project-related impact would be considered significant at the following intersections:

- #1 – Alder Avenue at SR-210 WB Ramps: AM and PM peak hours
- #2 – Alder Avenue at SR-210 EB Ramps: AM and PM peak hours
- #3 – Alder Avenue at Renaissance Parkway: AM and PM peak hours
- #8 – Ayala Drive at Fitzgerald Avenue: AM and PM peak hours
- #10 – Fitzgerald Avenue at Baseline Road: PM peak hour

Notes:

- Although Intersection #9 (Ayala Drive at Baseline Road) would operate at LOS E under Cumulative With Project conditions in the PM peak hour, the Project impact would be an increase of 1.5 seconds, and therefore, would not be considered a significant impact based on the sliding scale shown on page 5.

Implementation of the fair-share contribution by the Project for the following improvements would mitigate Project impacts:

#1 – Alder Avenue at SR-210 WB Ramps: Restripe the northbound approach to add a second dedicated northbound left turn lane. Although the intersection would continue to operate at an unacceptable Level of Service, the addition of a second northbound left turn lane would improve the overall intersection delay and would more than offset the project-related incremental increase in delay.

#2 – Alder Avenue at SR-210 EB Ramps: Restripe the southbound approach to add a second southbound left turn lane. Although the intersection would continue to operate at an unacceptable Level of Service, the addition of a second southbound left turn lane would improve the overall intersection delay and would more than offset the project-related incremental increase in delay.

#3 – Alder Avenue at Renaissance Parkway: Restripe the southbound approach to provide a second southbound left turn lane. Although the intersection would continue to operate at an unacceptable Level of Service, the addition of a second southbound left turn lane would improve the overall intersection delay and would more than offset the project-related incremental increase in delay.

Appendix I contains the Alder Avenue and SR-210 interchange improvement concept.

The following unsignalized intersections, which already operate at an unacceptable Level of Service, would continue to operate at an unacceptable Level of Service with the addition of Project traffic:

- #8 – Ayala Drive at Fitzgerald Avenue
- #10 – Fitzgerald Avenue at Baseline Road

The following improvements would assist with mitigating deficiencies at these intersections:

#8 – Ayala Drive at Fitzgerald Avenue:
A signal warrant analysis was conducted for the intersection of Ayala Drive at Fitzgerald Avenue.

The signal warrant analysis shows that the future PCE volumes at this intersection would satisfy the One-Hour Signal Warrant during the AM and PM peak hours under Opening Year 2022 Cumulative Without Project and Opening Year 2022 Cumulative Plus Project conditions. This improvement would be completed by the City and would remain consistent with recommendations set forth in the *Traffic Impact Study for the City of Rialto Renaissance Specific Plan Amendment*. The Project will contribute on a fair-share basis to this improvement.

#10 – Fitzgerald Avenue at Baseline Road:
A signal warrant analysis was conducted for the intersection of Fitzgerald Avenue at Baseline Road.

The signal warrant analysis shows that the future PCE volumes at this intersection would satisfy the One-Hour Signal Warrant during the AM and PM peak hours under Opening Year 2022 Cumulative Without Project and Opening Year 2022 Cumulative Plus Project conditions. This improvement would be completed by the City and would remain consistent with recommendations set forth in the *Traffic Impact Study for the City of Rialto Renaissance Specific Plan Amendment*. The Project will contribute on a fair-share basis to this improvement.

A summary of the intersections operation before and after implementation of these mitigation measures is provided on **Table 13**. The Project fair share proportion of the improvements are shown on **Table 14**, and the estimated costs of the proposed improvements, as derived from the Citywide Development Impact Fee Program, the *Draft Feasibility Study Report* for the Alder Avenue and SR-210 Interchange, and the Congestion Management Program (CMP) Appendix G, are shown on **Table 15**.

B. Roadway Improvements

The Project would not have a significant impact on any of the study roadway segments.

TABLE 13
SUMMARY OF INTERSECTION OPERATIONS WITH PROPOSED MITIGATION MEASURES

Int. #	Intersection	AM Peak Hour				PM Peak Hour			
		Without Mitigation		With Mitigation		Without Mitigation		With Mitigation	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
1	Alder Avenue at SR-210 WB Ramps								
	Alder Avenue Improvement Project (Restripe NB approach to add a second NB Left Turn lane)[1]	159.7	**F**	93.4	**F**	144.1	**F**	70.4	**E**
2	Alder Avenue at SR-210 EB Ramps								
	Alder Avenue Improvement Project (Restripe SB approach to add a second SB left-turn lane.)[1]	159.0	**F**	120.6	**F**	161.2	**F**	129.2	**F**
3	Alder Avenue at Renaissance Parkway								
	Alder Avenue Improvement Project (Restripe SB approach to add a second SB left-turn lane.)[1]	112.8	**F**	84.5	**F**	134.7	**F**	75.5	**E**
8	Ayala Drive at Fitzgerald Avenue								
	Install Traffic Signal	92.9	**F**	26.7	C	146.1	**F**	37.1	D
10	Fitzgerald Avenue at Baseline Road								
	Install Traffic Signal	22.2	C	25.5	C	35.1	**E**	43.6	D

Notes:
- **Bold** and shaded values indicate intersections operating at LOS E or F or significant impact to intersection per City standards.
- At a signalized intersection, delay refers to the average control delay for the entire intersection, measured in seconds per vehicle.
- At a two-way stop-controlled intersection, delay refers to the average vehicle delay on the worst (highest delay) movement.
- Delay values are based on the methodology outlined in the Highway Capacity Manual, (6^{th} Edition).

[1] Source: Feasibility Study Report: Alder Avenue at SR-210 Interchange (August, 2017).

TABLE 14

SUMMARY OF PROJECT FAIR SHARE FOR MITIGATION MEASURES

Intersection	AM Peak Hour					PM Peak Hour				
	Total Volume		Total	Project		Total Volume		Total	Project	
	2019	2020	Growth	Trips	%-age	2019	2020	Growth	Trips	%-age
#1 - Alder Avenue at SR-210 WB Ramps	1,823	4,286	2,463	67	2.7%	1,947	4,001	2,054	97	4.7%
#2 - Alder Avenue at SR-210 EB Ramps	1,749	4,631	2,882	139	4.8%	2,115	4,417	2,302	164	7.1%
#3 - Alder Avenue at Renaissance Parkway	1,362	4,236	2,874	147	5.1%	1,745	4,096	2,351	148	6.3%
#8 - Ayala Drive at Fitzgerald Avenue	1,555	2,102	547	38	6.9%	1,712	2,374	662	41	6.2%
#10 - Fitzgerald Avenue at Baseline Road	1,016	1,703	687	195	28.4%	1,333	1,930	597	209	35.0%

TABLE 15
TRAFFIC IMPACT MITIGATION FAIR-SHARE COST

#1, #2, #3 - Alder Avenue Improvement	Unit Cost	Quantity	Total
Alder Avenue Improvement Project [1]	$ 4,417,059	1	$ 4,417,059
Project Fair Share percentage[2]			6.1%
Project Cost			$ 269,441
#8 - Ayala Drive at Fitzgerald Avenue			
Install Traffic Signal	$ 400,000	1	$ 400,000
Project Fair Share percentage[3]			6.9%
Project Cost			$ 27,600
#10 - Fitzgerald Avenue at Baseline Road			
Install Traffic Signal	$ 400,000	1	$ 400,000
Project Fair Share percentage[3]			35.0%
Project Cost			$ 140,000
	Total Project Cost		**$ 437,041**

[1] Cost based on Exhibit A - PS&E Final Design Cost Estimate ($1,192,059) and Exhibit B - Construction Cost Estimate ($3,225,000) for the SR-210/Alder Ave Interchange Improvements Project, provided as part of City Council Agenda Item #20-0741 (dated November 10, 2020).

[2] Average blended fair share percentage calculated based on AM and PM peak hour volumes between intersections #1, #2, and #3, as noted in Table 14.

[3] Higher of AM or PM project fair share percentage

V. FINDINGS AND RECOMMENDATIONS

A. Improvements

Off-site mitigation improvements were identified to assist with mitigating the Project's impacts at the following study intersections:

- #1 – Alder Avenue at SR-210 WB Ramps
- #2 – Alder Avenue at SR-210 EB Ramps
- #3 – Alder Avenue at Renaissance parkway

B. Traffic Signal Warrant Analysis

Signal warrant analyses were conducted for the unsignalized intersections of Ayala Drive at Fitzgerald Avenue, Ayala Drive at Baseline Road, and Driveway 2 at Baseline Road. The signal warrant analysis shows that the future volumes at these intersections would satisfy the One-Hour Signal Warrant for during AM and PM peak hours at the following locations:

- #8 – Ayala Drive at Fitzgerald Avenue
- #10 – Fitzgerald Avenue at Baseline Road
- #12 – Baseline Road and Driveway 2/Idyllwild Road

The installation of traffic signals at these locations to improve future year intersection operations is consistent with the *Traffic Impact Study for the City of Rialto Renaissance Specific Plan Amendment.*

Signal analysis worksheets for these intersections are provided in ***Appendix F***.

C. Site Circulation

Vehicular access provisions for the Project site would consist of three driveways on Baseline Road.

Passenger vehicles would access the site via all three driveways on Baseline Road. The westernmost driveway (Driveway 1) and easternmost driveway (Driveway 3) would have right-in right-out access control. Trucks would enter and exit the site via the middle driveway (Driveway 2) on Baseline Road and would travel to/from the west to utilize truck routes along Alder Avenue. A raised median on Baseline Road along Project frontage would be constructed as part of the Project. **Figures 19-20** shows the ingress and egress truck turn template at Driveway 2, **Figure 21-24** shows the U-Turn templates for passenger cars and trucks, **Figure 25** shows the truck queues at Driveway 2, and **Figures 26-27** shows the proposed signal operations at Driveway 2 and Idyllwild Avenue.

D. Safety and Operational Improvements

The site driveways and Project improvements must be designed so that adequate sight distance for drivers entering and exiting the site is maintained.

The line of sight – a straight line between the driver's eye and oncoming vehicles on the adjacent roadway defines the Limited Use Area. The Limited Use Area for each driveway must be kept clear of visual obstructions, including Project signs, building structures, and landscaping, in order to maintain adequate sight distance.

E. Signal Proximity and Operational Analysis

An operational analysis was conducted for the proposed new signal at Driveway 2 and Idyllwild, to evaluate signal proximity with the future signal at Fitzgerald Avenue and Baseline and the existing signal at Ayala Drive and Baseline Road. The following is the summary of the evaluation.

1. Build-Out Delay and Level of Service

The operational analysis assumes the project buildout conditions. The analysis includes the residential diverted trips from Glenwood Avenue through the local roads due to the proposed raised median restricting northbound left-turn movements and forcing vehicles to use the new signalized intersection at Idyllwild Avenue. Table 16 shows the intersection's LOS under signalized controls for Opening Year 2022 Cumulative Plus Project Conditions. As shown in the table, all three new traffic signals will operate at optimum level of service.
Appendix G contains the Glenwood Avenue Redistribution Figure and Buildout Analysis Level of Service worksheets.

2. Build-Out Queueing Analysis

Table 17 shows the 95th percentile queues conducted using methodologies outlined in the Highway Capacity Manual 6th Edition and Synchro 10 software. As shown in Table 17, all 95th percentile queues are expected to be accommodated within the proposed driveway throat depths and the standard left-turn pockets lengths at the signalized intersections at Ayala Drive at Fitzgerald Avenue and Fitzgerald Avenue at Baseline Road.
Appendix H contains the Level of Service worksheets and the SimTraffic queueing reports.
As part of the implementation of the traffic signal at Driveway 2 and Idyllwild Avenue, the applicant will provide a signal timing plan to maximize efficiency of the system.

TABLE 16
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2022 - WITH PROJECT BUILDOUT AND REDISTRIBUTION

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
8	Ayala Drive at Fitzgerald Avenue	S	7.1	C	12.6	B
10	Fitzgerald Avenue at Baseline Road	S	12.2	B	8.3	A
D2	Baseline Road at Driveway 2/Idyllwild Rd[1]	S	14.3	B	14.2	B

Notes:
1. Intersection was analyzed based on the methodology outlined in the 2000 Highway Capacity Manual due to limitations for calculating delay at clustered intersections.
- All other delay values are based on the methodology outlined in the Highway Capacity Manual 6th Edition.

S = Signalized

TABLE 17
OPENING YEAR (2022) WITH PROJECT BUILDOUT
QUEUEING SUMMARY

Intersection	Movement	Available Storage (ft)	95% Queues (ft)[1]	
			AM Peak	PM Peak
D1. Baseline Rd at Driveway 1				
	SBR	–	34	42
D2. Baseline Rd at Driveway 2				
	EBL	150	138	102
	SBLR	–	50	75
	NBLR	–	93	91
	WBL	100	<25	34
D3. Baseline Rd at Driveway 3				
	SBR	–	<25	34
8. Ayala Dr at Fitzgerald Ave				
	WBL	100	<25	<25
	NBL	110	<25	<25
	SBL	125	43	124
	EBLTR	–	<25	<25
10. Fitzgerald Ave at Baseline Road				
	EBL	–	53	56
	SBLR	–	64	128

[1] Queue is based on the average of three SimTraffic simulation runs.

[2] Queues less than 25 feet are denoted as '<25'

F. Fair Share Calculations

The Project fair share proportion of the improvements are shown on Table 14 (presented previously), and the estimated costs of the proposed improvements, are shown on Table 15 (presented previously).

G. Specific Plan Signalization

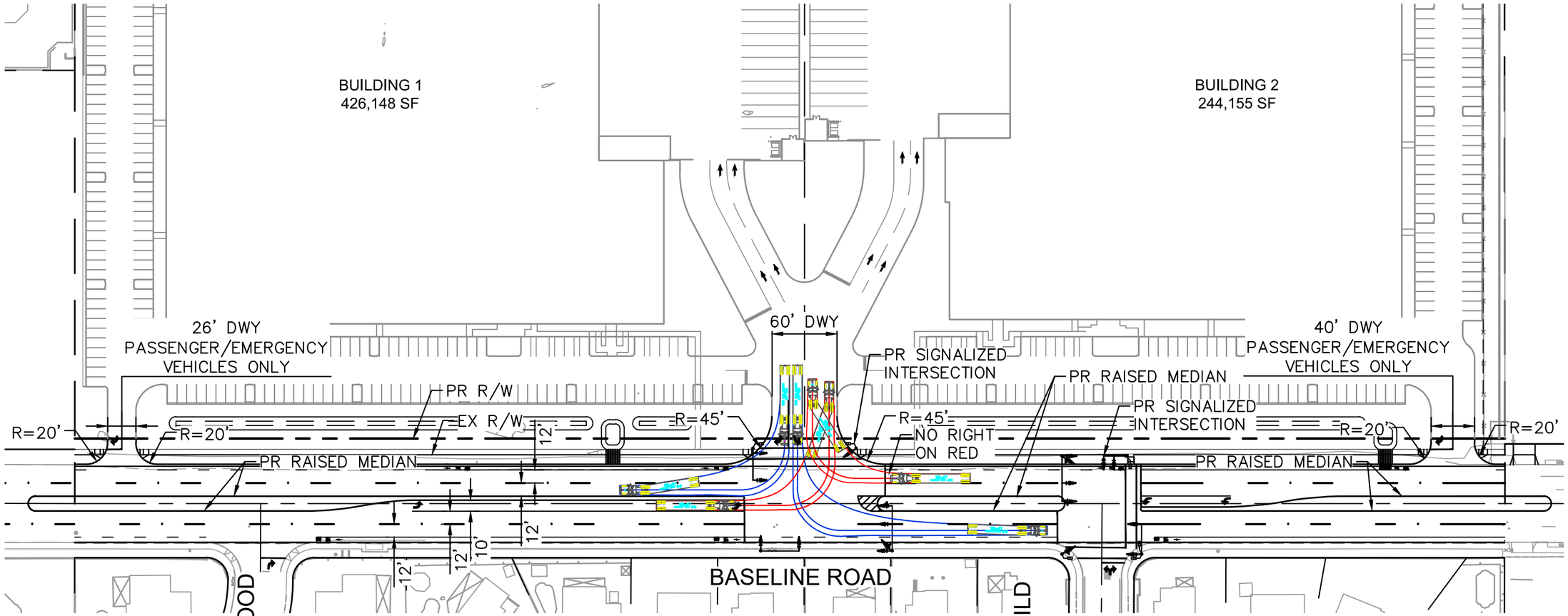
Not Applicable.

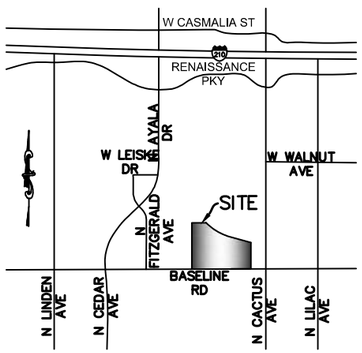
H. General Plan Conformance

The proposed Olive Grove Business Park development is anticipated to conform to the City's latest General Plan.

I. Regional Funding Mechanisms

The Project is subject to the City's city-wide traffic impact fee program. To the extent that a mitigation measure is included in an existing fee program, the Project's payment of impact fees can be used to offset the costs of implementing the mitigation measures. In addition, the Project may be required construct a needed improvement in advance of the City's receipt of full funding, in which case the improvement may be subject to a reimbursement agreement, to allow the Project to recoup costs from future development.





VICINITY MAP

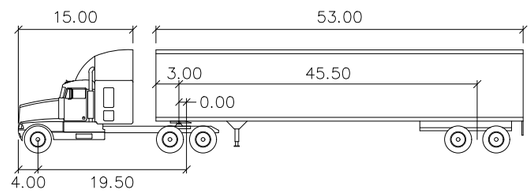
NTS

WB-67: INGRESS AND EGRESS

LEGEND

PROJECT EGRESS

PROJECT INGRESS



WB-67

feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

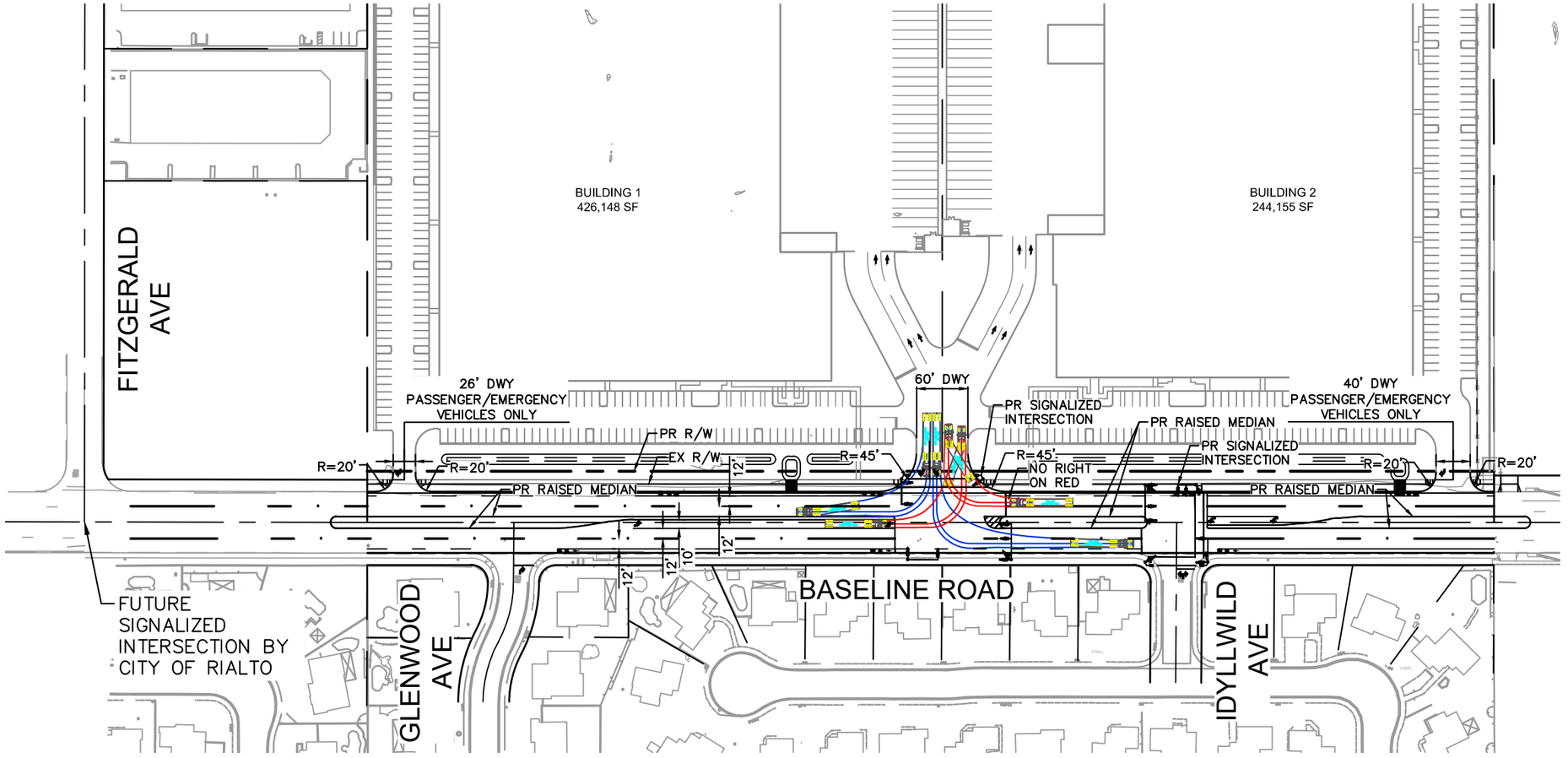
NORTH

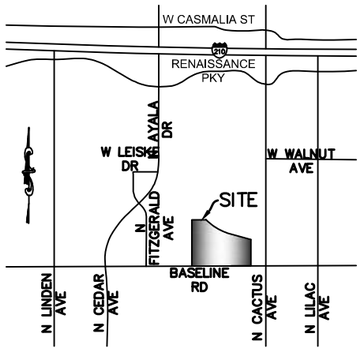
GRAPHIC SCALE IN FEET
0 25 50 100

DATE: July 7, 2021

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - WB67 AUTOTURN - **FIGURE19**
OLIVE GROVE DEVELOPMENT
RIALTO, CA





VICINITY MAP

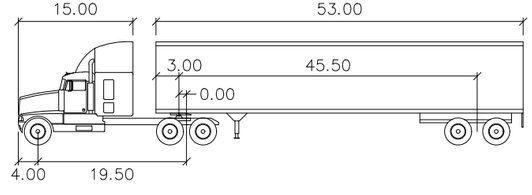
NTS

WB-67: INGRESS AND EGRESS

LEGEND

PROJECT EGRESS

PROJECT INGRESS



WB-67

feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

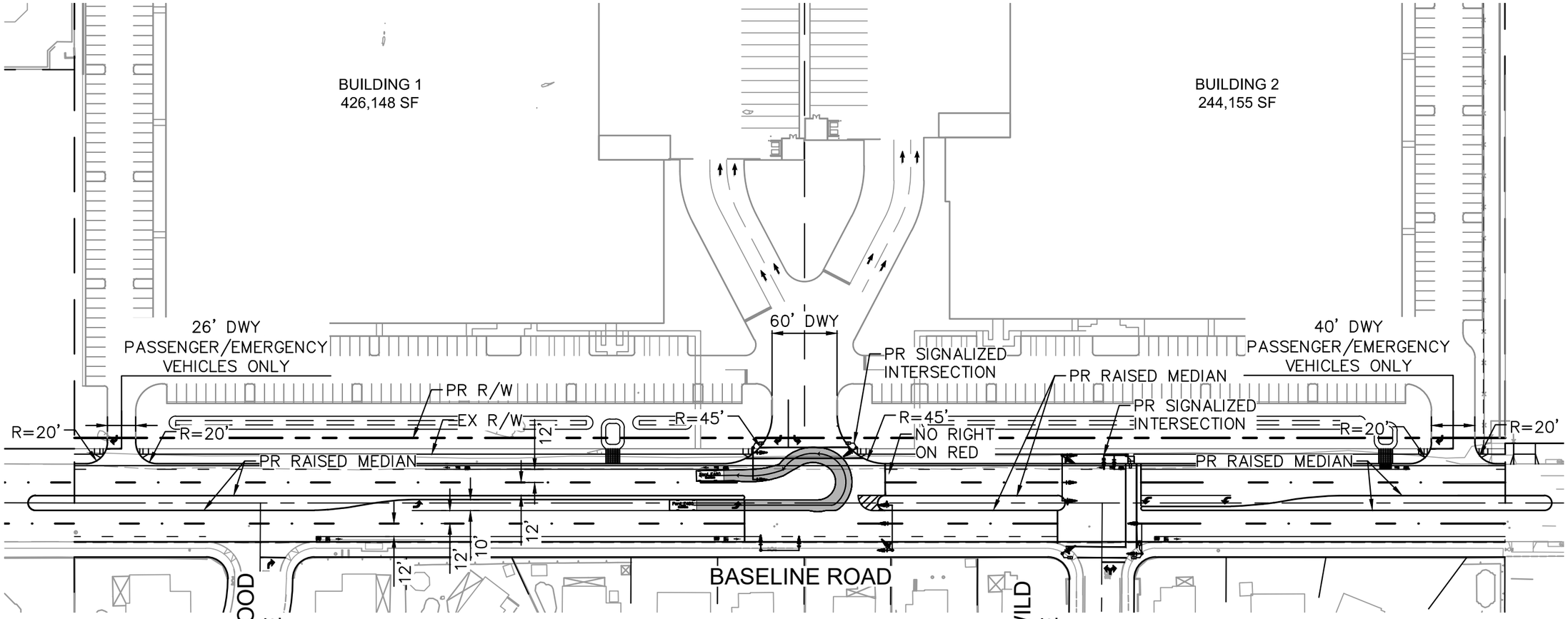
NORTH

GRAPHIC SCALE IN FEET
0 38 75 150

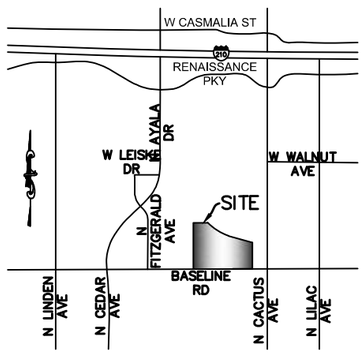
DATE: July 7, 2021

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - WB67 AUTOTURN - **FIGURE 20**
OLIVE GROVE DEVELOPMENT
RIALTO, CA

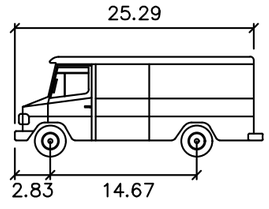


E450: U-TURN



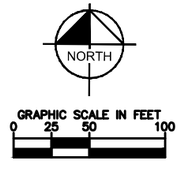
VICINITY MAP

NTS



Ford E450

	feet
Width	: 9.75
Track	: 9.75
Lock to Lock Time	: 6.0
Steering Angle	: 34.3



DATE: July 7, 2021

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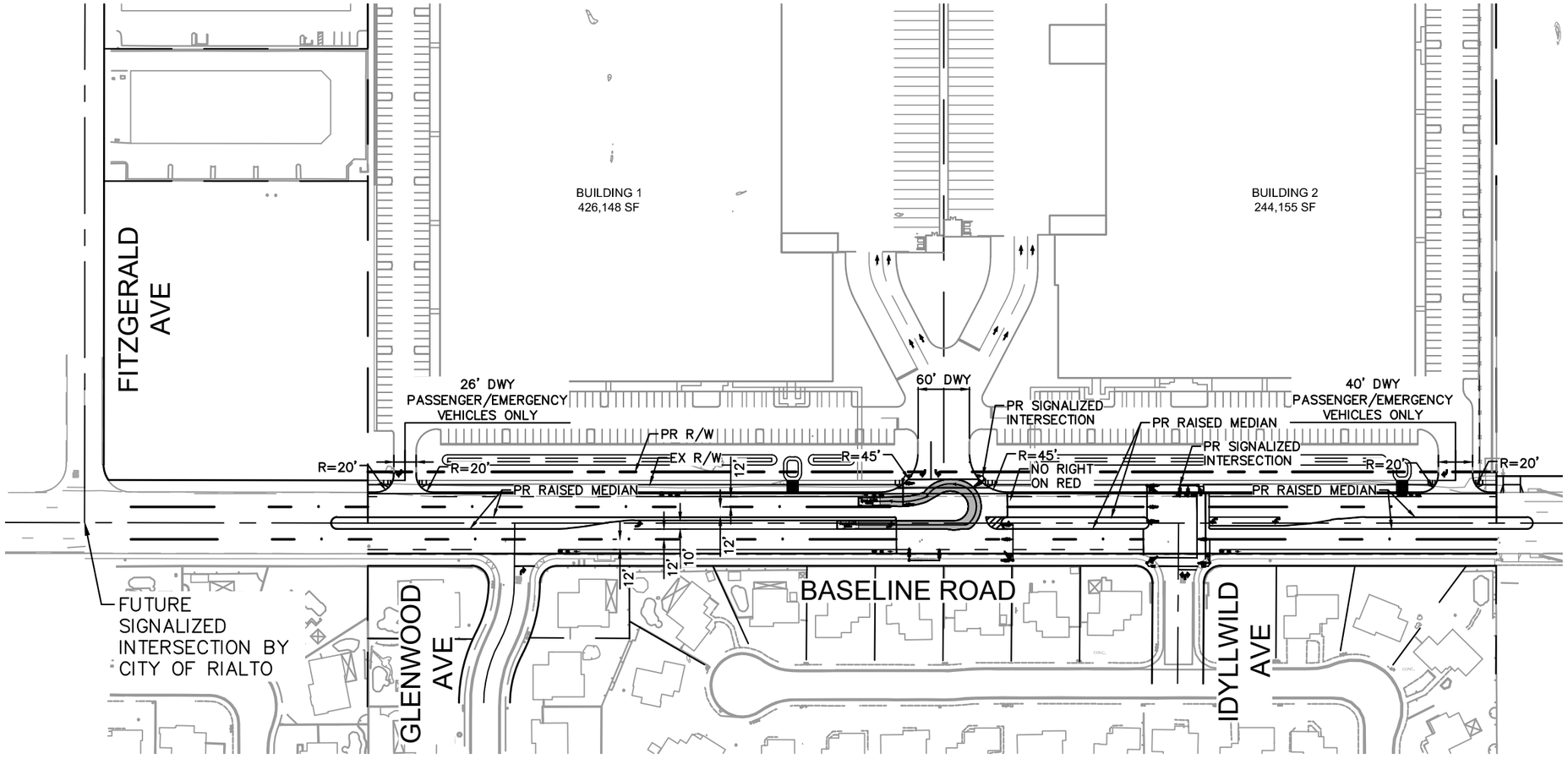
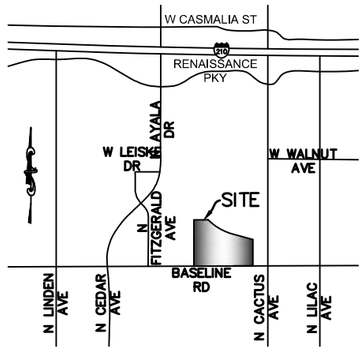
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - E450 AUTOTURN - **FIGURE 21**
OLIVE GROVE DEVELOPMENT
RIALTO, CA

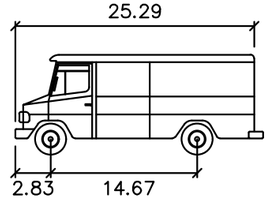


E450: U-TURN



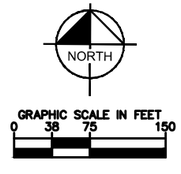
VICINITY MAP

NTS



Ford E450

	feet
Width	: 9.75
Track	: 9.75
Lock to Lock Time	: 6.0
Steering Angle	: 34.3



DATE: July 7, 2021

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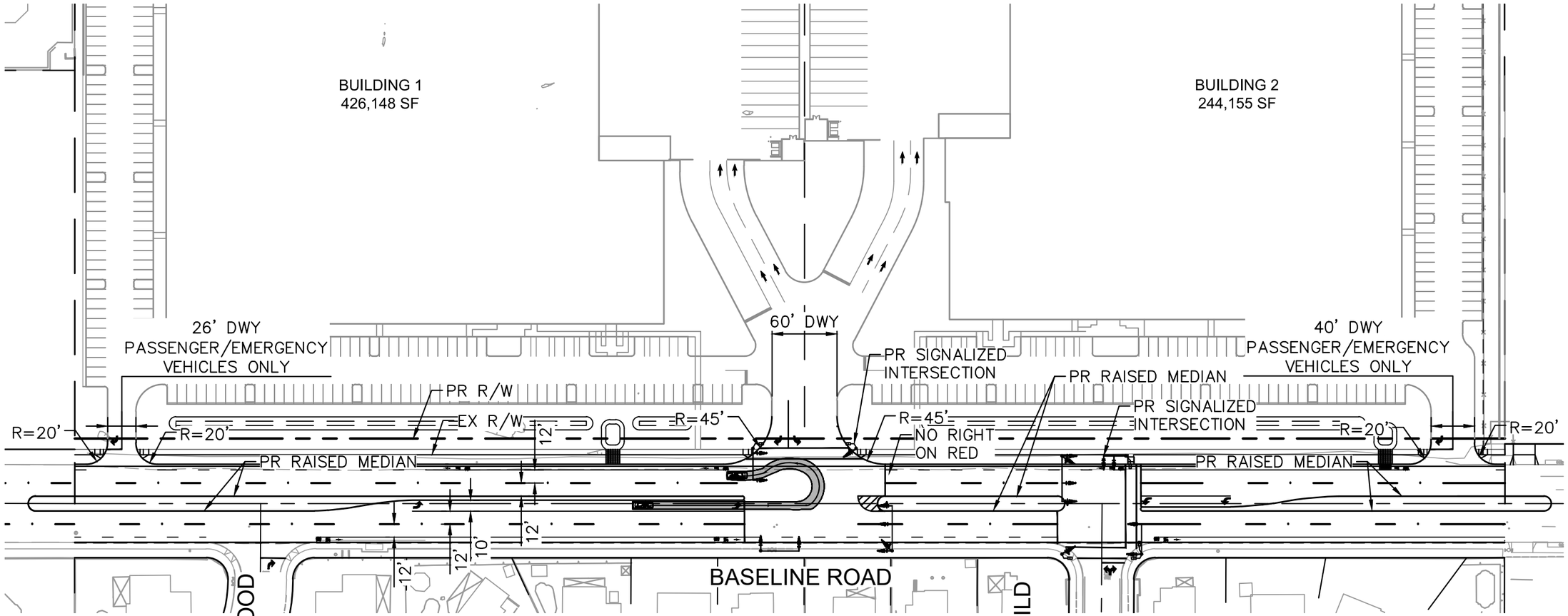
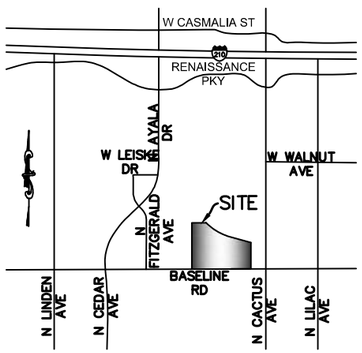
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - E450 AUTOTURN - **FIGURE 22**
OLIVE GROVE DEVELOPMENT
RIALTO, CA

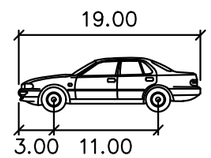


PASSENGER CAR: U-TURN



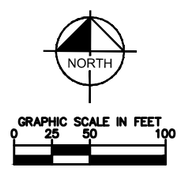
VICINITY MAP

NTS



Passenger Car

	feet
Width	: 7.00
Track	: 6.00
Lock to Lock Time	: 6.0
Steering Angle	: 31.6



DATE: July 7, 2021

Kimley»Horn
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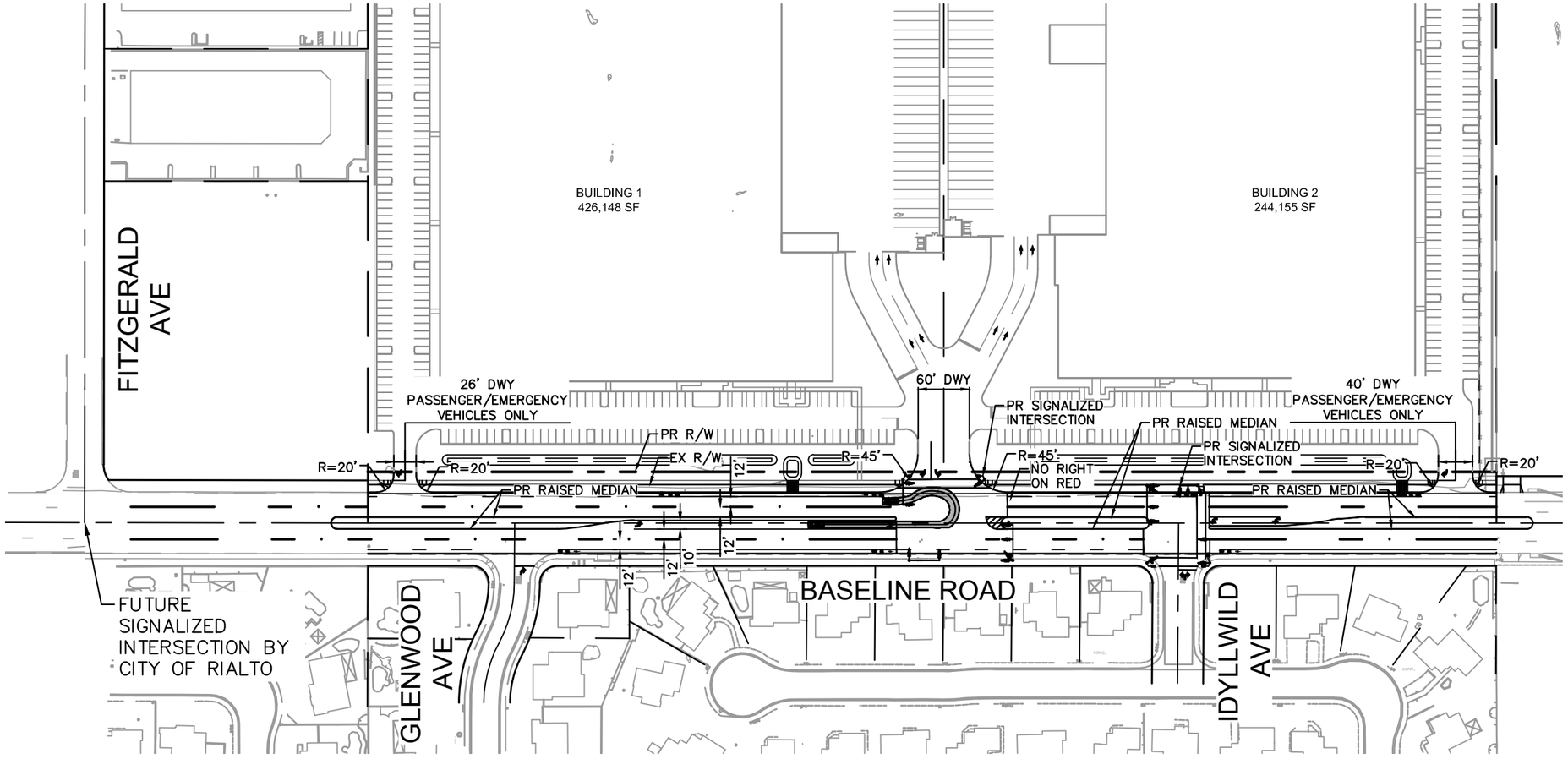
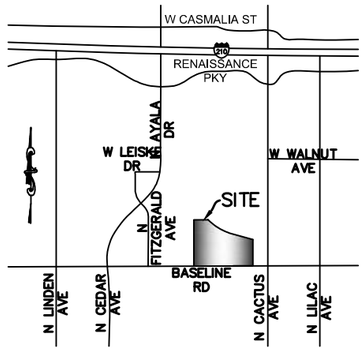
WWW.KIMLEY-HORN.COM

BASELINE ROAD - PASSENGER CAR AUTOTURN - **FIGURE 23**
OLIVE GROVE DEVELOPMENT
RIALTO, CA

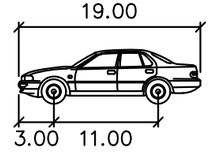


PASSENGER CAR: U-TURN



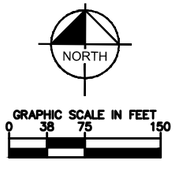
VICINITY MAP

NTS



Passenger Car

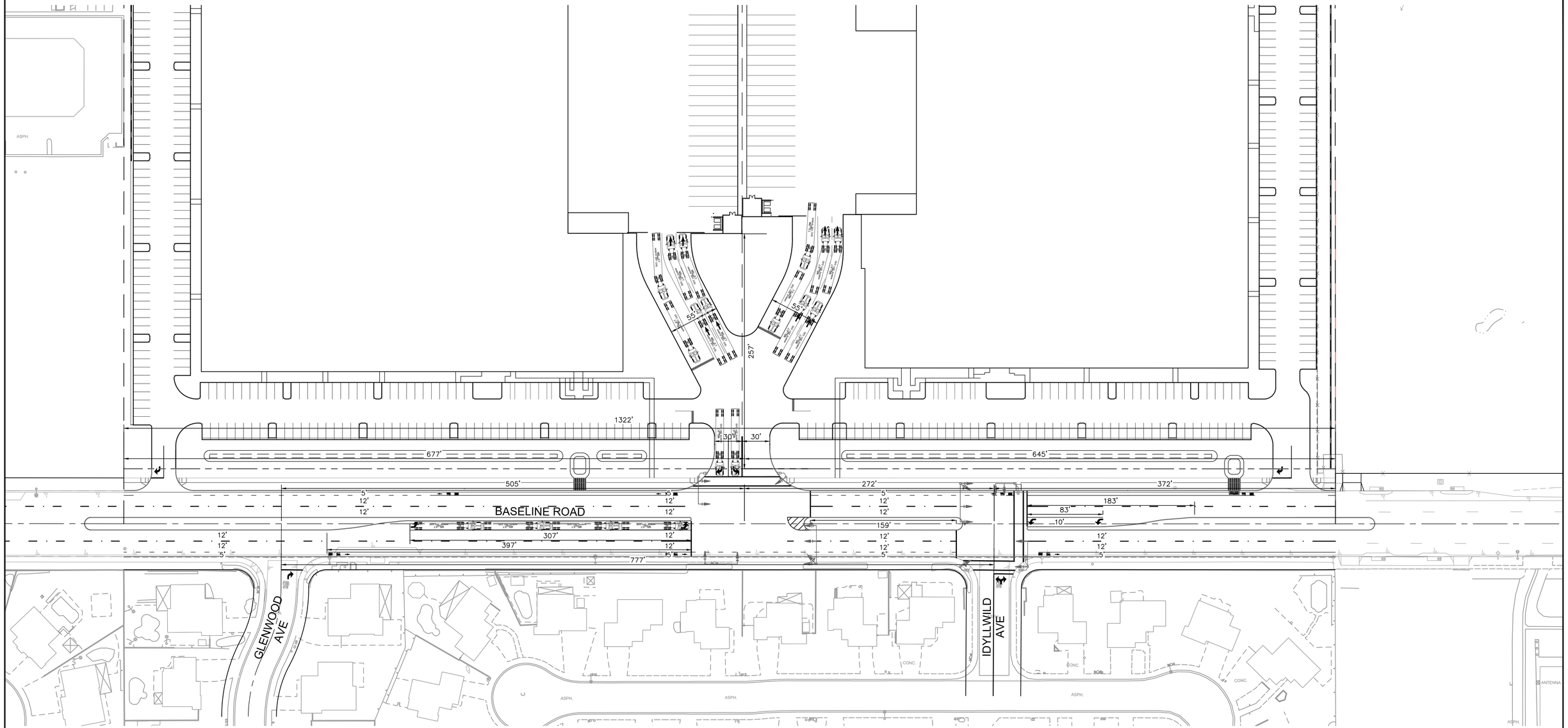
	feet
Width	: 7.00
Track	: 6.00
Lock to Lock Time	: 6.0
Steering Angle	: 31.6



DATE: July 7, 2021

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - PASSENGER CAR AUTOTURN - **FIGURE 24**
OLIVE GROVE DEVELOPMENT
RIALTO, CA



NORTH

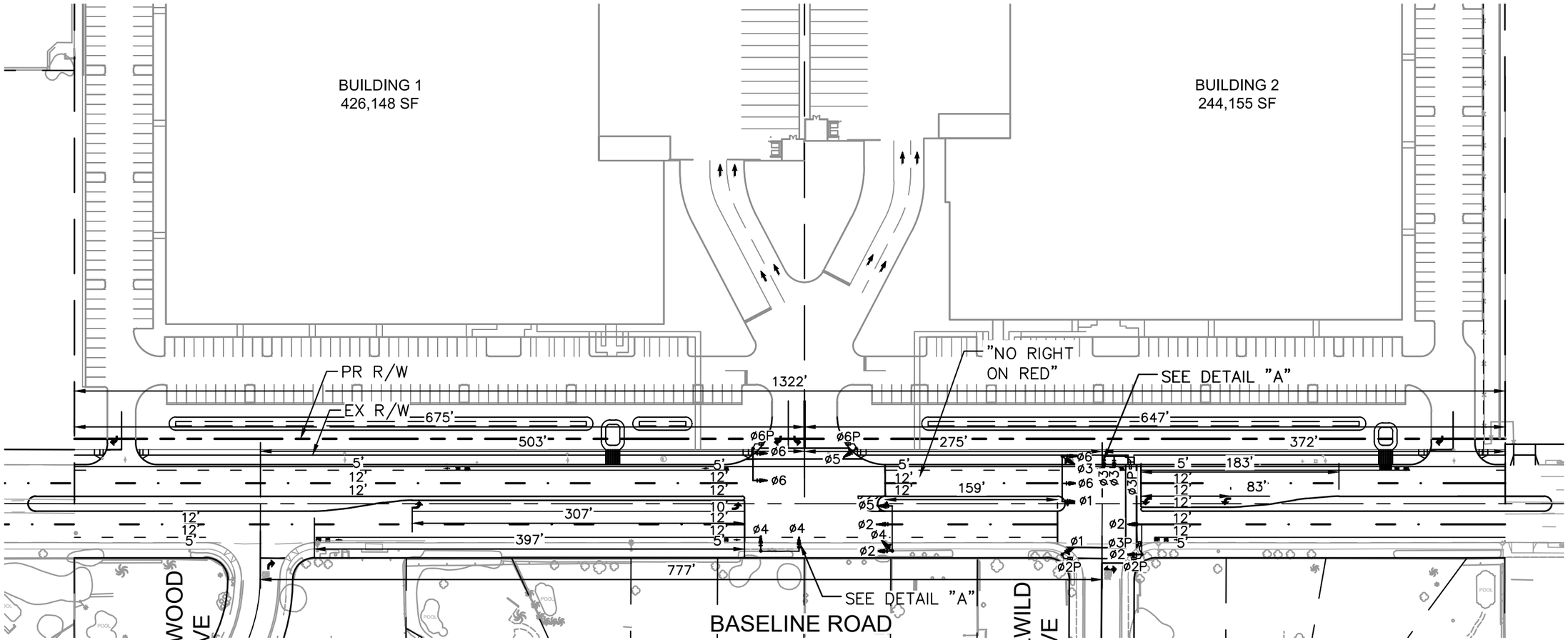
GRAPHIC SCALE IN FEET
0 25 50 100

DATE: July 7, 2021

Kimley»Horn

401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

TRUCK QUEUING - **FIGURE 25**
OLIVE AVENUE DEVELOPMENT
RIALTO, CA



PHASE DIAGRAM

ø1	ø2	ø3	ø4
ø5	ø6	ø7	ø8

ø7: NOT USED

ø8: NOT USED

DETAIL A

NOT TO SCALE

NORTH

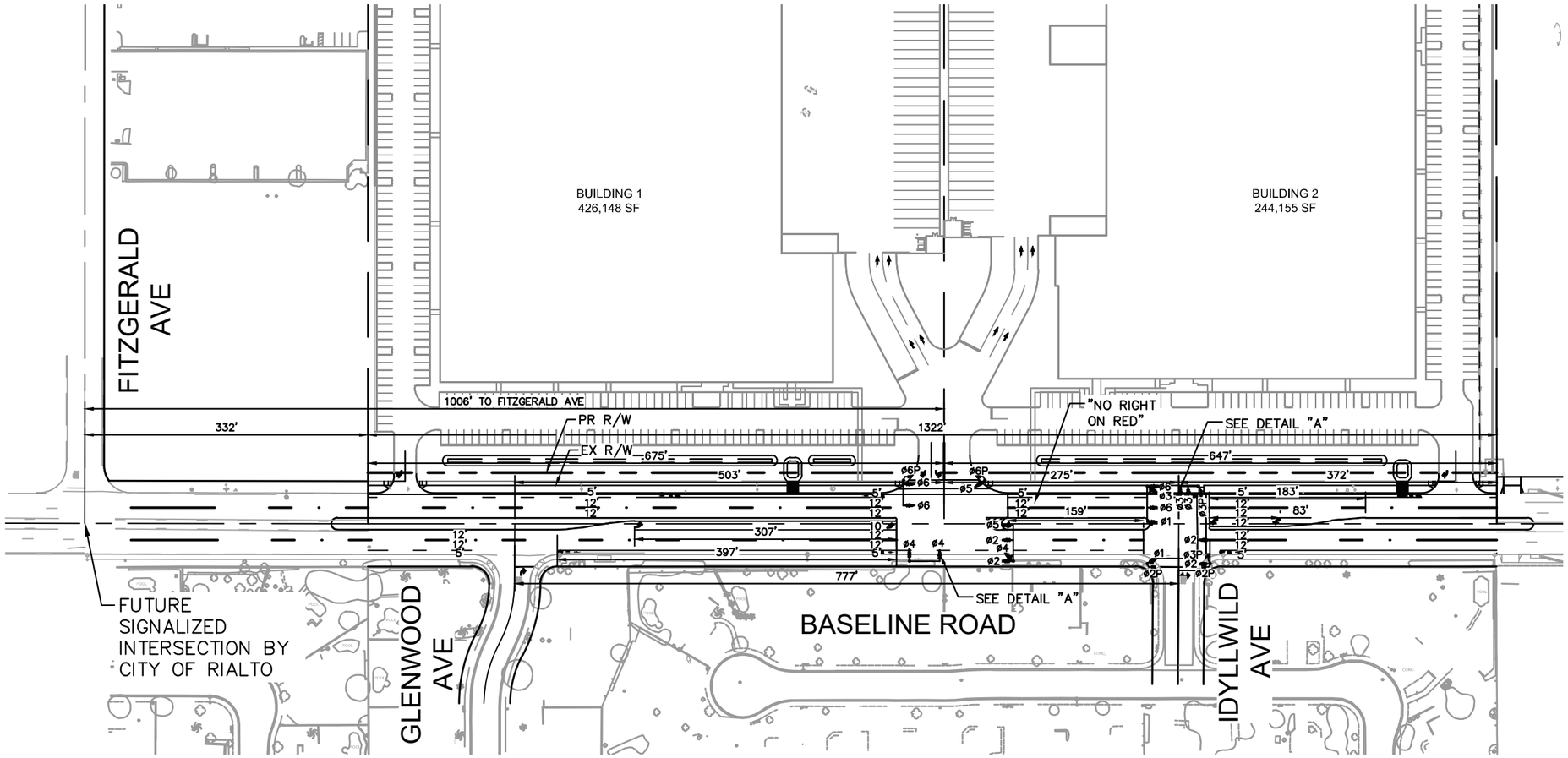
GRAPHIC SCALE IN FEET
0 25 50 100

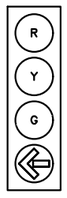
DATE: July 7, 2021

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - TRAFFIC SIGNAL - **FIGURE 26**

OLIVE AVENUE DEVELOPMENT
RIALTO, CA





DETAIL A

NOT TO SCALE

PHASE DIAGRAM

ø1	ø2	ø3	ø4
ø5	ø6	ø7	ø8
		NOT USED	NOT USED

NORTH

GRAPHIC SCALE IN FEET
0 38 75 150

DATE: July 7, 2021

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

BASELINE ROAD - TRAFFIC SIGNAL - **FIGURE 27**

OLIVE AVENUE DEVELOPMENT
RIALTO, CA

J. Vehicle Miles Traveled Analysis

Introduction

Senate Bill (SB) 743 was approved by the California legislature in September 2013. SB 743 requires changes to California Environmental Quality Act (CEQA), specifically directing the Governor's Office of Planning and Research (OPR) to develop alternative metrics to the use of vehicular "level of service" (LOS) for evaluating transportation Projects. OPR has updated guidelines for CEQA and written a technical advisory for evaluating transportation impacts in CEQA and has set a deadline of July 1, 2020 for local agencies to update their CEQA transportation procedures. OPR has recommended that Vehicle Miles Travelled (VMT) replace LOS as the primary measure of transportation impacts. This analysis was prepared to document the VMT analysis for the Olive Avenue Development Project following the OPR Technical Advisory (December 2018) and the San Bernardino County Transportation Authority (SBCTA) Recommended VMT Guidelines .

Vehicle Miles traveled Screening

This section documents Vehicle Miles Traveled (VMT)/ SB 743 considerations for the Project. OPR provides details on appropriate screening thresholds that can be used to identify when a proposed land use Project is anticipated to result in a less than significant impact without conducting a more detailed level analysis. Screening thresholds are broken into the following three steps:

1. Transit Priority Area (TPA) Screening
2. Low VMT Area Screening
3. Low Project Type Screening

A land use project needs only meet one of the above screening thresholds to be presumed to result in not significant impact under CEQA pursuant to SB 743.

Transit Priority Area (TPA) Screening

As described in the OPR Guidelines, projects located within half mile from an existing major transit stop or within half of a mile from an existing stop along a high-quality transit corridor can be screened out. Based on San Bernardino County Transportation Authority (SBCTA) VMT Screening Tool, the project is not located in a Transit Priority Area (TPA). The TPA screening criteria is not met.

Low VMT Area Screening

The Project is not located in a Low VMT (15% below County Average) zone based on SBCTA VMT Screening tool, as shown in **Table 16**.

Table 18– SBCT VMT Screening Tool Results

Threshold Option		Threshold	Project TA	% Above Threshold	Potentially Significant?
PA VMT per Worker		14.5	15.1	4.14%	Yes

As such, the Low VMT Area screening threshold is not met.

Land Use Type Screening

The OPR and SBCTA VMT Guidelines identify that Project types falling under the screening criteria includes the following:

- Local-serving retail less than 50,000 square feet K-12 Schools
- Local-serving K-12 schools
- Local parks
- Day care centers
- Local serving gas stations
- Local serving banks
- Local serving hotels (e.g. non-destination hotels)
- Student housing Projects on or adjacent college campuses
- Local-serving assembly uses, Community Institutions
- Local serving community colleges
- Affordable or supportive housing, Assisted living facilities, Senior housing
- Projects generating less than 110 daily vehicle trips

The Land Use Type Screening criteria is not met.

VMT Thresholds

The City of Rialto is in the process of adopting VMT guidelines and thresholds. Based on discussions with the City's traffic consultant a VMT threshold set to 15% below the baseline County of San Bernardino Home Based Work (HBW) VMT per Employee, consistent with the OPR recommendations has been used for this analysis.

As the Project does not satisfy VMT screening criteria, a VMT analysis has been conducted for the Project based on San Bernardino County Transportation Analysis Model (SBTAM) consistent with the SBCTA VMT guidelines.

For purposes of this VMT assessment the Project's home-based work (HBW) VMT per Employee has been compared to 15% below countywide average VMT, based on data provided by SBCTA. Table 19 shows the calculated VMT thresholds for HBW VMT per Employee:

Table 19 – VMT Impact Thresholds

Threshold Option	Countywide Average	Threshold (15% below)
HBW VMT per Employee	17.1	14.5

VMT Analysis

A logical way to evaluate this type of facility is to consider the major trip purposes of the site in terms of their trip length and frequency. Given the description, three types of trips were broadly considered for this development given its context: (1) employee commute trips; (2) other trips related to functioning of the business and/or its employees and (3) truck trips related to shipping activities. The following discussion is provided regarding these three broad trip types.

Employee commute trips. These are the primary automobile trips associated with employment generating uses such as the proposed Project. This facility is expected to provide additional jobs and some related trips to the area. The efficiency of VMT associated with employee commute trips has been assessed based on SBTAM.

Other trips. These are often the smallest number and shortest distance of trips for a facility like this and include a broad range of trip types, such as, employee lunches off-site, maintenance teams for on-site infrastructure, office supply deliveries, etc. As such their impact to the overall VMT of the site is likely minimal. As such it is not likely that they are impactful to the local transportation system and are secondary to the other two trip types discussed.

Truck trips related to shipping activities. CEQA Guidelines Section 15064.3, subdivision (a) states "For the purposes of this section 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project." The OPR's 2018 Technical Advisory indicates that, although heavy vehicle traffic can be included for analysis convenience, the provided analysis requirements are specific to passenger-vehicles and light duty trucks. While it may be appropriate to consider heavy vehicle traffic if directed by the lead agency, it is generally understood that Interstate commerce and related heavy vehicle traffic are regulated by the federal government as it relates to commerce. Irrespective of this and considering that the end-user of this facility is unknown at this time (so the nature of the business enterprise and its probably origins and destinations are unknown), it is reasonable to assume that the ultimate end user will select this location, at least in part, as to how it effects their transportation costs. Most often businesses who have shipping as a significant part of their operations are sensitive to transportation costs and their relative proximity to customers and suppliers. Accordingly, it is reasonable to assume that industrial buildings are often located in a manner to reduce VMT given that it is the interest of the business. It is also recognized that the Project would generate Heavy Duty Truck (HDT) traffic and has been considered in this VMT assessment. For consistency with other CEQA technical studies, HDT VMT identified in this analysis will be reflected in other applicable technical studies (e.g. Air Quality Impact Analysis, Greenhouse Gas Analysis, etc.).

Project VMT

The calculation of vehicle miles traveled has two components – the total number of trips generated and the average trip length of each vehicle. SBTAM is a useful tool to estimate VMT as it considers interaction between different land uses based on socio-economic data such as population, households and employment. Project VMT was calculated using the most current version of SBTAM. Adjustments in socio-economic data (households, population and employment) were made to the appropriate traffic analysis zone (TAZ) within the SBTAM model to reflect the Project's proposed land use.

Project Home-Based Work (HBW) VMT per Employee

The home-based work (HBW) VMT per employee is the HBW attraction VMT divided by the number of employees derived from the SBTAM model. The HBW VMT per Employee is used to measure efficiency of VMT generated by employment-based uses. The Project HBW VMT per Employee calculated based on SBTAM is 17.04.

Heavy Truck VMT

Consistent with air quality and greenhouse gas analyses, the average trip length for heavy trucks were based on the data provided in Forecasting Metropolitan Commercial and Freight Travel (NCHRP Synthesis 384, Transportation Research Board, 2008) document. The document cites average internal trip lengths of 5.92 miles for light truck, 13.06 for medium truck, and 24.11 for heavy trucks. As a conservative measure, a trip length of 25 miles has been utilized for all trucks multiplied by the daily truck trips (473) estimated in this TIS based on Institute of Transportation Engineer (ITE) trip rates, resulting in a heavy truck daily VMT of 11,825.

Potential Impacts

As shown in Table 20, the Project's HBW VMT per Employee would not meet the 15% below countywide average threshold. As such, the Project's transportation impact is potentially significant based on the OPR recommended thresholds.

Table 20 – VMT Impact Evaluation

Threshold Option	Threshold	Project	Change in VMT	Potentially Significant?
HBW VMT Employee	14.5	17.04	+2.54 (14.9%)	Yes

Mitigation

The following choices are available to the applicant:

- Modify the Project's built environment characteristics to reduce VMT generated by the Project.
- Participate in a VMT fee program and/or VMT mitigation exchange/banking program (if they exist) to reduce VMT from the Project or other land uses to achieve acceptable

levels.

The following mitigation measures require the preparation of a TDM program for the Project, which would include but not be limited to the following:

- Provide a transportation information center and on-site TDM coordinator to educate residents, employers, employees, and visitors of surrounding transportation options;
- Promote bicycling and walking through design features such as showers for employees, self-service bicycle repair area, etc. around the project site;
- Provide on-site car share amenities for employees who make only occasional use of a vehicle, as well as others who would like occasional access to a vehicle of a different type than they use day-to-day;
- Incorporate incentives for using alternative travel modes, such as preferential load/unload areas or convenient designated parking spaces for carpool/vanpool users.

Transportation demand management (TDM) strategies have been evaluated for reducing VMT impacts determined to be potentially significant. Given the jurisdiction's suburban land use context, the following key strategies may be considered for the Project:

- Provide pedestrian network improvements (potential VMT reduction 0.5% - 5.7%)
- Provide traffic calming measures (potential VMT reduction 0.25% - 1%)
- Build low-stress bicycle network (potential VMT reduction 0%-1.7%)
- Provide ride-share programs. (potential VMT reduction 2.5%-8.3%)
- Implement subsidized or discounted transit program (potential VMT reduction 0.3% - 20%)

The Rialto Active Transportation Plan show Ayala Drive and Cactus Avenue as existing Class II Bike lanes and Baseline Road as a proposed Class II/III bike lane/route. Baseline Road does not contain any current bicycle facilities. Pedestrian sidewalks are located on the south side of Baseline Road. The Project would construct pedestrian sidewalks along Project frontage on Baseline Road. The Project site is accessible by transit via OmniTrans bus Route 10, which has stops on Baseline Road adjacent to the Project site.

The effectiveness of the above-noted TDM measures would be dependent on the ultimate building tenant(s), which are unknown at this time. Beyond Project design and tenancy considerations, land use context is a major factor relevant to the potential application and effectiveness of TDM measures. More specifically, the land use context of the Project is characteristically suburban. Of itself, the Project's suburban context acts to reduce the range of feasible TDM measures and their potential effectiveness.

Based on available research, for projects located within a suburban context, a maximum 10% reduction in VMT is achievable when combining multiple mitigation strategies. Due to limitations of project-level approaches to reducing VMT, the City or region may consider larger mitigation programs such as VMT mitigation banks and exchanges. VMT mitigation banks and exchanges have not yet been developed or tested in the region. SBCTA is undertaking a study to evaluate the feasibility of a VMT mitigation bank or exchange in order to assist lead agencies in implementing SB 743.

Conclusion

The Project's transportation impact based on VMT is potentially significant based on the OPR recommended thresholds. As the efficacy of TDM measures and reduction of VMT impacts below thresholds cannot be assured, Project's VMT impact is therefore considered significant and unavoidable.

APPENDIX A

APPROVED SCOPING AGREEMENT

Exhibit B

SCOPING AGREEMENT FOR TRAFFIC IMPACT ANALYSIS

This following form shall be used to acknowledge preliminary approval of the scope for the traffic impact analysis (TIA) of the following project. The TIA must follow the City of Rialto Traffic Impact Analysis – Report Guidelines and Requirements, adopted by the City Council on _____.

See additional notes in scoping agreement

City of Rialto

Traffic Impact Analysis

Scoping Agreement

Case No. _____

Related Cases -

SP No. _____

EIR No. _____

GPA No. _____

ZC No. _____

Project Name: Olive Grove Business Park Project – ***See Attachment 1 – Site Plan***

Project Address: North side of Baseline Road, approximately 350 feet east of Fitzgerald Avenue, approximately 1,300 feet west of Cactus Avenue

Project Description: 654,377 SF Warehouse

	Consultant	Developer
Name:	Kimley-Horn and Associates, Inc.	Oakmont Rialto Olive Grove, LLC
Address:	765 The City Drive # 200	101 California Street, Suite 4000
	Orange, CA 92868	San Francisco, CA 94111
Telephone:	(714) 939-1030	_____
Fax:	NA	NA

Immediately outside Renaissance Specific Plan area. Using trip rate approximately 1/2 what would be required in Renaissance and not subject to Renaissance Traffic.

1. Trip Generation Source: ITE *Trip Generation Manual*, 10th Edition (2017)

Existing GP Land Use Business Park

Proposed Land Use Warehouse (ITE 150)

Current Zoning: Airport-Related Development (I-AR)

Proposed Zoning: N/A

Total Daily Project Trips: 1,910 (with PCE) – ***See Attachment 2 – Trip Generation Table***

	Current Trip Generation			Proposed Trip Generation (with PCE)		
	In	Out	Total	In	Out	Total
AM Trips	NA	NA	NA	144	44	188
PM Trips	NA	NA	NA	55	152	207

Internal Trip Allowance Yes No X (0 % Trip Discount)

Pass-By Trip Allowance Yes No X (0 % Trip Discount)

(For appropriate land uses, a pass-by trip discount may be allowed not to exceed 25%. Discount trips shall be indicated on a report figure for intersections and access locations.)

2. Trip Geographic Distribution: N % S % E % W %

(Detailed exhibits of trip distribution must be attached with Trucks as a separate exhibit)

See Attachment 3 – Truck and Passenger Car Distribution

3. Background Growth Traffic

Project Completion Year: 2020 Annual Background Growth Rate: 2 %

Other Phase Years NA

Other area projects to be considered: We will request the current Cumulative Projects list from the Planning Department.

(Contact Planning for Lists. Correlate projects to exhibit map and also indicate which projects have been included in study area forecasts for existing + background growth + project + cumulative)

Model/Forecast methodology: Existing plus Growth plus Cum Project plus Project to Opening Year

4. Study Intersections: (NOTE: Subject to revision after other projects, trip generation and distribution are determined, or comments from other agencies received.)

1. Alder Avenue / SR-210 WB Ramp
2. Alder Avenue / SR-210 EB Ramps
3. Alder Avenue / Renaissance Pkwy
4. Alder Avenue / Baseline Road
5. Ayala Drive / SR-210 WB Ramps
6. Ayala Drive / SR-210 EB Ramps
7. Ayala Drive / Renaissance Pkwy
8. Ayala Drive / Fitzgerald Avenue
9. Ayala Drive / Baseline Road
10. Fitzgerald Avenue / Baseline Road
11. Cactus Avenue / Baseline Road
12. Baseline Road / Project Driveways – Three

5. Study Roadway Segments: (NOTE: Subject to revision after other projects, trip generation and distribution are determined, or comments from other agencies received.)

1. Ayala Drive – Renaissance Parkway to Fitzgerald Avenue
2. Ayala Drive – Fitzgerald Avenue to Baseline Road
3. Baseline Road – West of Ayala Drive
4. Baseline Road – Baseline Road to Fitzgerald Avenue
5. Baseline Road – Idyllwild Avenue to Cactus Avenue

6. Other Jurisdictional Impacts

Is this project within any other Agency's Sphere of Influence or within one-mile of another jurisdictional boundary? __X__YES _____NO

If so, name of Jurisdiction: __The City of Fontana, San Bernardino County_____

7. Site Plan (please attach 11" x 17" legible copy) – see ***Attachment 1*** – Site Plan

8. Specific issues to be addressed in the Study (in addition to the standard analysis described in the Guideline) (to be filled out by the City of Rialto Public Works Department) (NOTE: If the traffic study states that "a traffic signal is warranted" (or "a traffic signal appears to be warranted," or similar statement) at an existing un-signalized intersection under existing conditions, 8-hour approach traffic volume information must be submitted in addition to the peak hourly turning movement counts for that intersection.)

9. Existing Conditions

Traffic count data must be new or within one year. Provide traffic count dates if using other than new counts.

Date of counts: New Counts with classification

NOTE: Fees are due and must be submitted with, or prior to submittal of this form. The City will not process the Scoping Agreement prior to the receipt of the processing fee.

Fees Paid: _____ Date _____

Recommended:

Scoping Agreement Submittal date October 9, 2019

Scoping Agreement Resubmittal date _____

Kimley-Horn and Associates, Inc.
Applicant/Engineer Date

Land Use Concurrence:

Development Services Department Date

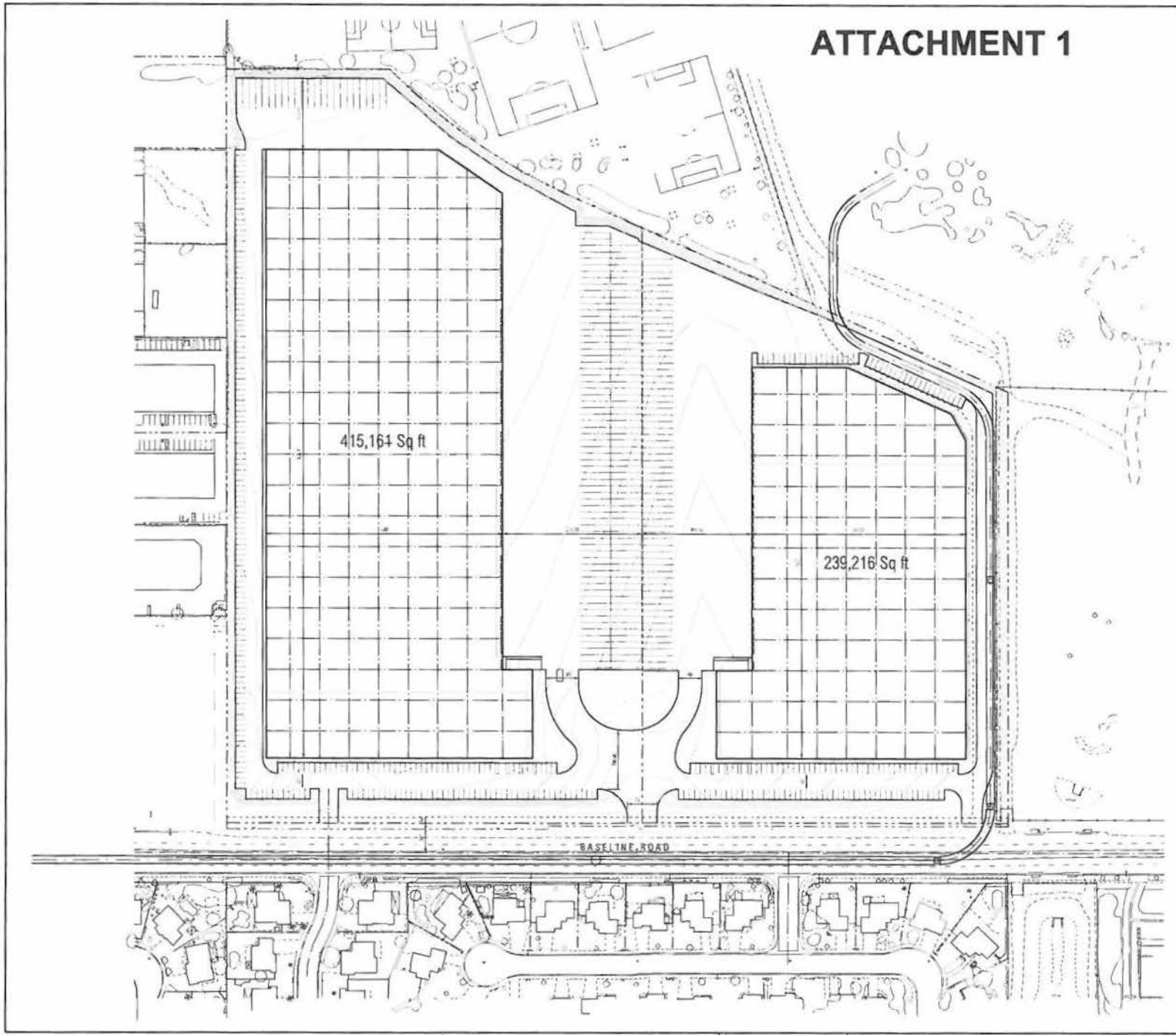
Approved by:

Public Works Department 10/15/2019
Date

NOTE:

The Applicant/Engineer acknowledges that the Scoping Agreement is intended to assist in the preparation of any required TIA. It is preliminary in nature and the City does not have sufficient data to determine the ultimate conditions that may be imposed for the project. It does not provide nor limit the requirements imposed on the Project but is intended only to provide initial input into the parameters for review of the traffic generated by the Project and the initial areas to be considered and studied. Subsequent changes to scope of required analysis to be included in the TIA may be required by the Transportation Commission, Planning Commission, and/or the City Council upon Public Works Director/City Engineer review and approval.

ATTACHMENT 1



RGA
Office of Architectural Design

PROJECT TITLE
PROJECT TITLE

PROJECT ADDRESS
CITY, STATE

OWNER NAME
EMAIL

SHEET TITLE

A1-1

This shows 3 driveways but attachment 3 shows only 2
Baseline will have median and only breaks will be at street intersections. Central drive will be right in / right out only as will be easterly Dr.

ATTACHMENT 2
TRIP GENERATION ESTIMATES
OLIVE GROVE WAREHOUSE

TRIP GENERATION RATES [1]

ITE Land Use	ITE Code	Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Warehousing	150	KSF	1.740	0.131	0.039	0.170	0.051	0.139	0.190

PROJECT TRIP GENERATION

Project Land Use		Quantity	Unit	Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
Warehousing		654.377	KSF	1,139	86	26	112	33	91	124
Passenger Vehicles	60.00%			683	52	16	68	20	55	75
Trucks	40.00%			456	34	10	44	13	36	49

PROJECT TRIPS - PASSENGER CAR EQUIVALENTS (PCE)

Vehicle Type	Vehicle Mix [2]	Daily Vehicles	PCE Factor	Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
Passenger Vehicles	60.0%	683	1.0	683	52	16	68	20	55	75
2-Axle Trucks	0.8%	9	1.5	14	1	0	1	0	1	1
3-Axle Trucks	11.2%	128	2.0	256	19	6	25	7	20	27
4+ Axle Trucks	28.0%	319	3.0	957	72	22	94	28	76	104
Total Truck PCE Trips				1,227	92	28	120	35	97	132
Total Project PCE Trips				**1,910**	**144**	**44**	**188**	**55**	**152**	**207**

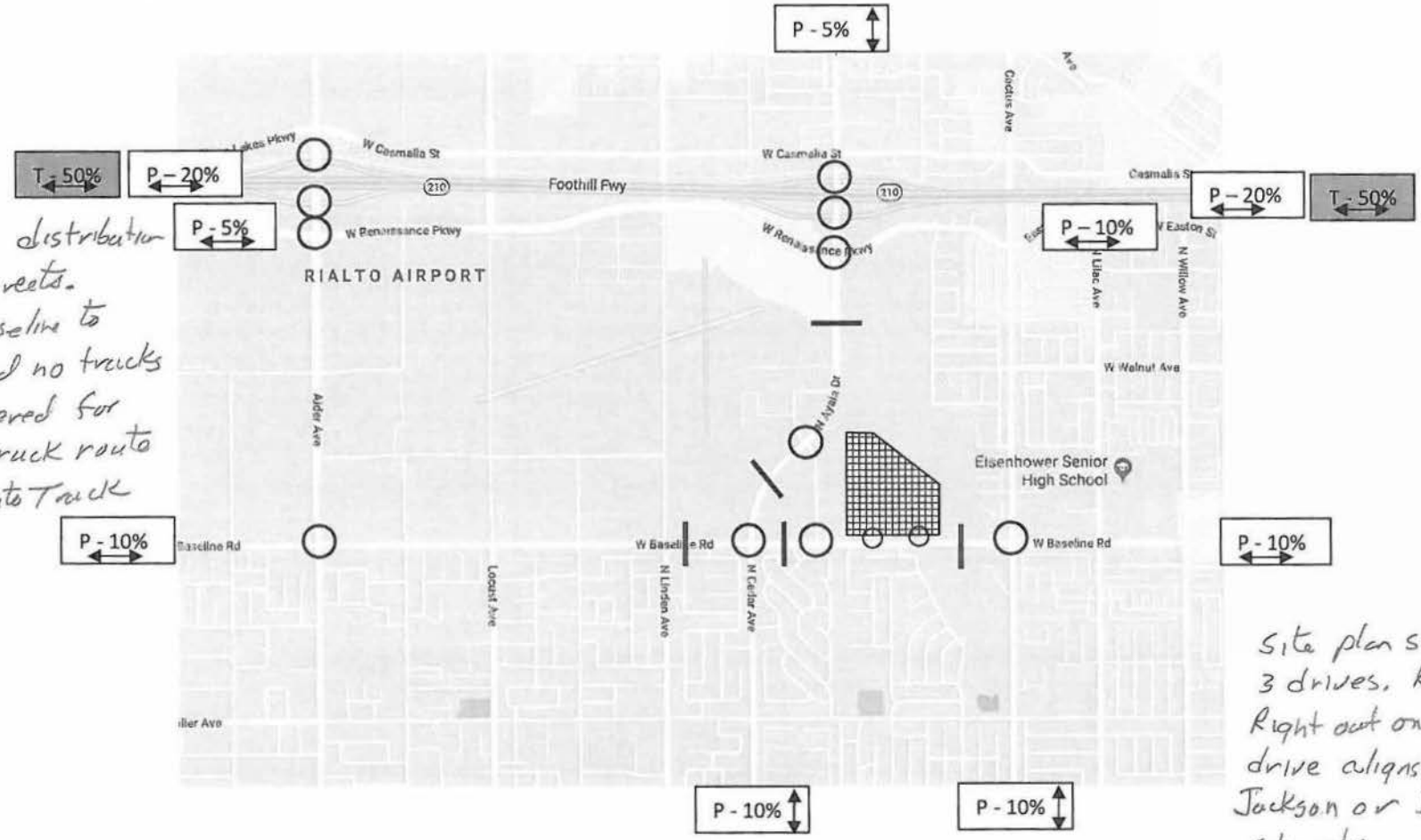
[1] Source: Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition

[2] Source: City of Rialto Traffic Impact Analysis Report Guidelines and Requirements, December, 2013

PCE = Passenger Car Equivalent

KSF = Thousand Square Feet

ATTACHMENT 3
OLIVE GROVE WAREHOUSE – TRIP DISTRIBUTION



show truck distribution onto Rialto Streets. Ayala from Baseline to SR-210 is posted no trucks and being considered for removal from truck route do not distribute Truck along Ayala

Site plan shows 3 drives. Right in - Right out only unless drive aligns with Jackson or Idyllwild streets

PROJECT SITE
STUDY INTERSECTION
SITE ACCESS
STUDY ROADWAY SEGMENT
P - XX% PASSENGER CAR DISTRIBUTION
T - XX% TRUCK DISTRIBUTION

APPENDIX **B**

TRAFFIC COUNT DATA SHEETS

Prepared by National Data & Surveying Services

N Alder Ave & SR-210 WB Ramps

Peak Hour Turning Movement Count

ID: 19-06091-001
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

07:00 AM - 09:00 AM
NONE
04:00 PM - 06:00 PM

N Alder Ave — SOUTHBOUND

AM	290	131	0	0	437	AM
NOON	0	0	0	0	0	NOON
PM	278	248	0	0	439	PM

0 2 0 0

SR-210 WB Ramps — EASTBOUND

AM	NOON	PM		
498	0	640	⇦	
0	0	0	↶	0
0	0	0	↱	0
0	0	0	→	0
0	0	0	↷	0
AM	NOON	PM		

CONTROL

Signalized

TEV	1292 AM	0 NOON	1542 PM
PHF	0.93		0.96

WESTBOUND — SR-210 WB Ramps

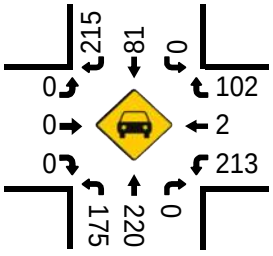
PM	NOON	AM		
109	0	154	↰	0.5
5	0	2	←	0.5
215	0	225	↰	1
0	0	0	↶	0
0	0	0	⇨	
PM	NOON	AM		

0 1 2 0

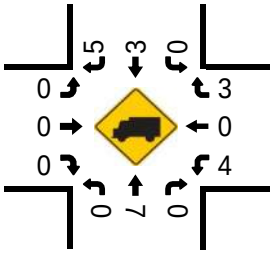
N Alder Ave — NORTHBOUND

PM	463	0	357	330	0	PM
NOON	0	0	0	0	0	NOON
AM	357	1	206	283	0	AM

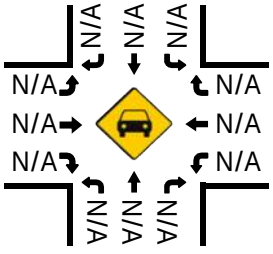
Cars (AM)



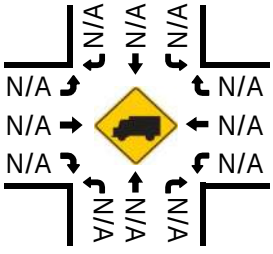
2axle (AM)



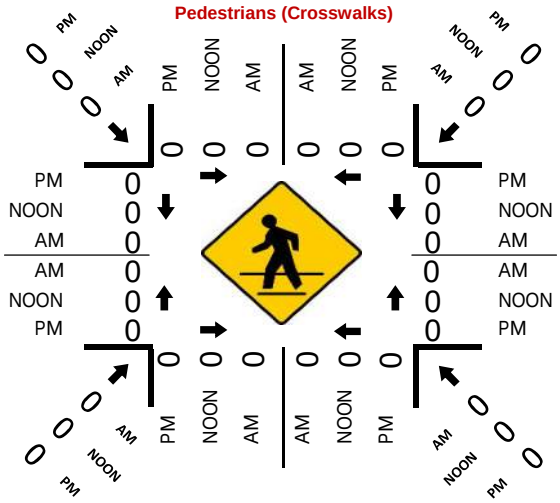
Cars (NOON)



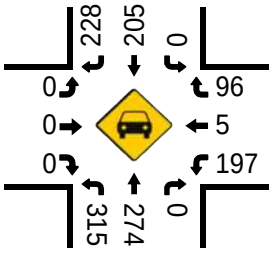
2axle (NOON)



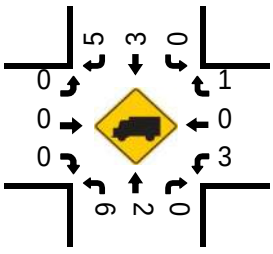
Pedestrians (Crosswalks)



Cars (PM)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-001
Date: 5/23/2019

Total

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	62	75	0	1	0	27	76	0	0	0	0	0	46	0	20	0	307
7:15 AM	41	63	0	0	0	32	86	0	0	0	0	0	54	0	33	0	309
7:30 AM	57	67	0	0	0	37	66	0	0	0	0	0	64	1	38	0	330
7:45 AM	46	78	0	0	0	35	62	0	0	0	0	0	61	1	63	0	346
8:00 AM	51	56	0	0	0	38	57	0	0	0	0	0	35	2	30	0	269
8:15 AM	64	58	0	0	0	31	64	0	0	0	0	0	33	0	25	0	275
8:30 AM	65	50	0	0	0	36	52	0	0	0	0	0	58	1	34	0	296
8:45 AM	59	66	0	0	0	34	37	0	0	0	0	0	38	0	32	0	266
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	445	513	0	1	0	270	500	0	0	0	0	0	389	5	275	0	2398
APPROACH %'s :	46.40%	53.49%	0.00%	0.10%	0.00%	35.06%	64.94%	0.00%					58.15%	0.75%	41.11%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	206	283	0	1	0	131	290	0	0	0	0	0	225	2	154	0	1292
PEAK HR FACTOR :	0.831	0.907	0.000	0.250	0.000	0.885	0.843	0.000	0.000	0.000	0.000	0.000	0.879	0.500	0.611	0.000	0.934
	0.888				0.892								0.762				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	80	85	0	0	0	54	64	0	0	0	0	0	59	1	29	0	372
4:15 PM	95	93	0	0	0	52	72	0	0	0	0	0	58	1	29	0	400
4:30 PM	105	72	0	0	0	74	76	0	0	0	0	0	46	2	23	0	398
4:45 PM	77	80	0	0	0	68	66	0	0	0	0	0	52	1	28	0	372
5:00 PM	91	80	0	0	0	63	70	0	0	0	0	0	44	2	21	0	371
5:15 PM	77	75	0	0	0	45	49	0	0	0	0	0	61	2	20	0	329
5:30 PM	82	75	0	0	0	67	55	0	0	0	0	0	72	1	17	0	369
5:45 PM	75	63	0	0	0	43	56	0	0	0	0	0	68	1	23	0	329
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	682	623	0	0	0	466	508	0	0	0	0	0	460	11	190	0	2940
APPROACH %'s :	52.26%	47.74%	0.00%	0.00%	0.00%	47.84%	52.16%	0.00%					69.59%	1.66%	28.74%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	357	330	0	0	0	248	278	0	0	0	0	0	215	5	109	0	1542
PEAK HR FACTOR :	0.850	0.887	0.000	0.000	0.000	0.838	0.914	0.000	0.000	0.000	0.000	0.000	0.911	0.625	0.940	0.000	0.964
	0.914				0.877								0.924				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-001
Date: 5/23/2019

Cars

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	55	65	0	1	0	15	57	0	0	0	0	0	44	0	8	0	245
7:15 AM	34	45	0	0	0	16	66	0	0	0	0	0	52	0	22	0	235
7:30 AM	48	54	0	0	0	23	46	0	0	0	0	0	60	1	24	0	256
7:45 AM	38	56	0	0	0	27	46	0	0	0	0	0	57	1	48	0	273
8:00 AM	46	38	0	0	0	21	35	0	0	0	0	0	33	2	17	0	192
8:15 AM	54	37	0	0	0	18	41	0	0	0	0	0	29	0	11	0	190
8:30 AM	58	28	0	0	0	24	34	0	0	0	0	0	51	1	16	0	212
8:45 AM	42	36	0	0	0	20	21	0	0	0	0	0	36	0	17	0	172
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	375	359	0	1	0	164	346	0	0	0	0	0	362	5	163	0	1775
APPROACH %'s :	51.02%	48.84%	0.00%	0.14%	0.00%	32.16%	67.84%	0.00%					68.30%	0.94%	30.75%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	175	220	0	1	0	81	215	0	0	0	0	0	213	2	102	0	1009
PEAK HR FACTOR :	0.80	0.846	0.000	0.250	0.000	0.750	0.814	0.000	0.000	0.000	0.000	0.000	0.888	0.500	0.531	0.000	0.924
	0.818				0.902								0.748				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	68	65	0	0	0	48	52	0	0	0	0	0	53	1	24	0	311
4:15 PM	84	77	0	0	0	45	62	0	0	0	0	0	51	1	26	0	346
4:30 PM	93	59	0	0	0	61	67	0	0	0	0	0	42	2	19	0	343
4:45 PM	70	73	0	0	0	51	47	0	0	0	0	0	51	1	27	0	320
5:00 PM	83	72	0	0	0	58	55	0	0	0	0	0	41	2	20	0	331
5:15 PM	69	61	0	0	0	43	42	0	0	0	0	0	60	2	18	0	295
5:30 PM	78	66	0	0	0	64	47	0	0	0	0	0	68	1	15	0	339
5:45 PM	68	59	0	0	0	39	51	0	0	0	0	0	63	1	21	0	302
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	613	532	0	0	0	409	423	0	0	0	0	0	429	11	170	0	2587
APPROACH %'s :	53.54%	46.46%	0.00%	0.00%	0.00%	49.16%	50.84%	0.00%					70.33%	1.80%	27.87%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	315	274	0	0	0	205	228	0	0	0	0	0	197	5	96	0	1320
PEAK HR FACTOR :	0.85	0.890	0.000	0.000	0.000	0.840	0.851	0.000	0.000	0.000	0.000	0.000	0.929	0.625	0.889	0.000	0.954
	0.915				0.846								0.943				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-001
Date: 5/23/2019

2axle

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	2	0	0	0	1	3	0	0	0	0	0	0	0	0	0	6
7:15 AM	0	2	0	0	0	1	1	0	0	0	0	0	0	0	1	0	5
7:30 AM	0	1	0	0	0	1	1	0	0	0	0	0	2	0	1	0	6
7:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	2	0	1	0	5
8:00 AM	1	0	0	0	0	2	2	0	0	0	0	0	1	0	0	0	6
8:15 AM	2	1	0	0	0	0	3	0	0	0	0	0	0	0	2	0	8
8:30 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	5
8:45 AM	2	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	5	11	0	0	0	5	12	0	0	0	0	0	6	0	8	0	47
APPROACH %'s :	31.25%	68.75%	0.00%	0.00%	0.00%	29.41%	70.59%	0.00%					42.86%	0.00%	57.14%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	7	0	0	0	3	5	0	0	0	0	0	4	0	3	0	22
PEAK HR FACTOR :	0.000	0.875	0.000	0.000	0.000	0.750	0.417	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.750	0.000	0.917
	0.875				0.500								0.583				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	2	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	6
4:15 PM	1	0	0	0	0	0	2	0	0	0	0	0	1	0	1	0	5
4:30 PM	2	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	6
4:45 PM	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3
5:00 PM	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
5:15 PM	0	3	0	0	0	2	1	0	0	0	0	0	0	0	0	0	6
5:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	1	0	1	0	4
5:45 PM	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	8	9	0	0	0	7	7	0	0	0	0	0	6	0	2	0	39
APPROACH %'s :	47.06%	52.94%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%					75.00%	0.00%	25.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	6	2	0	0	0	3	5	0	0	0	0	0	3	0	1	0	20
PEAK HR FACTOR :	0.75	0.500	0.000	0.000	0.000	0.375	0.625	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.250	0.000	0.833
	0.667				1.000								0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-001
Date: 5/23/2019

3axle

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	2	0	0	0	1	3	0	0	0	0	0	0	0	0	0	7
7:15 AM	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	5
7:30 AM	1	1	0	0	0	1	1	0	0	0	0	0	1	0	1	0	6
7:45 AM	1	7	0	0	0	0	3	0	0	0	0	0	0	0	1	0	12
8:00 AM	0	5	0	0	0	2	1	0	0	0	0	0	0	0	0	0	8
8:15 AM	2	5	0	0	0	1	0	0	0	0	0	0	1	0	1	0	10
8:30 AM	0	5	0	0	0	2	1	0	0	0	0	0	1	0	4	0	13
8:45 AM	0	7	0	0	0	1	0	0	0	0	0	0	0	0	3	0	11
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	5	33	0	0	0	8	13	0	0	0	0	0	3	0	10	0	72
APPROACH %'s :	13.16%	86.84%	0.00%	0.00%	0.00%	38.10%	61.90%	0.00%					23.08%	0.00%	76.92%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	3	11	0	0	0	2	11	0	0	0	0	0	1	0	2	0	30
PEAK HR FACTOR :	0.750	0.393	0.000	0.000	0.000	0.500	0.688	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.500	0.000	0.625
	0.438				0.813								0.375				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	2	3	0	0	0	1	2	0	0	0	0	0	1	0	1	0	10
4:15 PM	1	7	0	0	0	2	1	0	0	0	0	0	0	0	1	0	12
4:30 PM	1	2	0	0	0	2	0	0	0	0	0	0	0	0	1	0	6
4:45 PM	1	3	0	0	0	8	3	0	0	0	0	0	0	0	0	0	15
5:00 PM	0	2	0	0	0	1	4	0	0	0	0	0	1	0	1	0	9
5:15 PM	2	3	0	0	0	0	4	0	0	0	0	0	0	0	0	0	9
5:30 PM	0	2	0	0	0	1	0	0	0	0	0	0	3	0	0	0	6
5:45 PM	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	8	22	0	0	0	15	14	0	0	0	0	0	6	0	5	0	70
APPROACH %'s :	26.67%	73.33%	0.00%	0.00%	0.00%	51.72%	48.28%	0.00%					54.55%	0.00%	45.45%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	5	15	0	0	0	13	6	0	0	0	0	0	1	0	3	0	43
PEAK HR FACTOR :	0.63	0.536	0.000	0.000	0.000	0.406	0.500	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.750	0.000	0.717
	0.625				0.432								0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-001
Date: 5/23/2019

4axle

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	6	6	0	0	0	10	13	0	0	0	0	0	2	0	12	0	49
7:15 AM	7	15	0	0	0	15	15	0	0	0	0	0	2	0	10	0	64
7:30 AM	8	11	0	0	0	12	18	0	0	0	0	0	1	0	12	0	62
7:45 AM	7	13	0	0	0	8	13	0	0	0	0	0	2	0	13	0	56
8:00 AM	4	13	0	0	0	13	19	0	0	0	0	0	1	0	13	0	63
8:15 AM	6	15	0	0	0	12	20	0	0	0	0	0	3	0	11	0	67
8:30 AM	7	17	0	0	0	10	15	0	0	0	0	0	6	0	11	0	66
8:45 AM	15	20	0	0	0	13	16	0	0	0	0	0	1	0	12	0	77
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	60	110	0	0	0	93	129	0	0	0	0	0	18	0	94	0	504
APPROACH %'s :	35.29%	64.71%	0.00%	0.00%	0.00%	41.89%	58.11%	0.00%					16.07%	0.00%	83.93%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	28	45	0	0	0	45	59	0	0	0	0	0	7	0	47	0	231
PEAK HR FACTOR :	0.875	0.750	0.000	0.000	0.000	0.750	0.819	0.000	0.000	0.000	0.000	0.000	0.875	0.000	0.904	0.000	0.902
	0.830				0.867								0.900				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	2	0	0	0	0	0	0	1	0.5	0.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	8	16	0	0	0	5	8	0	0	0	0	0	4	0	4	0	45
4:15 PM	9	9	0	0	0	5	7	0	0	0	0	0	6	0	1	0	37
4:30 PM	9	10	0	0	0	10	8	0	0	0	0	0	3	0	3	0	43
4:45 PM	5	4	0	0	0	7	16	0	0	0	0	0	1	0	1	0	34
5:00 PM	6	3	0	0	0	4	11	0	0	0	0	0	2	0	0	0	26
5:15 PM	6	8	0	0	0	0	2	0	0	0	0	0	1	0	2	0	19
5:30 PM	4	6	0	0	0	1	8	0	0	0	0	0	0	0	1	0	20
5:45 PM	6	4	0	0	0	3	4	0	0	0	0	0	2	0	1	0	20
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	53	60	0	0	0	35	64	0	0	0	0	0	19	0	13	0	244
APPROACH %'s :	46.90%	53.10%	0.00%	0.00%	0.00%	35.35%	64.65%	0.00%					59.38%	0.00%	40.63%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	31	39	0	0	0	27	39	0	0	0	0	0	14	0	9	0	159
PEAK HR FACTOR :	0.86	0.609	0.000	0.000	0.000	0.675	0.609	0.000	0.000	0.000	0.000	0.000	0.583	0.000	0.563	0.000	0.883
	0.729				0.717								0.719				

Prepared by National Data & Surveying Services

N Alder Ave & SR-210 EB Ramps

Peak Hour Turning Movement Count

ID: 19-06091-002
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

CONTROL: Signalized

	AM	NOON	PM
TEV	1329	0	1756
PHF	0.90		0.98

N Alder Ave — SOUTHBOUND

	L	T	R	U		
AM	0	272	89	0	494	AM
NOON	0	0	0	0	0	NOON
PM	0	309	147	0	682	PM

SR-210 EB Ramps — EASTBOUND

	L	T	R	
AM	0	0	0	
NOON	0	0	0	
PM	0	0	0	
AM	215	0	219	0.5
NOON	2	0	8	0.5
PM	288	0	318	1

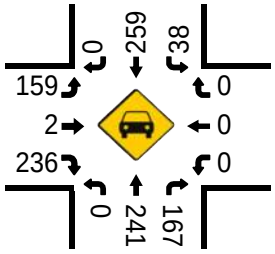
WESTBOUND — SR-210 EB Ramps

	L	T	R	
PM	0	0	0	0
NOON	0	0	0	0
AM	0	0	0	0
PM	0	0	0	0
NOON	0	0	0	
AM	447	0	275	

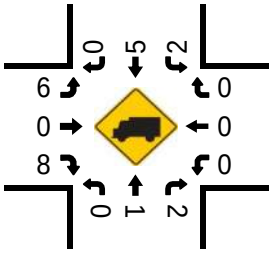
N Alder Ave — NORTHBOUND

	L	T	R	U		
PM	627	0	0	463	292	PM
NOON	0	0	0	0	0	NOON
AM	560	0	0	279	184	AM

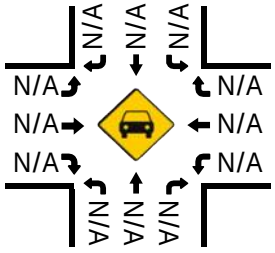
Cars (AM)



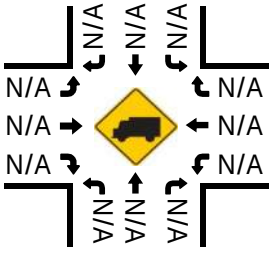
2axle (AM)



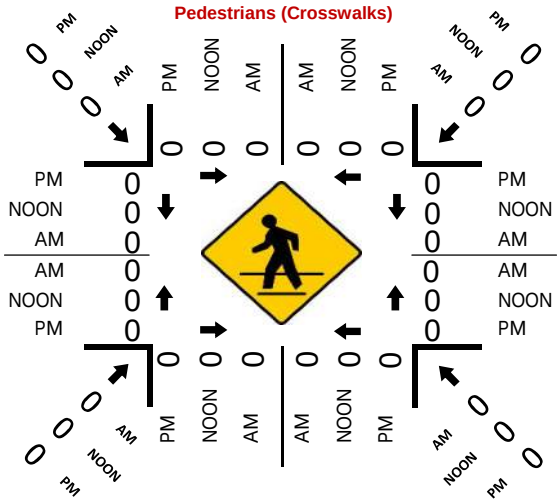
Cars (NOON)



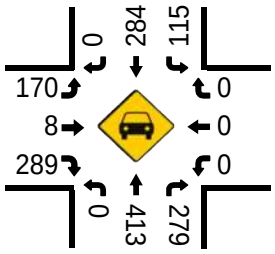
2axle (NOON)



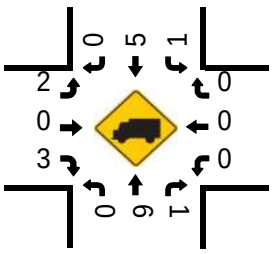
Pedestrians (Crosswalks)



Cars (PM)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-002
Date: 5/23/2019

Total

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	74	33	0	21	62	0	0	59	1	55	0	0	0	0	0	305
7:15 AM	0	58	39	0	21	63	0	0	52	0	82	0	0	0	0	0	315
7:30 AM	0	77	49	0	24	72	0	0	46	1	69	0	0	0	0	0	338
7:45 AM	0	70	63	0	23	75	0	0	58	0	82	0	0	0	0	0	371
8:00 AM	0	59	35	0	24	48	0	0	47	1	62	0	0	0	0	0	276
8:15 AM	0	84	24	0	28	44	0	0	41	1	60	0	0	0	0	0	282
8:30 AM	0	73	40	0	25	61	0	0	36	0	66	0	0	0	0	0	301
8:45 AM	0	76	25	0	19	54	0	0	49	0	69	0	0	0	0	0	292
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	571	308	0	185	479	0	0	388	4	545	0	0	0	0	0	2480
APPROACH %'s :	0.00%	64.96%	35.04%	0.00%	27.86%	72.14%	0.00%	0.00%	41.41%	0.43%	58.16%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	279	184	0	89	272	0	0	215	2	288	0	0	0	0	0	1329
PEAK HR FACTOR :	0.000	0.906	0.730	0.000	0.927	0.907	0.000	0.000	0.911	0.500	0.878	0.000	0.000	0.000	0.000	0.000	0.896
	0.870				0.921				0.902								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	110	83	0	39	71	0	0	60	1	83	0	0	0	0	0	447
4:15 PM	0	114	68	0	32	84	0	0	62	0	78	0	0	0	0	0	438
4:30 PM	0	119	71	0	40	75	0	0	45	2	87	0	0	0	0	0	439
4:45 PM	0	120	70	0	36	79	0	0	52	5	70	0	0	0	0	0	432
5:00 PM	0	103	69	0	45	73	0	0	58	1	83	0	0	0	0	0	432
5:15 PM	0	121	91	0	24	73	0	0	39	1	59	0	0	0	0	0	408
5:30 PM	0	104	75	0	35	103	0	0	45	0	55	0	0	0	0	0	417
5:45 PM	0	115	44	0	24	90	0	0	36	2	59	0	0	0	0	0	370
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	906	571	0	275	648	0	0	397	12	574	0	0	0	0	0	3383
APPROACH %'s :	0.00%	61.34%	38.66%	0.00%	29.79%	70.21%	0.00%	0.00%	40.39%	1.22%	58.39%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	463	292	0	147	309	0	0	219	8	318	0	0	0	0	0	1756
PEAK HR FACTOR :	0.000	0.965	0.880	0.000	0.919	0.920	0.000	0.000	0.883	0.400	0.914	0.000	0.000	0.000	0.000	0.000	0.982
	0.978				0.983				0.946								

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-002
Date: 5/23/2019

Cars

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	67	31	0	7	60	0	0	49	1	43	0	0	0	0	0	258
7:15 AM	0	48	34	0	6	60	0	0	37	0	64	0	0	0	0	0	249
7:30 AM	0	66	46	0	11	67	0	0	34	1	57	0	0	0	0	0	282
7:45 AM	0	60	56	0	14	72	0	0	39	0	72	0	0	0	0	0	313
8:00 AM	0	53	30	0	12	43	0	0	30	1	45	0	0	0	0	0	214
8:15 AM	0	72	21	0	14	39	0	0	23	1	46	0	0	0	0	0	216
8:30 AM	0	62	34	0	15	54	0	0	17	0	45	0	0	0	0	0	227
8:45 AM	0	54	23	0	8	50	0	0	24	0	50	0	0	0	0	0	209
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	482	275	0	87	445	0	0	253	4	422	0	0	0	0	0	1968
APPROACH %'s :	0.00%	63.67%	36.33%	0.00%	16.35%	83.65%	0.00%	0.00%	37.26%	0.59%	62.15%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	241	167	0	38	259	0	0	159	2	236	0	0	0	0	0	1102
PEAK HR FACTOR :	0.00	0.899	0.746	0.000	0.679	0.899	0.000	0.000	0.811	0.500	0.819	0.000	0.000	0.000	0.000	0.000	0.880
		0.879				0.863				0.894							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	98	77	0	34	63	0	0	39	1	79	0	0	0	0	0	391
4:15 PM	0	100	62	0	26	77	0	0	51	0	72	0	0	0	0	0	388
4:30 PM	0	107	71	0	31	67	0	0	33	2	77	0	0	0	0	0	388
4:45 PM	0	108	69	0	24	77	0	0	47	5	61	0	0	0	0	0	391
5:00 PM	0	95	63	0	39	66	0	0	50	1	75	0	0	0	0	0	389
5:15 PM	0	111	86	0	23	71	0	0	27	1	49	0	0	0	0	0	368
5:30 PM	0	100	68	0	32	99	0	0	37	0	46	0	0	0	0	0	382
5:45 PM	0	107	40	0	21	85	0	0	32	2	53	0	0	0	0	0	340
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	826	536	0	230	605	0	0	316	12	512	0	0	0	0	0	3037
APPROACH %'s :	0.00%	60.65%	39.35%	0.00%	27.54%	72.46%	0.00%	0.00%	37.62%	1.43%	60.95%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	413	279	0	115	284	0	0	170	8	289	0	0	0	0	0	1558
PEAK HR FACTOR :	0.00	0.956	0.906	0.000	0.846	0.922	0.000	0.000	0.833	0.400	0.915	0.000	0.000	0.000	0.000	0.000	0.996
		0.972				0.968				0.949							

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-002
Date: 5/23/2019

2axle

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0	4
7:15 AM	0	0	0	0	0	1	0	0	2	0	4	0	0	0	0	0	7
7:30 AM	0	1	1	0	1	2	0	0	0	0	2	0	0	0	0	0	7
7:45 AM	0	0	0	0	0	2	0	0	2	0	2	0	0	0	0	0	6
8:00 AM	0	1	1	0	1	2	0	0	0	0	2	0	0	0	0	0	7
8:15 AM	0	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0	5
8:30 AM	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
8:45 AM	0	2	1	0	0	0	0	0	3	0	4	0	0	0	0	0	10
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	6	6	0	3	7	0	0	10	0	17	0	0	0	0	0	49
APPROACH %'s :	0.00%	50.00%	50.00%	0.00%	30.00%	70.00%	0.00%	0.00%	37.04%	0.00%	62.96%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	1	2	0	2	5	0	0	6	0	8	0	0	0	0	0	24
PEAK HR FACTOR :	0.000	0.250	0.500	0.000	0.500	0.625	0.000	0.000	0.750	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.857
		0.375				0.583				0.583							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	2	0	0	0	2	0	0	1	0	1	0	0	0	0	0	6
4:15 PM	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	4
4:30 PM	0	2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	5
4:45 PM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	3
5:00 PM	0	2	0	0	1	0	0	0	3	0	0	0	0	0	0	0	6
5:15 PM	0	3	1	0	1	1	0	0	1	0	2	0	0	0	0	0	9
5:30 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
5:45 PM	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	11	2	0	4	10	0	0	7	0	5	0	0	0	0	0	39
APPROACH %'s :	0.00%	84.62%	15.38%	0.00%	28.57%	71.43%	0.00%	0.00%	58.33%	0.00%	41.67%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	6	1	0	1	5	0	0	2	0	3	0	0	0	0	0	18
PEAK HR FACTOR :	0.00	0.750	0.250	0.000	0.250	0.625	0.000	0.000	0.500	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.750
		0.875				0.750				0.625							

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-002
Date: 5/23/2019

3axle

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	4
7:15 AM	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	4
7:30 AM	0	1	0	0	0	0	0	0	1	0	3	0	0	0	0	0	5
7:45 AM	0	2	1	0	1	0	0	0	6	0	0	0	0	0	0	0	10
8:00 AM	0	1	0	0	1	0	0	0	4	0	1	0	0	0	0	0	7
8:15 AM	0	3	0	0	2	1	0	0	2	0	2	0	0	0	0	0	10
8:30 AM	0	0	1	0	1	3	0	0	7	0	0	0	0	0	0	0	12
8:45 AM	0	3	0	0	0	1	0	0	4	0	0	0	0	0	0	0	8
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	12	3	0	6	5	0	0	26	0	8	0	0	0	0	0	60
APPROACH %'s :	0.00%	80.00%	20.00%	0.00%	54.55%	45.45%	0.00%	0.00%	76.47%	0.00%	23.53%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	5	2	0	2	0	0	0	9	0	5	0	0	0	0	0	23
PEAK HR FACTOR :	0.000	0.625	0.500	0.000	0.500	0.000	0.000	0.000	0.375	0.000	0.417	0.000	0.000	0.000	0.000	0.000	0.575
		0.583				0.500				0.583							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	2	1	0	1	1	0	0	3	0	1	0	0	0	0	0	9
4:15 PM	0	5	3	0	1	0	0	0	3	0	0	0	0	0	0	0	12
4:30 PM	0	1	0	0	2	0	0	0	2	0	4	0	0	0	0	0	9
4:45 PM	0	3	1	0	4	1	0	0	2	0	0	0	0	0	0	0	11
5:00 PM	0	0	0	0	2	4	0	0	2	0	1	0	0	0	0	0	9
5:15 PM	0	1	1	0	0	0	0	0	3	0	1	0	0	0	0	0	6
5:30 PM	0	0	2	0	1	3	0	0	2	0	2	0	0	0	0	0	10
5:45 PM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	13	9	0	11	9	0	0	17	0	9	0	0	0	0	0	68
APPROACH %'s :	0.00%	59.09%	40.91%	0.00%	55.00%	45.00%	0.00%	0.00%	65.38%	0.00%	34.62%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	11	5	0	8	2	0	0	10	0	5	0	0	0	0	0	41
PEAK HR FACTOR :	0.00	0.550	0.417	0.000	0.500	0.500	0.000	0.000	0.833	0.000	0.313	0.000	0.000	0.000	0.000	0.000	0.854
		0.500				0.500				0.625							

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Alder Ave & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-002
Date: 5/23/2019

4axle

NS/EW Streets:	N Alder Ave				N Alder Ave				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	6	1	0	13	2	0	0	6	0	11	0	0	0	0	0	39
7:15 AM	0	9	4	0	14	2	0	0	13	0	13	0	0	0	0	0	55
7:30 AM	0	9	2	0	12	3	0	0	11	0	7	0	0	0	0	0	44
7:45 AM	0	8	6	0	8	1	0	0	11	0	8	0	0	0	0	0	42
8:00 AM	0	4	4	0	10	3	0	0	13	0	14	0	0	0	0	0	48
8:15 AM	0	7	1	0	12	4	0	0	15	0	12	0	0	0	0	0	51
8:30 AM	0	11	5	0	9	4	0	0	12	0	18	0	0	0	0	0	59
8:45 AM	0	17	1	0	11	3	0	0	18	0	15	0	0	0	0	0	65
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	71	24	0	89	22	0	0	99	0	98	0	0	0	0	0	403
APPROACH %'s :	0.00%	74.74%	25.26%	0.00%	80.18%	19.82%	0.00%	0.00%	50.25%	0.00%	49.75%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	32	13	0	47	8	0	0	41	0	39	0	0	0	0	0	180
PEAK HR FACTOR :	0.000	0.889	0.542	0.000	0.839	0.667	0.000	0.000	0.788	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.818
	0.804				0.859				0.769								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	0	0	0	3	0	0	0.5	0.5	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	8	5	0	4	5	0	0	17	0	2	0	0	0	0	0	41
4:15 PM	0	8	2	0	5	6	0	0	8	0	5	0	0	0	0	0	34
4:30 PM	0	9	0	0	7	6	0	0	9	0	6	0	0	0	0	0	37
4:45 PM	0	8	0	0	7	1	0	0	3	0	8	0	0	0	0	0	27
5:00 PM	0	6	6	0	3	3	0	0	3	0	7	0	0	0	0	0	28
5:15 PM	0	6	3	0	0	1	0	0	8	0	7	0	0	0	0	0	25
5:30 PM	0	4	5	0	1	0	0	0	6	0	7	0	0	0	0	0	23
5:45 PM	0	7	3	0	3	2	0	0	3	0	6	0	0	0	0	0	24
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	56	24	0	30	24	0	0	57	0	48	0	0	0	0	0	239
APPROACH %'s :	0.00%	70.00%	30.00%	0.00%	55.56%	44.44%	0.00%	0.00%	54.29%	0.00%	45.71%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	33	7	0	23	18	0	0	37	0	21	0	0	0	0	0	139
PEAK HR FACTOR :	0.00	0.917	0.350	0.000	0.821	0.750	0.000	0.000	0.544	0.000	0.656	0.000	0.000	0.000	0.000	0.000	0.848
	0.769				0.788				0.763								

Prepared by National Data & Surveying Services

Alder Ave & W Renaissance Pkwy

Peak Hour Turning Movement Count

ID: 19-06091-003
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS
AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS
AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Alder Ave — SOUTHBOUND

AM	16	454	109	0	458	AM
NOON	0	0	0	0	0	NOON
PM	5	459	171	0	759	PM
	0.5	1.5	1	0		

W Renaissance Pkwy — EASTBOUND

AM	NOON	PM		
22	0	8		
0	0	0	0	
6	0	22	1	
3	0	4	1	
6	0	3	1	
AM	NOON	PM		

W Renaissance Pkwy — WESTBOUND

PM	NOON	AM		
185	0	108	0	
3	0	3	2	
48	0	40	1	
0	0	0	0	
241	0	142		
PM	NOON	AM		

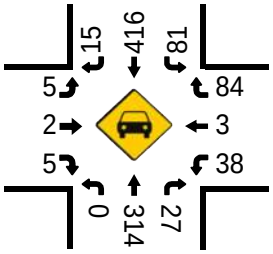
Alder Ave — NORTHBOUND

PM	510	0	0	552	66	PM
NOON	0	0	0	0	0	NOON
AM	500	0	3	344	30	AM
		0	1	2	0	

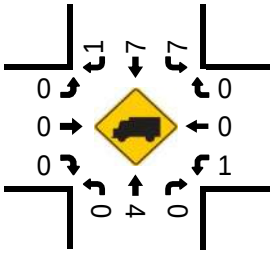
CONTROL: Signalized

TEV	1122 AM	0 NOON	1518 PM
PHF	0.87		0.96

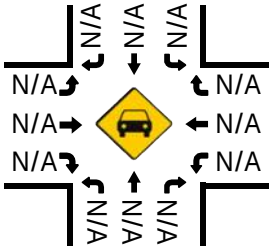
Cars (AM)



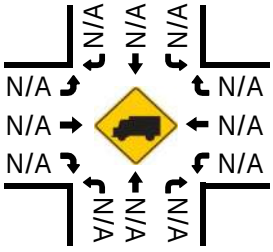
2axle (AM)



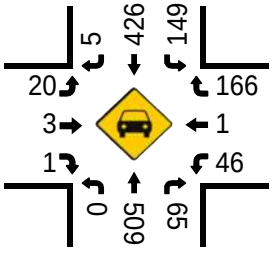
Cars (NOON)



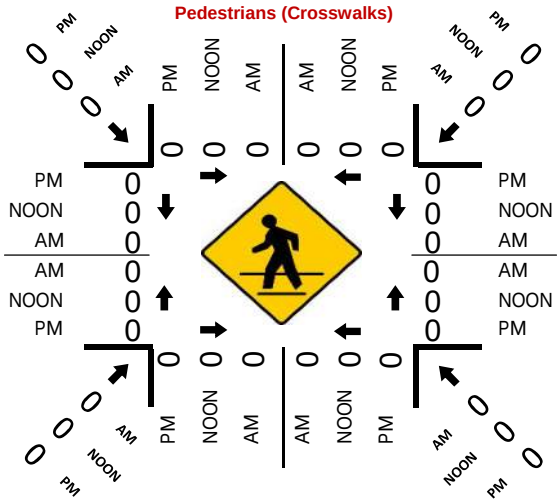
2axle (NOON)



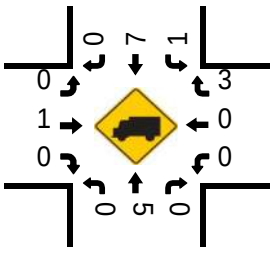
Cars (PM)



Pedestrians (Crosswalks)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-003
Date: 5/23/2019

Total

NS/EW Streets:	Alder Ave				Alder Ave				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	79	5	0	34	92	3	0	1	3	0	0	8	0	27	0	252
7:15 AM	0	68	6	0	21	112	1	0	0	0	0	0	14	0	20	0	242
7:30 AM	2	101	6	0	25	116	4	0	5	0	3	0	9	2	31	0	304
7:45 AM	1	96	13	0	29	134	8	0	0	0	3	0	9	1	30	0	324
8:00 AM	0	74	3	0	22	79	1	0	0	0	0	0	8	1	15	0	203
8:15 AM	3	72	6	0	18	82	2	0	1	0	0	0	6	1	33	0	224
8:30 AM	3	88	3	0	17	107	5	0	2	0	0	0	9	2	24	0	260
8:45 AM	0	83	2	0	20	97	4	0	3	3	0	0	5	2	32	0	251
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	9	661	44	0	186	819	28	0	12	6	6	0	68	9	212	0	2060
APPROACH %'s :	1.26%	92.58%	6.16%	0.00%	18.01%	79.28%	2.71%	0.00%	50.00%	25.00%	25.00%	0.00%	23.53%	3.11%	73.36%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	3	344	30	0	109	454	16	0	6	3	6	0	40	3	108	0	1122
PEAK HR FACTOR :	0.375	0.851	0.577	0.000	0.801	0.847	0.500	0.000	0.300	0.250	0.500	0.000	0.714	0.375	0.871	0.000	0.866
	0.857				0.846				0.469				0.899				

NS/EW Streets:	Alder Ave				Alder Ave				W Renaissance Pkwy				W Renaissance Pkwy				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	155	15	0	46	113	1	0	2	2	1	0	10	0	52	0	397
4:15 PM	0	117	17	0	49	115	1	0	4	0	1	0	8	1	43	0	356
4:30 PM	0	141	22	0	35	109	2	0	15	1	0	0	15	0	43	0	383
4:45 PM	0	139	12	0	41	122	1	0	1	1	1	0	15	2	47	0	382
5:00 PM	0	138	13	0	28	113	1	0	2	1	0	0	18	0	45	0	359
5:15 PM	1	157	14	0	26	108	3	0	8	2	0	0	14	0	27	0	360
5:30 PM	1	149	19	0	30	132	0	0	4	1	0	0	18	0	45	0	399
5:45 PM	0	111	20	0	29	116	0	0	2	0	0	0	14	0	27	0	319
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	2	1107	132	0	284	928	9	0	38	8	3	0	112	3	329	0	2955
APPROACH %'s :	0.16%	89.20%	10.64%	0.00%	23.26%	76.00%	0.74%	0.00%	77.55%	16.33%	6.12%	0.00%	25.23%	0.68%	74.10%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	552	66	0	171	459	5	0	22	4	3	0	48	3	185	0	1518
PEAK HR FACTOR :	0.000	0.890	0.750	0.000	0.872	0.941	0.625	0.000	0.367	0.500	0.750	0.000	0.800	0.375	0.889	0.000	0.956
	0.909				0.962				0.453				0.922				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-003
Date: 5/23/2019

Cars

NS/EW Streets:	Alder Ave				Alder Ave				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	72	5	0	25	83	3	0	0	2	0	0	6	0	25	0	221
7:15 AM	0	59	6	0	14	102	1	0	0	0	0	0	14	0	14	0	210
7:30 AM	0	96	6	0	20	107	4	0	5	0	2	0	9	2	23	0	274
7:45 AM	0	87	10	0	22	124	7	0	0	0	3	0	9	1	22	0	285
8:00 AM	0	65	2	0	17	66	0	0	0	0	0	0	8	1	14	0	173
8:15 AM	2	65	5	0	11	69	1	0	0	0	0	0	6	0	25	0	184
8:30 AM	1	78	2	0	12	92	1	0	2	0	0	0	9	0	17	0	214
8:45 AM	0	66	2	0	12	78	3	0	1	3	0	0	4	2	26	0	197
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	588	38	0	133	721	20	0	8	5	5	0	65	6	166	0	1758
APPROACH %'s :	0.48%	93.48%	6.04%	0.00%	15.22%	82.49%	2.29%	0.00%	44.44%	27.78%	27.78%	0.00%	27.43%	2.53%	70.04%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	314	27	0	81	416	15	0	5	2	5	0	38	3	84	0	990
PEAK HR FACTOR :	0.00	0.818	0.675	0.000	0.810	0.839	0.536	0.000	0.250	0.250	0.417	0.000	0.679	0.375	0.840	0.000	0.868
		0.836				0.837				0.429				0.919			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	142	15	0	41	105	1	0	1	1	1	0	10	0	47	0	364
4:15 PM	0	103	17	0	46	105	1	0	3	0	0	0	7	0	39	0	321
4:30 PM	0	133	22	0	30	102	2	0	15	1	0	0	15	0	38	0	358
4:45 PM	0	131	11	0	32	114	1	0	1	1	0	0	14	1	42	0	348
5:00 PM	0	132	13	0	24	103	1	0	2	0	0	0	18	0	39	0	332
5:15 PM	1	150	14	0	23	104	1	0	4	2	0	0	12	0	23	0	334
5:30 PM	0	141	19	0	27	122	0	0	1	0	0	0	17	0	40	0	367
5:45 PM	0	106	19	0	25	108	0	0	0	0	0	0	14	0	26	0	298
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	1038	130	0	248	863	7	0	27	5	1	0	107	1	294	0	2722
APPROACH %'s :	0.09%	88.79%	11.12%	0.00%	22.18%	77.19%	0.63%	0.00%	81.82%	15.15%	3.03%	0.00%	26.62%	0.25%	73.13%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	509	65	0	149	426	5	0	20	3	1	0	46	1	166	0	1391
PEAK HR FACTOR :	0.00	0.896	0.739	0.000	0.810	0.934	0.625	0.000	0.333	0.750	0.250	0.000	0.767	0.250	0.883	0.000	0.955
		0.914				0.954				0.375				0.934			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-003
Date: 5/23/2019

2axle

NS/EW Streets:	Alder Ave				Alder Ave				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	2	0	0	0	0	0	0	0	1	0	0	0	4
7:15 AM	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	4
7:30 AM	0	1	0	0	3	2	0	0	0	0	0	0	0	0	0	0	6
7:45 AM	0	1	0	0	1	3	1	0	0	0	0	0	0	0	0	0	6
8:00 AM	0	2	1	0	2	1	0	0	0	0	0	0	0	0	0	0	6
8:15 AM	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	4
8:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	1	0	0	0	5	1	0	2	0	0	0	0	0	0	0	9
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	9	1	0	10	14	2	0	3	0	0	0	1	0	0	0	40
APPROACH %'s :	0.00%	90.00%	10.00%	0.00%	38.46%	53.85%	7.69%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	4	0	0	7	7	1	0	0	0	0	0	1	0	0	0	20
PEAK HR FACTOR :	0.000	1.000	0.000	0.000	0.583	0.583	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.833
		1.000				0.750								0.250			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	1	2	0	0	0	1	0	0	0	0	1	0	6
4:15 PM	0	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	4
4:30 PM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4
4:45 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	3
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5:15 PM	0	2	0	0	0	0	1	0	2	0	0	0	0	0	0	0	5
5:30 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
5:45 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	7	0	0	1	11	1	0	2	1	0	0	0	0	4	0	27
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	7.69%	84.62%	7.69%	0.00%	66.67%	33.33%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	5	0	0	1	7	0	0	0	1	0	0	0	0	3	0	17
PEAK HR FACTOR :	0.00	0.625	0.000	0.000	0.250	0.875	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.750	0.000	0.708
		0.625				0.667				0.250					0.750		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-003
Date: 5/23/2019

3axle

NS/EW Streets:	Alder Ave				Alder Ave				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
7:15 AM	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
7:30 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	3
7:45 AM	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5
8:00 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
8:15 AM	0	2	0	0	0	1	1	0	0	0	0	0	0	0	1	0	5
8:30 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	3
8:45 AM	0	4	0	0	1	3	0	0	0	0	0	0	0	0	0	0	8
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	13	1	0	4	8	1	0	1	0	0	0	0	1	2	0	31
APPROACH %'s :	0.00%	92.86%	7.14%	0.00%	30.77%	61.54%	7.69%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	33.33%	66.67%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	5	1	0	3	2	0	0	1	0	0	0	0	0	1	0	13
PEAK HR FACTOR :	0.000	0.417	0.250	0.000	0.750	0.500	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.650
	0.375				0.625				0.250				0.250				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	2	0	0	0	1	0	0	0	0	0	0	0	0	1	0	4
4:15 PM	0	8	0	0	1	1	0	0	0	0	0	0	0	0	0	0	10
4:30 PM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4
4:45 PM	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	6
5:00 PM	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
5:30 PM	0	1	0	0	0	3	0	0	0	0	0	0	0	0	1	0	5
5:45 PM	0	1	0	0	0	3	0	0	0	0	0	0	0	0	1	0	5
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	17	0	0	2	16	0	0	0	0	0	0	0	0	5	0	40
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	11.11%	88.89%	0.00%	0.00%					0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	15	0	0	1	7	0	0	0	0	0	0	0	0	1	0	24
PEAK HR FACTOR :	0.00	0.469	0.000	0.000	0.250	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.600
	0.469				0.667								0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-003
Date: 5/23/2019

4axle

NS/EW Streets:	Alder Ave				Alder Ave				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	6	0	0	7	8	0	0	0	1	0	0	1	0	2	0	25
7:15 AM	0	6	0	0	5	8	0	0	0	0	0	0	0	0	6	0	25
7:30 AM	2	4	0	0	1	6	0	0	0	0	1	0	0	0	7	0	21
7:45 AM	1	5	2	0	5	7	0	0	0	0	0	0	0	0	8	0	28
8:00 AM	0	6	0	0	3	11	1	0	0	0	0	0	0	0	1	0	22
8:15 AM	1	3	1	0	7	11	0	0	0	0	0	0	0	1	7	0	31
8:30 AM	2	9	1	0	4	14	4	0	0	0	0	0	0	1	7	0	42
8:45 AM	0	12	0	0	7	11	0	0	0	0	0	0	1	0	6	0	37
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	6	51	4	0	39	76	5	0	0	1	1	0	2	2	44	0	231
APPROACH %'s :	9.84%	83.61%	6.56%	0.00%	32.50%	63.33%	4.17%	0.00%	0.00%	50.00%	50.00%	0.00%	4.17%	4.17%	91.67%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	3	21	2	0	18	29	0	0	0	1	1	0	1	0	23	0	99
PEAK HR FACTOR :	0.375	0.875	0.250	0.000	0.643	0.906	0.000	0.000	0.000	0.250	0.250	0.000	0.250	0.000	0.719	0.000	0.884
	0.813				0.783				0.500				0.750				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	1.5	0.5	0	1	1	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	10	0	0	4	5	0	0	1	0	0	0	0	0	3	0	23
4:15 PM	0	5	0	0	2	7	0	0	1	0	1	0	1	1	3	0	21
4:30 PM	0	4	0	0	5	3	0	0	0	0	0	0	0	0	5	0	17
4:45 PM	0	4	1	0	9	4	0	0	0	0	1	0	1	1	4	0	25
5:00 PM	0	6	0	0	3	7	0	0	0	1	0	0	0	0	5	0	22
5:15 PM	0	5	0	0	3	4	1	0	2	0	0	0	2	0	2	0	19
5:30 PM	1	7	0	0	3	4	0	0	3	1	0	0	1	0	4	0	24
5:45 PM	0	4	1	0	4	4	0	0	2	0	0	0	0	0	0	0	15
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	45	2	0	33	38	1	0	9	2	2	0	5	2	26	0	166
APPROACH %'s :	2.08%	93.75%	4.17%	0.00%	45.83%	52.78%	1.39%	0.00%	69.23%	15.38%	15.38%	0.00%	15.15%	6.06%	78.79%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	23	1	0	20	19	0	0	2	0	2	0	2	2	15	0	86
PEAK HR FACTOR :	0.00	0.575	0.250	0.000	0.556	0.679	0.000	0.000	0.500	0.000	0.500	0.000	0.500	0.500	0.750	0.000	0.860
	0.600				0.750				0.500				0.792				

Prepared by National Data & Surveying Services

Alder Ave & E Base Line Rd

Peak Hour Turning Movement Count

ID: 19-06091-004
City: Fontana

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM	07:00 AM - 08:00 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Alder Ave — SOUTHBOUND

AM	88	210	25	2	330	AM
NOON	0	0	0	0	0	NOON
PM	108	280	63	0	461	PM
	1	1	1	0		

E Base Line Rd — EASTBOUND

AM	NOON	PM	
346	0	475	
0	0	0	0
78	0	96	1
244	0	469	1
24	0	48	0
AM	NOON	PM	

CONTROL

Signalized

TEV	1210 AM	0 NOON	1870 PM
PHF	0.88		0.98

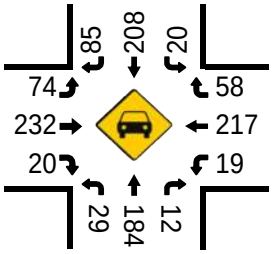
E Base Line Rd — WESTBOUND

PM	NOON	AM	
1	44	0	66
1	329	0	225
1	36	0	19
0	0	0	0
	570	0	281
PM	NOON	AM	

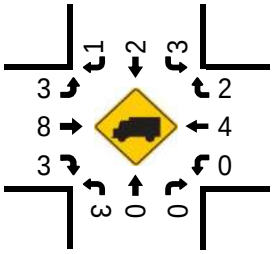
Alder Ave — NORTHBOUND

	0	1	1	0		
PM	364	0	38	321	38	PM
NOON	0	0	0	0	0	NOON
AM	253	0	33	184	12	AM

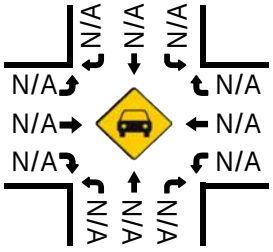
Cars (AM)



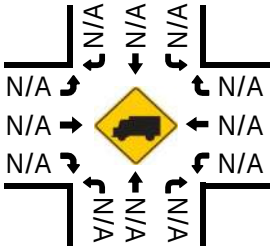
2axle (AM)



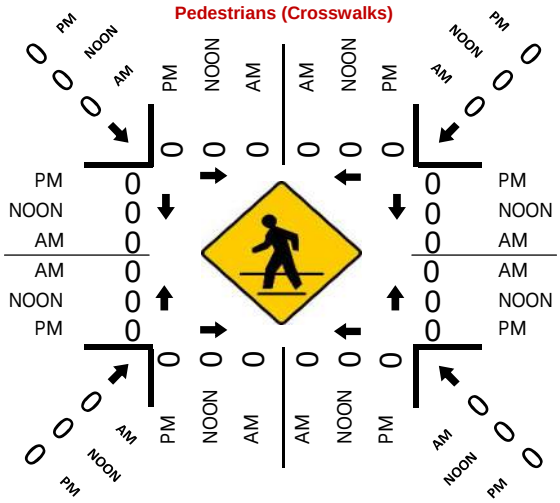
Cars (NOON)



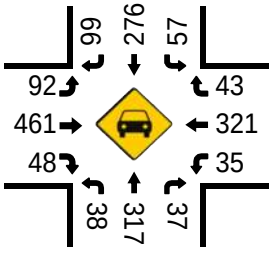
2axle (NOON)



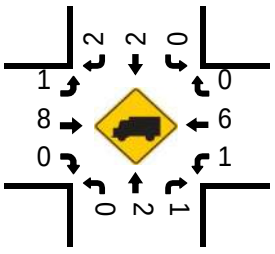
Pedestrians (Crosswalks)



Cars (PM)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & E Base Line Rd
City: Fontana
Control: Signalized

Project ID: 19-06091-004
Date: 5/23/2019

Total

NS/EW Streets:	Alder Ave				Alder Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	7	31	2	0	2	38	15	1	17	65	5	0	3	44	18	0	248
7:15 AM	11	44	6	0	4	36	16	1	19	66	2	0	8	58	14	0	285
7:30 AM	7	51	3	0	7	62	26	0	27	55	9	0	4	66	18	0	335
7:45 AM	8	58	1	0	12	74	31	0	15	58	8	0	4	57	16	0	342
8:00 AM	7	34	2	0	8	47	11	2	19	42	6	0	6	43	17	0	244
8:15 AM	8	47	2	0	6	45	9	1	18	54	10	0	8	35	10	0	253
8:30 AM	7	48	6	0	12	57	14	1	15	44	8	0	6	35	14	0	267
8:45 AM	4	47	6	0	9	34	19	0	11	49	3	0	5	40	15	0	242
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	59	360	28	0	60	393	141	6	141	433	51	0	44	378	122	0	2216
APPROACH %'s :	13.20%	80.54%	6.26%	0.00%	10.00%	65.50%	23.50%	1.00%	22.56%	69.28%	8.16%	0.00%	8.09%	69.49%	22.43%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	33	184	12	0	25	210	88	2	78	244	24	0	19	225	66	0	1210
PEAK HR FACTOR :	0.750	0.793	0.500	0.000	0.521	0.709	0.710	0.500	0.722	0.924	0.667	0.000	0.594	0.852	0.917	0.000	0.885
	0.854				0.694				0.951				0.881				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	15	64	6	0	18	60	37	0	18	113	8	0	9	69	13	0	430
4:15 PM	11	61	6	0	15	57	22	0	25	133	14	0	11	90	9	0	454
4:30 PM	11	75	17	0	13	83	28	0	18	117	15	0	12	74	6	0	469
4:45 PM	13	64	6	0	18	63	31	0	24	124	6	0	10	93	13	0	465
5:00 PM	3	98	7	0	18	76	26	0	31	102	19	0	9	82	7	0	478
5:15 PM	11	84	8	0	14	58	23	0	23	126	8	0	5	80	18	0	458
5:30 PM	10	80	5	0	13	67	20	0	16	115	15	0	2	71	10	0	424
5:45 PM	14	66	8	0	8	61	19	0	12	116	16	0	6	43	16	0	385
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	88	592	63	0	117	525	206	0	167	946	101	0	64	602	92	0	3563
APPROACH %'s :	11.84%	79.68%	8.48%	0.00%	13.80%	61.91%	24.29%	0.00%	13.76%	77.92%	8.32%	0.00%	8.44%	79.42%	12.14%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	38	321	38	0	63	280	108	0	96	469	48	0	36	329	44	0	1870
PEAK HR FACTOR :	0.731	0.819	0.559	0.000	0.875	0.843	0.871	0.000	0.774	0.931	0.632	0.000	0.750	0.884	0.611	0.000	0.978
	0.919				0.909				0.976				0.881				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & E Base Line Rd
City: Fontana
Control: Signalized

Project ID: 19-06091-004
Date: 5/23/2019

Cars

NS/EW Streets:	Alder Ave				Alder Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	7	31	2	0	2	37	15	1	17	61	5	0	3	41	16	0	238
7:15 AM	9	44	6	0	3	36	16	1	19	63	2	0	8	55	10	0	272
7:30 AM	6	51	3	0	5	62	25	0	25	54	6	0	4	66	16	0	323
7:45 AM	7	58	1	0	10	73	29	0	13	54	7	0	4	55	16	0	327
8:00 AM	7	33	2	0	7	47	10	2	14	41	6	0	5	41	17	0	232
8:15 AM	8	46	2	0	5	45	7	1	16	52	10	0	8	30	8	0	238
8:30 AM	7	48	6	0	11	57	12	1	14	43	8	0	6	34	9	0	256
8:45 AM	4	44	6	0	9	34	18	0	10	49	3	0	5	39	13	0	234
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	55	355	28	0	52	391	132	6	128	417	47	0	43	361	105	0	2120
APPROACH %'s :	12.56%	81.05%	6.39%	0.00%	8.95%	67.30%	22.72%	1.03%	21.62%	70.44%	7.94%	0.00%	8.45%	70.92%	20.63%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	29	184	12	0	20	208	85	2	74	232	20	0	19	217	58	0	1160
PEAK HR FACTOR :	0.81	0.793	0.500	0.000	0.500	0.712	0.733	0.500	0.740	0.921	0.714	0.000	0.594	0.822	0.906	0.000	0.887
	0.852				0.703				0.959				0.855				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	15	63	6	0	17	59	36	0	17	111	8	0	8	65	13	0	418
4:15 PM	10	58	6	0	12	56	22	0	24	132	14	0	10	89	9	0	442
4:30 PM	11	75	17	0	12	82	28	0	16	114	15	0	12	74	6	0	462
4:45 PM	13	63	5	0	16	62	28	0	24	122	6	0	9	87	12	0	447
5:00 PM	3	96	7	0	17	74	24	0	29	101	19	0	9	81	7	0	467
5:15 PM	11	83	8	0	12	58	19	0	23	124	8	0	5	79	18	0	448
5:30 PM	10	80	5	0	9	67	20	0	15	112	15	0	2	71	10	0	416
5:45 PM	14	65	7	0	7	61	18	0	12	114	16	0	6	41	16	0	377
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	87	583	61	0	102	519	195	0	160	930	101	0	61	587	91	0	3477
APPROACH %'s :	11.90%	79.75%	8.34%	0.00%	12.50%	63.60%	23.90%	0.00%	13.43%	78.09%	8.48%	0.00%	8.25%	79.43%	12.31%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	38	317	37	0	57	276	99	0	92	461	48	0	35	321	43	0	1824
PEAK HR FACTOR :	0.73	0.826	0.544	0.000	0.838	0.841	0.884	0.000	0.793	0.929	0.632	0.000	0.729	0.922	0.597	0.000	0.976
	0.925				0.885				0.969				0.924				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & E Base Line Rd
City: Fontana
Control: Signalized

Project ID: 19-06091-004
Date: 5/23/2019

2axle

NS/EW Streets:	Alder Ave				Alder Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	2	1	0	5
7:15 AM	1	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	5
7:30 AM	1	0	0	0	2	0	0	0	1	1	3	0	0	0	1	0	9
7:45 AM	1	0	0	0	1	1	1	0	2	3	0	0	0	1	0	0	10
8:00 AM	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	4
8:15 AM	0	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	4
8:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	1	0	0	3	2	2	0	5	11	3	0	0	8	3	0	41
APPROACH %'s :	75.00%	25.00%	0.00%	0.00%	42.86%	28.57%	28.57%	0.00%	26.32%	57.89%	15.79%	0.00%	0.00%	72.73%	27.27%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	3	0	0	0	3	2	1	0	3	8	3	0	0	4	2	0	29
PEAK HR FACTOR :	0.750	0.000	0.000	0.000	0.375	0.500	0.250	0.000	0.375	0.667	0.250	0.000	0.000	0.500	0.500	0.000	0.725
	0.750				0.500				0.700				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	1	1	0	0	1	1	0	0	0	2	0	0	6
4:15 PM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
4:30 PM	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	4
4:45 PM	0	0	1	0	0	1	2	0	0	2	0	0	1	4	0	0	11
5:00 PM	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	4
5:15 PM	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	4
5:30 PM	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	4
5:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	2	1	0	2	4	3	0	2	13	0	0	1	9	0	0	38
APPROACH %'s :	25.00%	50.00%	25.00%	0.00%	22.22%	44.44%	33.33%	0.00%	13.33%	86.67%	0.00%	0.00%	10.00%	90.00%	0.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	2	1	0	0	2	2	0	1	8	0	0	1	6	0	0	23
PEAK HR FACTOR :	0.00	0.500	0.250	0.000	0.000	0.500	0.250	0.000	0.250	0.667	0.000	0.000	0.250	0.375	0.000	0.000	0.523
	0.750				0.333				0.563				0.350				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & E Base Line Rd
City: Fontana
Control: Signalized

Project ID: 19-06091-004
Date: 5/23/2019

3axle

NS/EW Streets:	Alder Ave				Alder Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
8:00 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
8:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2
8:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2
8:45 AM	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	3	0	0	0	0	2	0	1	3	1	0	0	2	2	0	14
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	20.00%	60.00%	20.00%	0.00%	0.00%	50.00%	50.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	0	4
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.250	0.000	0.000	0.500
										0.375				0.250			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4
4:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
5:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	5	0	0	2	2	3	0	0	1	0	0	0	0	0	0	13
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	28.57%	28.57%	42.86%	0.00%	0.00%	100.00%	0.00%	0.00%					
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	1	0	0	0	2	3	0	0	0	0	0	0	0	0	0	6
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.000	0.500	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
		0.250				0.417											

National Data & Surveying Services

Intersection Turning Movement Count

Location: Alder Ave & E Base Line Rd
City: Fontana
Control: Signalized

Project ID: 19-06091-004
Date: 5/23/2019

4axle

NS/EW Streets:	Alder Ave				Alder Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	3
7:15 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	1	4	0	7
7:30 AM	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	3
7:45 AM	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	4
8:00 AM	0	0	0	0	1	0	0	0	3	0	0	0	1	1	0	0	6
8:15 AM	0	0	0	0	1	0	2	0	2	0	0	0	0	3	1	0	9
8:30 AM	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3	0	5
8:45 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	1	0	0	5	0	5	0	7	2	0	0	1	7	12	0	41
APPROACH %'s :	50.00%	50.00%	0.00%	0.00%	50.00%	0.00%	50.00%	0.00%	77.78%	22.22%	0.00%	0.00%	5.00%	35.00%	60.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	1	0	0	0	2	0	2	0	1	2	0	0	0	3	6	0	17
PEAK HR FACTOR :	0.250	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.250	0.500	0.000	0.000	0.000	0.750	0.375	0.000	0.607
	0.250				0.500				0.750				0.450				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	2	0	0	5
4:15 PM	0	0	0	0	3	0	0	0	1	0	0	0	1	1	0	0	6
4:30 PM	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	2	0	1	0	0	0	0	0	0	2	1	0	6
5:00 PM	0	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0	4
5:15 PM	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0	5
5:30 PM	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	3
5:45 PM	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	2	1	0	11	0	5	0	5	2	0	0	2	6	1	0	35
APPROACH %'s :	0.00%	66.67%	33.33%	0.00%	68.75%	0.00%	31.25%	0.00%	71.43%	28.57%	0.00%	0.00%	22.22%	66.67%	11.11%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	1	0	0	6	0	4	0	3	0	0	0	0	2	1	0	17
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.750	0.000	0.333	0.000	0.375	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.708
	0.250				0.500				0.375				0.250				

Prepared by National Data & Surveying Services

Ayala Dr & SR-210 WB Ramps

Peak Hour Turning Movement Count

ID: 19-06091-007
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:15 PM - 05:15 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Ayala Dr — SOUTHBOUND

AM	269	481	0	0	541	AM
NOON	0	0	0	0	0	NOON
PM	202	494	0	0	674	PM
	0	2	0	0		

SR-210 WB Ramps — EASTBOUND

AM	NOON	PM		
733	0	745	⇦	
0	0	0	↶	0
0	0	0	↱	0
0	0	0	→	0
0	0	0	↴	0
AM	NOON	PM		

CONTROL

Signalized

TEV	2196 AM	0 NOON	2558 PM
PHF	0.95		0.97

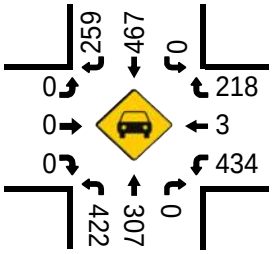
WESTBOUND — SR-210 WB Ramps

PM	NOON	AM		
264	0	221	↰	1.3
5	0	3	←	0.3
645	0	441	↰	1.3
0	0	0	↰	0
0	0	0	⇨	
PM	NOON	AM		

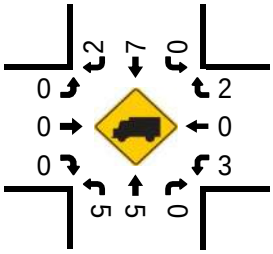
Ayala Dr — NORTHBOUND

PM	1139	0	538	410	0	PM
NOON	0	0	0	0	0	NOON
AM	922	0	461	320	0	AM
		0	2	2	0	

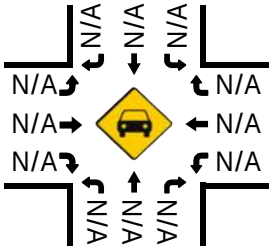
Cars (AM)



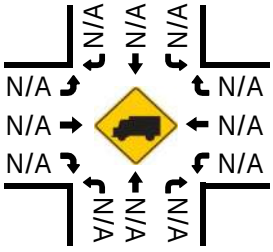
2axle (AM)



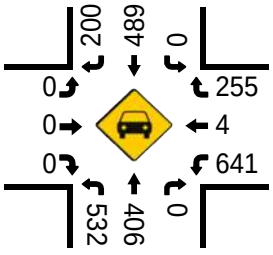
Cars (NOON)



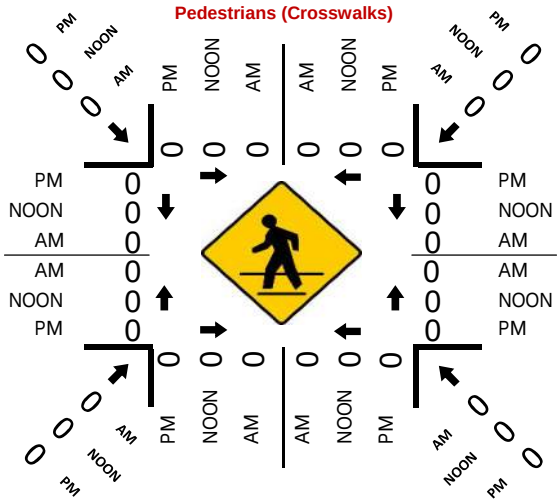
2axle (NOON)



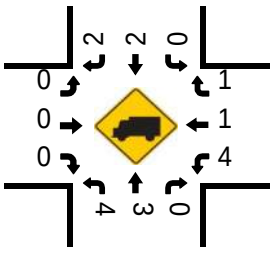
Cars (PM)



Pedestrians (Crosswalks)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-007
Date: 5/23/2019

Total

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	129	93	0	0	0	96	72	0	0	0	0	0	105	0	62	0	557
7:15 AM	100	88	0	0	0	165	75	0	0	0	0	0	101	2	48	0	579
7:30 AM	117	60	0	0	0	105	62	0	0	0	0	0	106	0	57	0	507
7:45 AM	115	79	0	0	0	115	60	0	0	0	0	0	129	1	54	0	553
8:00 AM	110	88	0	0	0	119	54	0	0	0	0	0	79	0	38	0	488
8:15 AM	98	65	0	0	0	94	58	0	0	0	0	0	76	0	25	0	416
8:30 AM	111	62	0	0	0	64	51	0	0	0	0	0	78	0	23	0	389
8:45 AM	118	74	0	0	0	91	49	0	0	0	0	0	98	0	34	0	464
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	898	609	0	0	0	849	481	0	0	0	0	0	772	3	341	0	3953
APPROACH %'s :	59.59%	40.41%	0.00%	0.00%	0.00%	63.83%	36.17%	0.00%					69.18%	0.27%	30.56%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	461	320	0	0	0	481	269	0	0	0	0	0	441	3	221	0	2196
PEAK HR FACTOR :	0.893	0.860	0.000	0.000	0.000	0.729	0.897	0.000	0.000	0.000	0.000	0.000	0.855	0.375	0.891	0.000	0.948
	0.880				0.781								0.904				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	107	114	0	0	0	74	39	0	0	0	0	0	152	0	73	0	559
4:15 PM	143	100	0	0	0	99	45	0	0	0	0	0	172	1	73	0	633
4:30 PM	125	89	0	0	0	118	56	0	0	0	0	0	153	1	73	0	615
4:45 PM	135	110	0	0	0	122	46	0	0	0	0	0	172	1	62	0	648
5:00 PM	135	111	0	0	0	155	55	0	0	0	0	0	148	2	56	0	662
5:15 PM	119	111	0	0	0	34	49	0	0	0	0	0	171	2	50	0	536
5:30 PM	138	119	0	0	0	11	40	0	0	0	0	0	138	1	60	0	507
5:45 PM	117	122	0	0	0	73	38	0	0	0	0	0	170	3	73	0	596
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1019	876	0	0	0	686	368	0	0	0	0	0	1276	11	520	0	4756
APPROACH %'s :	53.77%	46.23%	0.00%	0.00%	0.00%	65.09%	34.91%	0.00%					70.61%	0.61%	28.78%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	538	410	0	0	0	494	202	0	0	0	0	0	645	5	264	0	2558
PEAK HR FACTOR :	0.941	0.923	0.000	0.000	0.000	0.797	0.902	0.000	0.000	0.000	0.000	0.000	0.938	0.625	0.904	0.000	0.966
	0.963				0.829								0.929				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-007
Date: 5/23/2019

Cars

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	120	90	0	0	0	95	70	0	0	0	0	0	104	0	61	0	540
7:15 AM	90	84	0	0	0	161	73	0	0	0	0	0	98	2	48	0	556
7:30 AM	106	59	0	0	0	102	59	0	0	0	0	0	103	0	55	0	484
7:45 AM	106	74	0	0	0	109	57	0	0	0	0	0	129	1	54	0	530
8:00 AM	100	86	0	0	0	115	52	0	0	0	0	0	76	0	32	0	461
8:15 AM	88	59	0	0	0	87	56	0	0	0	0	0	71	0	24	0	385
8:30 AM	102	59	0	0	0	57	47	0	0	0	0	0	77	0	21	0	363
8:45 AM	107	70	0	0	0	85	45	0	0	0	0	0	94	0	34	0	435
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	819	581	0	0	0	811	459	0	0	0	0	0	752	3	329	0	3754
APPROACH %'s :	58.50%	41.50%	0.00%	0.00%	0.00%	63.86%	36.14%	0.00%					69.37%	0.28%	30.35%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	422	307	0	0	0	467	259	0	0	0	0	0	434	3	218	0	2110
PEAK HR FACTOR :	0.88	0.853	0.000	0.000	0.000	0.725	0.887	0.000	0.000	0.000	0.000	0.000	0.841	0.375	0.893	0.000	0.949
	0.868				0.776								0.890				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	104	113	0	0	0	73	38	0	0	0	0	0	151	0	70	0	549
4:15 PM	140	99	0	0	0	98	44	0	0	0	0	0	171	1	71	0	624
4:30 PM	123	89	0	0	0	115	55	0	0	0	0	0	152	1	70	0	605
4:45 PM	135	108	0	0	0	121	46	0	0	0	0	0	171	1	62	0	644
5:00 PM	134	110	0	0	0	155	55	0	0	0	0	0	147	1	52	0	654
5:15 PM	118	111	0	0	0	33	48	0	0	0	0	0	170	2	48	0	530
5:30 PM	138	119	0	0	0	9	40	0	0	0	0	0	138	1	58	0	503
5:45 PM	117	120	0	0	0	70	38	0	0	0	0	0	168	2	71	0	586
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1009	869	0	0	0	674	364	0	0	0	0	0	1268	9	502	0	4695
APPROACH %'s :	53.73%	46.27%	0.00%	0.00%	0.00%	64.93%	35.07%	0.00%					71.28%	0.51%	28.22%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	532	406	0	0	0	489	200	0	0	0	0	0	641	4	255	0	2527
PEAK HR FACTOR :	0.95	0.923	0.000	0.000	0.000	0.789	0.909	0.000	0.000	0.000	0.000	0.000	0.937	1.000	0.898	0.000	0.966
	0.961				0.820								0.926				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-007
Date: 5/23/2019

2axle

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	3	0	0	0	3	0	0	0	0	0	0	1	0	0	0	8
7:30 AM	4	0	0	0	0	3	0	0	0	0	0	0	2	0	2	0	11
7:45 AM	0	2	0	0	0	1	2	0	0	0	0	0	0	0	0	0	5
8:00 AM	1	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	6
8:15 AM	1	4	0	0	0	5	1	0	0	0	0	0	1	0	0	0	12
8:30 AM	1	0	0	0	0	6	0	0	0	0	0	0	0	0	1	0	8
8:45 AM	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	9	9	0	0	0	22	3	0	0	0	0	0	5	0	5	0	53
APPROACH %'s :	50.00%	50.00%	0.00%	0.00%	0.00%	88.00%	12.00%	0.00%					50.00%	0.00%	50.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	5	5	0	0	0	7	2	0	0	0	0	0	3	0	2	0	24
PEAK HR FACTOR :	0.313	0.417	0.000	0.000	0.000	0.583	0.250	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.250	0.000	0.545
	0.625				0.750								0.313				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	2	1	0	0	0	0	1	0	0	0	0	0	0	0	2	0	6
4:15 PM	1	0	0	0	0	1	1	0	0	0	0	0	1	0	1	0	5
4:30 PM	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	4
4:45 PM	0	2	0	0	0	1	0	0	0	0	0	0	1	0	0	0	4
5:00 PM	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	4
5:15 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	2	0	0	0	1	0	0	0	0	0	0	2	1	2	0	8
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	7	6	0	0	0	3	3	0	0	0	0	0	6	2	5	0	32
APPROACH %'s :	53.85%	46.15%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%					46.15%	15.38%	38.46%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	4	3	0	0	0	2	2	0	0	0	0	0	4	1	1	0	17
PEAK HR FACTOR :	0.50	0.375	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	1.000	0.250	0.250	0.000	0.850
	0.875				0.500								0.750				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-007
Date: 5/23/2019

3axle

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
7:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2
7:45 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
8:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	4
8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	5	0	0	0	2	1	0	0	0	0	0	6	0	2	0	16
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	66.67%	33.33%	0.00%					75.00%	0.00%	25.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	1	0	0	0	1	1	0	0	0	0	0	3	0	1	0	7
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.250	0.000	0.875
		0.250				0.500								0.500			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%									0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.750
		0.250												0.500			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 WB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-007
Date: 5/23/2019

4axle

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 WB Ramps				SR-210 WB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	9	3	0	0	0	1	2	0	0	0	0	0	0	0	0	0	15
7:15 AM	9	1	0	0	0	1	2	0	0	0	0	0	1	0	0	0	14
7:30 AM	7	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	10
7:45 AM	9	2	0	0	0	4	1	0	0	0	0	0	0	0	0	0	16
8:00 AM	9	2	0	0	0	1	2	0	0	0	0	0	2	0	3	0	19
8:15 AM	9	1	0	0	0	1	1	0	0	0	0	0	2	0	1	0	15
8:30 AM	8	2	0	0	0	1	4	0	0	0	0	0	1	0	1	0	17
8:45 AM	10	2	0	0	0	5	4	0	0	0	0	0	3	0	0	0	24
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	70	14	0	0	0	14	18	0	0	0	0	0	9	0	5	0	130
APPROACH %'s :	83.33%	16.67%	0.00%	0.00%	0.00%	43.75%	56.25%	0.00%					64.29%	0.00%	35.71%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	34	7	0	0	0	6	7	0	0	0	0	0	1	0	0	0	55
PEAK HR FACTOR :	0.944	0.583	0.000	0.000	0.000	0.375	0.875	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.859
	0.854				0.650								0.250				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	0	2	0	0	0	0	0	0	1.3	0.3	1.3	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	4
4:15 PM	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
4:30 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
5:15 PM	0	0	0	0	0	1	1	0	0	0	0	0	1	0	2	0	5
5:30 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	4
5:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	0	0	0	0	9	1	0	0	0	0	0	2	0	11	0	26
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	0.00%	90.00%	10.00%	0.00%					15.38%	0.00%	84.62%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	2	0	0	0	0	3	0	0	0	0	0	0	0	0	6	0	11
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.550
	0.250				0.250								0.500				

Prepared by National Data & Surveying Services

Ayala Dr & SR-210 EB Ramps

Peak Hour Turning Movement Count

ID: 19-06091-008
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Ayala Dr — SOUTHBOUND

AM	0	670	263	0	831	AM
NOON	0	0	0	0	0	NOON
PM	0	813	239	0	935	PM

0 2 2 0

SR-210 EB Ramps — EASTBOUND

AM	NOON	PM	
0	0	0	
0	0	0	0
112	0	222	1.3
2	0	1	0.3
462	0	561	1.3
AM	NOON	PM	

CONTROL

Signalized

TEV	2668 AM	0 NOON	3199 PM
PHF	0.95		0.95

WESTBOUND — SR-210 EB Ramps

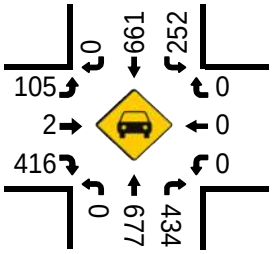
PM	NOON	AM	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
890	0	704	
PM	NOON	AM	

0 0 2 1

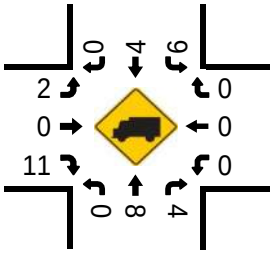
Ayala Dr — NORTHBOUND

PM	1374	0	0	713	650	PM
NOON	0	0	0	0	0	NOON
AM	1133	1	0	719	439	AM

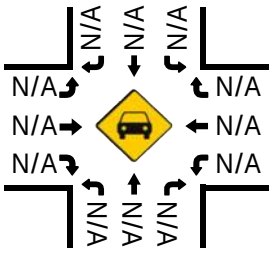
Cars (AM)



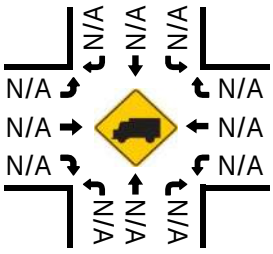
2axle (AM)



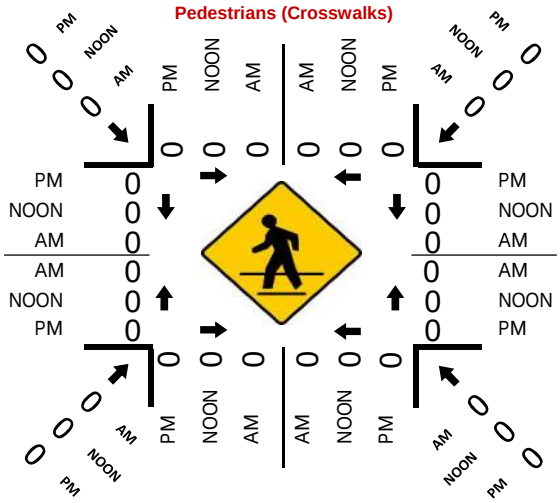
Cars (NOON)



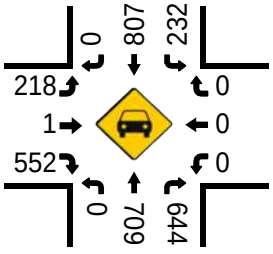
2axle (NOON)



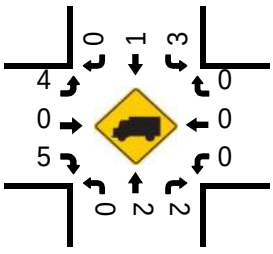
Pedestrians (Crosswalks)



Cars (PM)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-008
Date: 5/23/2019

Total

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	195	120	0	61	151	0	0	23	0	104	0	0	0	0	0	654
7:15 AM	0	199	97	0	78	185	0	0	33	1	112	0	0	0	0	0	705
7:30 AM	0	156	105	0	66	146	0	0	24	1	113	0	0	0	0	0	611
7:45 AM	0	169	117	1	58	188	0	0	32	0	133	0	0	0	0	0	698
8:00 AM	0	172	111	0	49	157	0	0	33	1	99	0	0	0	0	0	622
8:15 AM	0	138	100	0	57	137	0	0	32	0	114	0	0	0	0	0	578
8:30 AM	0	138	98	0	32	130	0	0	27	1	62	0	0	0	0	0	488
8:45 AM	0	121	73	0	31	95	0	0	17	1	95	0	0	0	0	0	433
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1288	821	1	432	1189	0	0	221	5	832	0	0	0	0	0	4789
APPROACH %'s :	0.00%	61.04%	38.91%	0.05%	26.65%	73.35%	0.00%	0.00%	20.89%	0.47%	78.64%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	719	439	1	263	670	0	0	112	2	462	0	0	0	0	0	2668
PEAK HR FACTOR :	0.000	0.903	0.915	0.250	0.843	0.891	0.000	0.000	0.848	0.500	0.868	0.000	0.000	0.000	0.000	0.000	0.946
		0.920				0.887				0.873							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	179	160	0	52	215	0	0	57	0	147	0	0	0	0	0	810
4:15 PM	0	153	147	0	68	221	0	0	42	0	124	0	0	0	0	0	755
4:30 PM	0	197	187	0	61	184	0	0	57	0	160	0	0	0	0	0	846
4:45 PM	0	184	156	0	58	193	0	0	66	1	130	0	0	0	0	0	788
5:00 PM	0	170	158	0	48	181	0	0	48	2	138	0	0	0	0	0	745
5:15 PM	0	177	162	0	29	185	0	0	68	1	164	0	0	0	0	0	786
5:30 PM	0	169	129	0	53	188	0	0	73	2	183	0	0	0	0	0	797
5:45 PM	0	161	128	0	32	195	0	0	91	1	189	0	0	0	0	0	797
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1390	1227	0	401	1562	0	0	502	7	1235	0	0	0	0	0	6324
APPROACH %'s :	0.00%	53.11%	46.89%	0.00%	20.43%	79.57%	0.00%	0.00%	28.78%	0.40%	70.81%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	713	650	0	239	813	0	0	222	1	561	0	0	0	0	0	3199
PEAK HR FACTOR :	0.000	0.905	0.869	0.000	0.879	0.920	0.000	0.000	0.841	0.250	0.877	0.000	0.000	0.000	0.000	0.000	0.945
		0.887				0.910				0.903							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-008
Date: 5/23/2019

Cars

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	188	119	0	59	150	0	0	21	0	95	0	0	0	0	0	632
7:15 AM	0	186	95	0	75	183	0	0	31	1	99	0	0	0	0	0	670
7:30 AM	0	143	105	0	64	144	0	0	22	1	103	0	0	0	0	0	582
7:45 AM	0	160	115	1	54	184	0	0	31	0	119	0	0	0	0	0	664
8:00 AM	0	153	109	0	46	153	0	0	30	1	91	0	0	0	0	0	583
8:15 AM	0	129	97	0	53	129	0	0	29	0	102	0	0	0	0	0	539
8:30 AM	0	129	98	0	28	123	0	0	26	1	52	0	0	0	0	0	457
8:45 AM	0	109	71	0	30	88	0	0	13	1	86	0	0	0	0	0	398
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1197	809	1	409	1154	0	0	203	5	747	0	0	0	0	0	4525
APPROACH %'s :	0.00%	59.64%	40.31%	0.05%	26.17%	73.83%	0.00%	0.00%	21.26%	0.52%	78.22%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	677	434	1	252	661	0	0	105	2	416	0	0	0	0	0	2548
PEAK HR FACTOR :	0.00	0.900	0.912	0.250	0.840	0.898	0.000	0.000	0.847	0.500	0.874	0.000	0.000	0.000	0.000	0.000	0.951
		0.906				0.885				0.872							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	178	159	0	51	213	0	0	57	0	145	0	0	0	0	0	803
4:15 PM	0	153	145	0	67	219	0	0	40	0	120	0	0	0	0	0	744
4:30 PM	0	196	185	0	56	183	0	0	56	0	158	0	0	0	0	0	834
4:45 PM	0	182	155	0	58	192	0	0	65	1	129	0	0	0	0	0	782
5:00 PM	0	168	157	0	48	181	0	0	47	2	136	0	0	0	0	0	739
5:15 PM	0	177	161	0	25	185	0	0	67	1	162	0	0	0	0	0	778
5:30 PM	0	169	129	0	53	187	0	0	73	2	181	0	0	0	0	0	794
5:45 PM	0	159	127	0	31	193	0	0	91	1	189	0	0	0	0	0	791
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1382	1218	0	389	1553	0	0	496	7	1220	0	0	0	0	0	6265
APPROACH %'s :	0.00%	53.15%	46.85%	0.00%	20.03%	79.97%	0.00%	0.00%	28.79%	0.41%	70.81%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	709	644	0	232	807	0	0	218	1	552	0	0	0	0	0	3163
PEAK HR FACTOR :	0.00	0.904	0.870	0.000	0.866	0.921	0.000	0.000	0.838	0.250	0.873	0.000	0.000	0.000	0.000	0.000	0.948
		0.888				0.908				0.901							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-008
Date: 5/23/2019

2axle

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
7:15 AM	0	3	2	0	3	1	0	0	1	0	4	0	0	0	0	0	14
7:30 AM	0	4	0	0	2	2	0	0	1	0	2	0	0	0	0	0	11
7:45 AM	0	1	2	0	1	1	0	0	0	0	2	0	0	0	0	0	7
8:00 AM	0	4	2	0	1	2	0	0	1	0	1	0	0	0	0	0	11
8:15 AM	0	2	1	0	2	4	0	0	0	0	2	0	0	0	0	0	11
8:30 AM	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6
8:45 AM	0	1	2	0	1	1	0	0	2	0	2	0	0	0	0	0	9
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	15	9	0	12	15	0	0	5	0	16	0	0	0	0	0	72
APPROACH %'s :	0.00%	62.50%	37.50%	0.00%	44.44%	55.56%	0.00%	0.00%	23.81%	0.00%	76.19%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	8	4	0	6	4	0	0	2	0	11	0	0	0	0	0	35
PEAK HR FACTOR :	0.000	0.500	0.500	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.688	0.000	0.000	0.000	0.000	0.000	0.625
		0.600				0.625				0.650							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	3
4:15 PM	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0	6
4:30 PM	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	3
4:45 PM	0	2	1	0	0	0	0	0	1	0	1	0	0	0	0	0	5
5:00 PM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
5:15 PM	0	0	1	0	2	0	0	0	1	0	1	0	0	0	0	0	5
5:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:45 PM	0	2	1	0	1	2	0	0	0	0	0	0	0	0	0	0	6
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	5	4	0	6	4	0	0	5	0	7	0	0	0	0	0	31
APPROACH %'s :	0.00%	55.56%	44.44%	0.00%	60.00%	40.00%	0.00%	0.00%	41.67%	0.00%	58.33%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	2	2	0	3	1	0	0	4	0	5	0	0	0	0	0	17
PEAK HR FACTOR :	0.00	0.250	0.500	0.000	0.375	0.250	0.000	0.000	0.500	0.000	0.417	0.000	0.000	0.000	0.000	0.000	0.708
		0.333				0.500				0.450							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-008
Date: 5/23/2019

3axle

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7:45 AM	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3
8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	3
8:30 AM	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
8:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	3	0	0	1	7	0	0	2	0	1	0	0	0	0	0	14
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	12.50%	87.50%	0.00%	0.00%	66.67%	0.00%	33.33%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	2	0	0	0	3	0	0	0	0	1	0	0	0	0	0	6
PEAK HR FACTOR :	0.000	0.500	0.000	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.500
		0.500				0.375				0.250							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%					0.00%	0.00%	100.00%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250
		0.250								0.250							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & SR-210 EB Ramps
City: Rialto
Control: Signalized

Project ID: 19-06091-008
Date: 5/23/2019

4axle

NS/EW Streets:	Ayala Dr				Ayala Dr				SR-210 EB Ramps				SR-210 EB Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	7	1	0	2	0	0	0	2	0	6	0	0	0	0	0	18
7:15 AM	0	9	0	0	0	1	0	0	1	0	9	0	0	0	0	0	20
7:30 AM	0	9	0	0	0	0	0	0	1	0	7	0	0	0	0	0	17
7:45 AM	0	7	0	0	3	1	0	0	1	0	12	0	0	0	0	0	24
8:00 AM	0	14	0	0	2	2	0	0	2	0	7	0	0	0	0	0	27
8:15 AM	0	7	2	0	2	2	0	0	2	0	10	0	0	0	0	0	25
8:30 AM	0	9	0	0	1	3	0	0	0	0	10	0	0	0	0	0	23
8:45 AM	0	11	0	0	0	4	0	0	2	0	7	0	0	0	0	0	24
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	73	3	0	10	13	0	0	11	0	68	0	0	0	0	0	178
APPROACH %'s :	0.00%	96.05%	3.95%	0.00%	43.48%	56.52%	0.00%	0.00%	13.92%	0.00%	86.08%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	32	1	0	5	2	0	0	5	0	34	0	0	0	0	0	79
PEAK HR FACTOR :	0.000	0.889	0.250	0.000	0.417	0.500	0.000	0.000	0.625	0.000	0.708	0.000	0.000	0.000	0.000	0.000	0.823
		0.917				0.438				0.750							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	2	2	0	0	1.3	0.3	1.3	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
4:15 PM	0	0	2	0	1	1	0	0	0	0	1	0	0	0	0	0	5
4:30 PM	0	1	2	0	3	1	0	0	0	0	2	0	0	0	0	0	9
4:45 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	4
5:15 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	2	5	0	6	5	0	0	1	0	6	0	0	0	0	0	25
APPROACH %'s :	0.00%	28.57%	71.43%	0.00%	54.55%	45.45%	0.00%	0.00%	14.29%	0.00%	85.71%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	1	4	0	4	5	0	0	0	0	3	0	0	0	0	0	17
PEAK HR FACTOR :	0.00	0.250	0.500	0.000	0.333	0.625	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.472
		0.417				0.563				0.375							

Prepared by National Data & Surveying Services

Ayala Dr & W Renaissance Pkwy

Peak Hour Turning Movement Count

ID: 19-06091-009
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Ayala Dr — SOUTHBOUND

AM	305	679	143	0	1151	AM
NOON	0	0	0	0	0	NOON
PM	560	573	242	0	1355	PM
	1	2	1	0		

W Renaissance Pkwy — EASTBOUND

AM	NOON	PM		
438	0	825	⇦	
1	0	3	↶	0
191	0	467	↱	1
66	0	179	→	2
59	0	124	↴	0
AM	NOON	PM		

CONTROL

Signalized

TEV	2565 AM	0 NOON	3374 PM
PHF	0.95		0.99

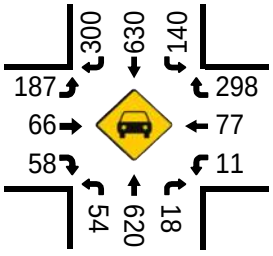
W Renaissance Pkwy — WESTBOUND

PM	NOON	AM		
0	0	0	↰	0
35	0	11	↰	1
149	0	78	←	2
223	0	299	↰	0
PM	NOON	AM		
462	0	227	⇨	

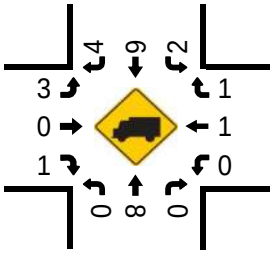
Ayala Dr — NORTHBOUND

PM	732	0	113	665	41	PM
NOON	0	0	0	0	0	NOON
AM	749	0	54	661	18	AM
		0	1	2	1	

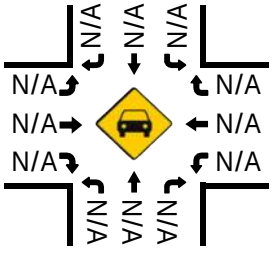
Cars (AM)



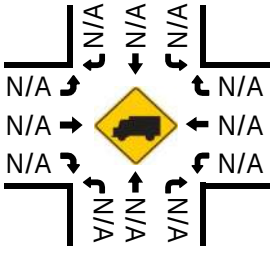
2axle (AM)



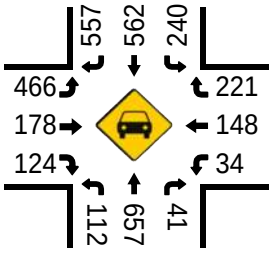
Cars (NOON)



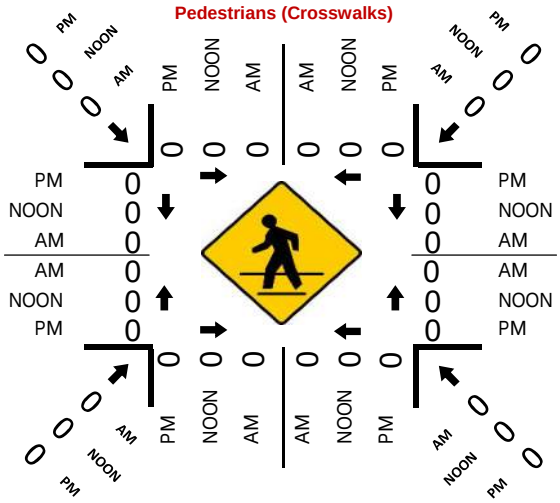
2axle (NOON)



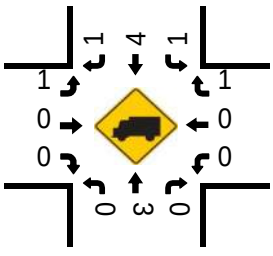
Cars (PM)



Pedestrians (Crosswalks)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-009
Date: 5/23/2019

Total

NS/EW Streets:	Ayala Dr				Ayala Dr				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	18	179	3	0	37	146	68	0	52	11	21	0	6	27	98	0	666
7:15 AM	13	168	4	0	43	200	66	0	37	24	14	0	2	11	81	0	663
7:30 AM	13	149	3	0	29	136	80	0	52	14	11	1	0	19	56	0	563
7:45 AM	10	165	8	0	34	197	91	0	50	17	13	0	3	21	64	0	673
8:00 AM	17	183	7	0	34	119	83	0	45	13	21	0	4	21	62	0	609
8:15 AM	15	145	4	0	52	162	61	0	49	11	19	0	2	18	37	0	575
8:30 AM	19	127	7	0	21	99	59	0	45	17	3	0	1	16	53	0	467
8:45 AM	12	120	6	0	32	104	69	0	59	15	16	0	3	16	34	0	486
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	117	1236	42	0	282	1163	577	0	389	122	118	1	21	149	485	0	4702
APPROACH %'s :	8.39%	88.60%	3.01%	0.00%	13.95%	57.52%	28.54%	0.00%	61.75%	19.37%	18.73%	0.16%	3.21%	22.75%	74.05%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	54	661	18	0	143	679	305	0	191	66	59	1	11	78	299	0	2565
PEAK HR FACTOR :	0.750	0.923	0.563	0.000	0.831	0.849	0.838	0.000	0.918	0.688	0.702	0.250	0.458	0.722	0.763	0.000	0.953
	0.916				0.875				0.943				0.740				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	24	158	14	0	64	132	175	0	109	40	28	1	7	33	62	0	847
4:15 PM	37	166	3	0	55	143	144	0	123	48	32	2	10	38	49	0	850
4:30 PM	26	161	10	0	64	141	123	0	106	41	38	0	11	40	66	0	827
4:45 PM	26	180	14	0	59	157	118	0	129	50	26	0	7	38	46	0	850
5:00 PM	25	151	5	0	60	138	118	0	123	47	30	0	2	37	63	0	799
5:15 PM	32	169	9	0	71	160	130	0	100	43	27	2	10	37	58	0	848
5:30 PM	30	142	9	0	66	166	137	0	113	50	26	1	7	35	57	0	839
5:45 PM	29	151	15	0	70	160	145	0	79	48	31	0	6	49	56	0	839
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	229	1278	79	0	509	1197	1090	0	882	367	238	6	60	307	457	0	6699
APPROACH %'s :	14.44%	80.58%	4.98%	0.00%	18.20%	42.81%	38.98%	0.00%	59.08%	24.58%	15.94%	0.40%	7.28%	37.26%	55.46%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	113	665	41	0	242	573	560	0	467	179	124	3	35	149	223	0	3374
PEAK HR FACTOR :	0.764	0.924	0.732	0.000	0.945	0.912	0.800	0.000	0.905	0.895	0.816	0.375	0.795	0.931	0.845	0.000	0.992
	0.931				0.927				0.943				0.870				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-009
Date: 5/23/2019

Cars

NS/EW Streets:	Ayala Dr				Ayala Dr				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	18	172	3	0	37	134	67	0	51	11	20	0	6	27	98	0	644
7:15 AM	13	156	4	0	40	190	65	0	35	24	14	0	2	11	80	0	634
7:30 AM	13	137	3	0	29	129	78	0	51	14	11	1	0	19	56	0	541
7:45 AM	10	155	8	0	34	177	90	0	50	17	13	0	3	20	64	0	641
8:00 AM	16	164	7	0	34	113	82	0	45	13	21	0	4	21	62	0	582
8:15 AM	15	134	4	0	52	143	58	0	47	11	19	0	2	18	36	0	539
8:30 AM	19	117	7	0	21	84	58	0	45	16	3	0	1	16	53	0	440
8:45 AM	12	107	6	0	31	90	66	0	58	15	14	0	3	16	34	0	452
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	116	1142	42	0	278	1060	564	0	382	121	115	1	21	148	483	0	4473
APPROACH %'s :	8.92%	87.85%	3.23%	0.00%	14.62%	55.73%	29.65%	0.00%	61.71%	19.55%	18.58%	0.16%	3.22%	22.70%	74.08%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	54	620	18	0	140	630	300	0	187	66	58	1	11	77	298	0	2460
PEAK HR FACTOR :	0.75	0.901	0.563	0.000	0.875	0.829	0.833	0.000	0.917	0.688	0.725	0.250	0.458	0.713	0.760	0.000	0.955
	0.896				0.889				0.951				0.737				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	24	156	14	0	64	131	173	0	109	40	28	1	7	33	61	0	841
4:15 PM	37	165	3	0	54	136	144	0	123	48	32	2	9	38	49	0	840
4:30 PM	25	159	10	0	64	139	123	0	106	40	38	0	11	39	66	0	820
4:45 PM	26	177	14	0	58	156	117	0	128	50	26	0	7	38	45	0	842
5:00 PM	25	150	5	0	60	137	117	0	123	47	30	0	2	37	63	0	796
5:15 PM	32	169	9	0	70	160	130	0	99	42	27	2	10	36	58	0	844
5:30 PM	30	141	9	0	66	165	135	0	112	50	26	1	7	35	57	0	834
5:45 PM	29	150	15	0	70	159	145	0	79	48	31	0	6	49	55	0	836
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	228	1267	79	0	506	1183	1084	0	879	365	238	6	59	305	454	0	6653
APPROACH %'s :	14.49%	80.50%	5.02%	0.00%	18.25%	42.66%	39.09%	0.00%	59.07%	24.53%	15.99%	0.40%	7.21%	37.29%	55.50%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	112	657	41	0	240	562	557	0	466	178	124	3	34	148	221	0	3343
PEAK HR FACTOR :	0.76	0.928	0.732	0.000	0.938	0.901	0.805	0.000	0.910	0.890	0.816	0.375	0.773	0.949	0.837	0.000	0.993
	0.933				0.923				0.940				0.869				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-009
Date: 5/23/2019

2axle

NS/EW Streets:	Ayala Dr				Ayala Dr				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	2	1	0	0	0	1	0	0	0	0	0	4
7:15 AM	0	2	0	0	2	3	0	0	2	0	0	0	0	0	1	0	10
7:30 AM	0	4	0	0	0	1	2	0	1	0	0	0	0	0	0	0	8
7:45 AM	0	2	0	0	0	3	1	0	0	0	0	0	0	1	0	0	7
8:00 AM	1	6	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9
8:15 AM	0	2	0	0	0	3	3	0	1	0	0	0	0	0	0	0	9
8:30 AM	0	0	0	0	0	5	0	0	0	1	0	0	0	0	0	0	6
8:45 AM	0	2	0	0	1	0	2	0	1	0	1	0	0	0	0	0	7
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	18	0	0	3	19	9	0	5	1	2	0	0	1	1	0	60
APPROACH %'s :	5.26%	94.74%	0.00%	0.00%	9.68%	61.29%	29.03%	0.00%	62.50%	12.50%	25.00%	0.00%	0.00%	50.00%	50.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	8	0	0	2	9	4	0	3	0	1	0	0	1	1	0	29
PEAK HR FACTOR :	0.000	0.500	0.000	0.000	0.250	0.750	0.500	0.000	0.375	0.000	0.250	0.000	0.000	0.250	0.250	0.000	0.725
	0.500				0.750				0.500				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
4:15 PM	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	2	0	0	0	1	0	0	1	0	0	0	0	0	1	0	5
5:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	3
5:30 PM	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	3
5:45 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	4	0	0	2	6	2	0	3	1	0	0	0	0	2	0	20
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	20.00%	60.00%	20.00%	0.00%	75.00%	25.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	3	0	0	1	4	1	0	1	0	0	0	0	0	1	0	11
PEAK HR FACTOR :	0.00	0.375	0.000	0.000	0.250	0.333	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.550
	0.375				0.375				0.250				0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-009
Date: 5/23/2019

3axle

NS/EW Streets:	Ayala Dr				Ayala Dr				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
8:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	2	0	0	0	7	1	0	1	0	0	0	0	0	0	0	11
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	87.50%	12.50%	0.00%	100.00%	0.00%	0.00%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	4
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.500	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
	0.250				0.500				0.250								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
4:30 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	5
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%					50.00%	0.00%	50.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	1	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	5
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.625
	0.250				0.500								0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & W Renaissance Pkwy
City: Rialto
Control: Signalized

Project ID: 19-06091-009
Date: 5/23/2019

4axle

NS/EW Streets:	Ayala Dr				Ayala Dr				W Renaissance Pkwy				W Renaissance Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	7	0	0	0	10	0	0	0	0	0	0	0	0	0	0	17
7:15 AM	0	10	0	0	1	7	1	0	0	0	0	0	0	0	0	0	19
7:30 AM	0	8	0	0	0	5	0	0	0	0	0	0	0	0	0	0	13
7:45 AM	0	7	0	0	0	16	0	0	0	0	0	0	0	0	0	0	23
8:00 AM	0	12	0	0	0	4	1	0	0	0	0	0	0	0	0	0	17
8:15 AM	0	9	0	0	0	14	0	0	1	0	0	0	0	0	1	0	25
8:30 AM	0	10	0	0	0	9	1	0	0	0	0	0	0	0	0	0	20
8:45 AM	0	11	0	0	0	12	0	0	0	0	1	0	0	0	0	0	24
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	74	0	0	1	77	3	0	1	0	1	0	0	0	1	0	158
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	1.23%	95.06%	3.70%	0.00%	50.00%	0.00%	50.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	32	0	0	1	38	1	0	0	0	0	0	0	0	0	0	72
PEAK HR FACTOR :	0.000	0.800	0.000	0.000	0.250	0.594	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.783
		0.800				0.625											

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3
4:15 PM	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4
4:30 PM	0	2	0	0	0	2	0	0	0	1	0	0	0	1	0	0	6
4:45 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
5:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
5:30 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
5:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	7	0	0	0	7	4	0	0	1	0	0	0	2	0	0	21
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	63.64%	36.36%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	5	0	0	0	6	2	0	0	1	0	0	0	1	0	0	15
PEAK HR FACTOR :	0.00	0.625	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.625
		0.625				0.667				0.250				0.250			

Prepared by National Data & Surveying Services

Ayala Dr & Fitzgerald Ave

Peak Hour Turning Movement Count

ID: 19-06091-010
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM	07:00 AM - 08:00 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Ayala Dr — SOUTHBOUND

AM	33	580	107	1	719	AM
NOON	0	0	0	0	0	NOON
PM	2	665	136	4	866	PM
	0	2	1	0		

Fitzgerald Ave — EASTBOUND

AM	NOON	PM		
39	0	5		
0	0	0	0	
0	0	2	0	
3	0	0	1	
0	0	3	0	
AM	NOON	PM		

CONTROL

2-Way Stop (EB/WB)

TEV	1456 AM	0 NOON	1687 PM
PHF	0.96		0.93

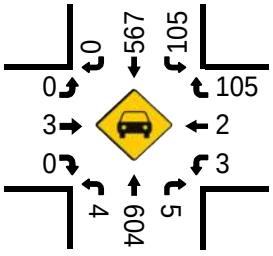
Fitzgerald Ave — WESTBOUND

	PM	NOON	AM
0	131	0	105
1	1	0	2
0	4	0	3
0	0	0	0
	142	0	115
	PM	NOON	AM

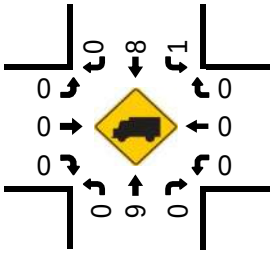
Ayala Dr — NORTHBOUND

PM	674	2	2	729	6	PM
NOON	0	0	0	0	0	NOON
AM	583	0	4	613	5	AM
		0	1	1	0	

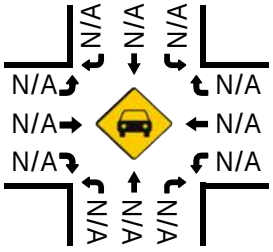
Cars (AM)



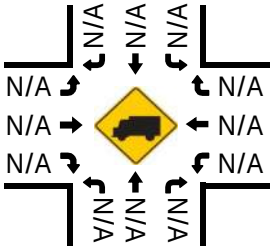
2axle (AM)



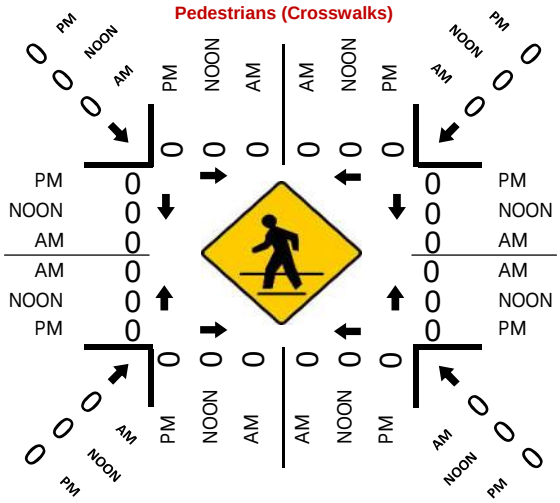
Cars (NOON)



2axle (NOON)



Pedestrians (Crosswalks)


PM
NOON
AM
0
0
0
0
0
0

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & Fitzgerald Ave
City: Rialto
Control: 2-Way Stop (EB/WB)

Project ID: 19-06091-010
Date: 5/23/2019

Total

NS/EW Streets:	Ayala Dr				Ayala Dr				Fitzgerald Ave				Fitzgerald Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	160	2	0	24	130	7	0	0	0	0	0	0	0	50	0	373
7:15 AM	1	131	1	0	26	180	8	1	0	0	0	0	1	0	27	0	376
7:30 AM	2	154	0	0	24	123	6	0	0	2	0	0	0	2	13	0	326
7:45 AM	1	168	2	0	33	147	12	0	0	1	0	0	2	0	15	0	381
8:00 AM	2	166	3	0	21	128	7	1	1	1	0	0	0	1	19	0	350
8:15 AM	1	148	3	0	22	120	12	2	0	2	0	0	0	1	14	0	325
8:30 AM	1	116	2	0	19	84	8	1	0	0	0	0	0	2	26	0	259
8:45 AM	2	109	0	0	16	85	9	1	0	3	1	0	1	1	26	0	254
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	10	1152	13	0	185	997	69	6	1	9	1	0	4	7	190	0	2644
APPROACH %'s :	0.85%	98.04%	1.11%	0.00%	14.72%	79.32%	5.49%	0.48%	9.09%	81.82%	9.09%	0.00%	1.99%	3.48%	94.53%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	4	613	5	0	107	580	33	1	0	3	0	0	3	2	105	0	1456
PEAK HR FACTOR :	0.500	0.912	0.625	0.000	0.811	0.806	0.688	0.250	0.000	0.375	0.000	0.000	0.375	0.250	0.525	0.000	0.955
	0.909				0.838				0.375				0.550				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	2	177	0	0	36	148	0	3	3	0	0	0	0	0	31	0	400
4:15 PM	3	185	3	0	27	160	0	0	1	0	1	0	0	0	31	0	411
4:30 PM	0	195	3	2	34	183	0	0	1	0	1	0	2	0	33	0	454
4:45 PM	0	182	2	0	30	150	0	2	1	0	0	0	0	0	34	0	401
5:00 PM	1	183	1	0	35	153	2	0	0	0	1	0	1	1	34	0	412
5:15 PM	1	169	0	0	37	179	0	2	0	0	1	0	1	0	30	0	420
5:30 PM	0	187	1	0	37	179	0	4	0	1	1	0	1	0	29	0	440
5:45 PM	1	163	1	0	41	178	2	1	1	0	2	0	0	0	21	0	411
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	8	1441	11	2	277	1330	4	12	7	1	7	0	5	1	243	0	3349
APPROACH %'s :	0.55%	98.56%	0.75%	0.14%	17.07%	81.95%	0.25%	0.74%	46.67%	6.67%	46.67%	0.00%	2.01%	0.40%	97.59%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	2	729	6	2	136	665	2	4	2	0	3	0	4	1	131	0	1687
PEAK HR FACTOR :	0.500	0.935	0.500	0.250	0.919	0.908	0.250	0.500	0.500	0.000	0.750	0.000	0.500	0.250	0.963	0.000	0.929
	0.924				0.925				0.625				0.944				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & Fitzgerald Ave
City: Rialto
Control: 2-Way Stop (EB/WB)

Project ID: 19-06091-010
Date: 5/23/2019

Cars

NS/EW Streets:	Ayala Dr				Ayala Dr				Fitzgerald Ave				Fitzgerald Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	158	2	0	23	128	0	0	0	0	0	0	0	0	50	0	361
7:15 AM	1	130	1	0	26	176	0	1	0	0	0	0	1	0	27	0	363
7:30 AM	2	151	0	0	23	122	0	0	0	2	0	0	0	2	13	0	315
7:45 AM	1	165	2	0	33	141	0	0	0	1	0	0	2	0	15	0	360
8:00 AM	2	159	3	0	21	125	1	1	1	1	0	0	0	1	17	0	332
8:15 AM	1	147	3	0	21	117	2	2	0	1	0	0	0	1	13	0	308
8:30 AM	1	115	2	0	17	80	0	1	0	0	0	0	0	1	25	0	242
8:45 AM	2	108	0	0	16	77	1	1	0	3	1	0	1	1	24	0	235
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	10	1133	13	0	180	966	4	6	1	8	1	0	4	6	184	0	2516
APPROACH %'s :	0.87%	98.01%	1.12%	0.00%	15.57%	83.56%	0.35%	0.52%	10.00%	80.00%	10.00%	0.00%	2.06%	3.09%	94.85%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	4	604	5	0	105	567	0	1	0	3	0	0	3	2	105	0	1399
PEAK HR FACTOR :	0.50	0.915	0.625	0.000	0.795	0.805	0.000	0.250	0.000	0.375	0.000	0.000	0.375	0.250	0.525	0.000	0.963
		0.912				0.829				0.375				0.550			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	2	176	0	0	36	147	0	3	3	0	0	0	0	0	31	0	398
4:15 PM	3	185	3	0	27	154	0	0	1	0	1	0	0	0	31	0	405
4:30 PM	0	192	3	2	34	181	0	0	1	0	0	0	2	0	33	0	448
4:45 PM	0	180	2	0	30	149	0	2	1	0	0	0	0	0	33	0	397
5:00 PM	1	182	1	0	35	152	2	0	0	0	1	0	0	1	34	0	409
5:15 PM	1	169	0	0	37	178	0	2	0	0	1	0	1	0	29	0	418
5:30 PM	0	187	1	0	36	178	0	4	0	1	1	0	1	0	29	0	438
5:45 PM	1	163	1	0	41	176	1	1	1	0	2	0	0	0	21	0	408
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	8	1434	11	2	276	1315	3	12	7	1	6	0	4	1	241	0	3321
APPROACH %'s :	0.55%	98.56%	0.76%	0.14%	17.19%	81.88%	0.19%	0.75%	50.00%	7.14%	42.86%	0.00%	1.63%	0.41%	97.97%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	2	723	6	2	136	660	2	4	2	0	2	0	3	1	129	0	1672
PEAK HR FACTOR :	0.50	0.941	0.500	0.250	0.919	0.912	0.250	0.500	0.500	0.000	0.500	0.000	0.375	0.250	0.949	0.000	0.933
		0.930				0.924				1.000				0.950			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & Fitzgerald Ave
City: Rialto
Control: 2-Way Stop (EB/WB)

Project ID: 19-06091-010
Date: 5/23/2019

2axle

NS/EW Streets:	Ayala Dr				Ayala Dr				Fitzgerald Ave				Fitzgerald Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	4
7:15 AM	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4
7:30 AM	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
7:45 AM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4
8:00 AM	0	5	0	0	0	1	0	0	0	0	0	0	0	0	1	0	7
8:15 AM	0	1	0	0	0	3	0	0	0	1	0	0	0	0	1	0	6
8:30 AM	0	0	0	0	1	3	0	0	0	0	0	0	0	0	1	0	5
8:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	12	0	0	2	17	0	0	0	1	0	0	0	0	4	0	36
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	10.53%	89.47%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	6	0	0	1	8	0	0	0	0	0	0	0	0	0	0	15
PEAK HR FACTOR :	0.000	0.750	0.000	0.000	0.250	0.667	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.938
	0.750				0.750												

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
5:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5:30 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
5:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	3	0	0	1	7	0	0	0	0	0	0	0	0	1	0	12
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	12.50%	87.50%	0.00%	0.00%					0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	3	0	0	0	1	0	0	0	0	0	0	0	0	1	0	5
PEAK HR FACTOR :	0.00	0.375	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.417
	0.375				0.250								0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & Fitzgerald Ave
City: Rialto
Control: 2-Way Stop (EB/WB)

Project ID: 19-06091-010
Date: 5/23/2019

3axle

NS/EW Streets:	Ayala Dr				Ayala Dr				Fitzgerald Ave				Fitzgerald Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	5
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
	0.250				0.250												

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
5:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	0	1	1	0	0	0	1	0	1	0	0	0	5
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	1	0	0	0	1	0	0	0	0	1	0	1	0	0	0	4
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.500
	0.250				0.250				0.250				0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ayala Dr & Fitzgerald Ave
City: Rialto
Control: 2-Way Stop (EB/WB)

Project ID: 19-06091-010
Date: 5/23/2019

4axle

NS/EW Streets:	Ayala Dr				Ayala Dr				Fitzgerald Ave				Fitzgerald Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	0	0	7	0	0	0	0	0	0	0	0	0	8
7:15 AM	0	0	0	0	0	1	8	0	0	0	0	0	0	0	0	0	9
7:30 AM	0	0	0	0	1	0	6	0	0	0	0	0	0	0	0	0	7
7:45 AM	0	1	0	0	0	3	12	0	0	0	0	0	0	0	0	0	16
8:00 AM	0	2	0	0	0	1	6	0	0	0	0	0	0	0	1	0	10
8:15 AM	0	0	0	0	1	0	10	0	0	0	0	0	0	0	0	0	11
8:30 AM	0	1	0	0	1	1	8	0	0	0	0	0	0	1	0	0	12
8:45 AM	0	1	0	0	0	4	8	0	0	0	0	0	0	0	1	0	14
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	6	0	0	3	10	65	0	0	0	0	0	0	1	2	0	87
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	3.85%	12.82%	83.33%	0.00%					0.00%	33.33%	66.67%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	2	0	0	1	4	33	0	0	0	0	0	0	0	0	0	40
PEAK HR FACTOR :	0.000	0.500	0.000	0.000	0.250	0.333	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625
		0.500				0.633											

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
4:15 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
4:30 PM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	3	0	0	0	7	0	0	0	0	0	0	0	0	1	0	11
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%					0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	2	0	0	0	3	0	0	0	0	0	0	0	0	1	0	6
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.375
		0.250				0.375									0.250		

Prepared by National Data & Surveying Services

N Cedar Ave & E Base Line Rd

Peak Hour Turning Movement Count

ID: 19-06091-011
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND (N Cedar Ave)

AM	43	492	42	3	644	AM
NOON	0	0	0	0	0	NOON
PM	76	514	71	5	767	PM
	0	2	2	0		

EASTBOUND (E Base Line Rd)

AM	NOON	PM	
499	0	535	
7	0	12	0
91	0	122	1
286	0	379	2
102	0	115	0
AM	NOON	PM	

WESTBOUND (E Base Line Rd)

PM	NOON	AM	
54	0	32	0
341	0	341	2
80	0	73	1
5	0	5	0
555	0	388	
PM	NOON	AM	

NORTHBOUND (N Cedar Ave)

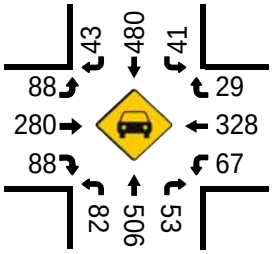
PM	709	0	106	586	100	PM
NOON	0	0	0	0	0	NOON
AM	667	0	108	518	55	AM
		0	2	2	0	

CONTROL

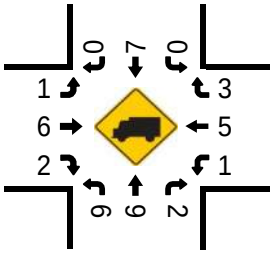
Signalized

TEV	2198 AM	0 NOON	2566 PM
PHF	0.85		0.97

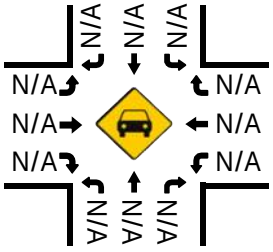
Cars (AM)



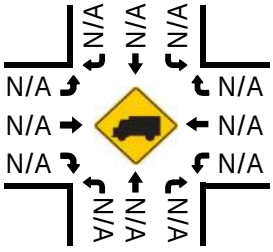
2axle (AM)



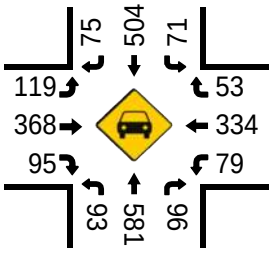
Cars (NOON)



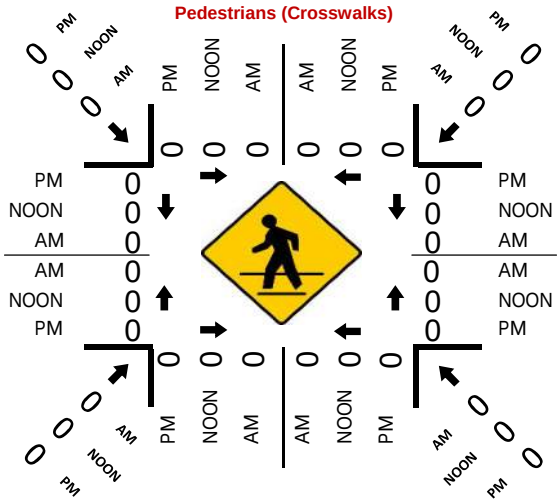
2axle (NOON)



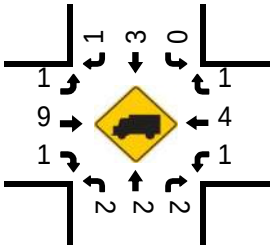
Cars (PM)



Pedestrians (Crosswalks)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cedar Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-011
Date: 5/23/2019

Total

NS/EW Streets:	N Cedar Ave				N Cedar Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	37	122	9	0	5	106	13	0	21	17	26	2	16	46	13	0	433
7:15 AM	33	108	13	0	14	162	14	0	20	99	24	2	19	124	10	1	643
7:30 AM	19	129	14	0	5	104	7	0	21	47	34	4	15	56	5	1	461
7:45 AM	28	149	19	0	16	133	10	1	25	82	24	1	19	95	7	0	609
8:00 AM	28	132	9	0	7	93	12	2	25	58	20	0	20	66	10	3	485
8:15 AM	19	113	15	0	8	105	11	0	24	31	19	0	17	44	6	0	412
8:30 AM	16	83	13	0	4	67	7	1	23	55	23	1	14	61	8	1	377
8:45 AM	23	81	16	0	6	76	6	1	27	20	10	0	12	45	7	1	331
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	203	917	108	0	65	846	80	5	186	409	180	10	132	537	66	7	3751
APPROACH %'s :	16.53%	74.67%	8.79%	0.00%	6.53%	84.94%	8.03%	0.50%	23.69%	52.10%	22.93%	1.27%	17.79%	72.37%	8.89%	0.94%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	108	518	55	0	42	492	43	3	91	286	102	7	73	341	32	5	2198
PEAK HR FACTOR :	0.818	0.869	0.724	0.000	0.656	0.759	0.768	0.375	0.910	0.722	0.750	0.438	0.913	0.688	0.800	0.417	0.855
	0.869				0.763				0.838				0.732				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	26	143	16	0	17	125	16	1	25	94	31	3	22	100	12	0	631
4:15 PM	39	150	28	0	17	120	22	0	33	96	28	1	17	91	18	1	661
4:30 PM	20	158	25	0	17	157	20	3	29	90	31	2	20	70	11	3	656
4:45 PM	21	135	31	0	20	112	18	1	35	99	25	6	21	80	13	1	618
5:00 PM	18	148	24	0	13	145	15	3	18	73	26	3	18	72	10	0	586
5:15 PM	18	132	24	0	14	129	11	0	25	95	21	5	21	76	9	6	586
5:30 PM	21	157	18	0	19	149	25	1	24	90	27	4	13	81	11	0	640
5:45 PM	16	127	18	0	16	147	12	3	32	85	18	2	16	82	6	2	582
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	179	1150	184	0	133	1084	139	12	221	722	207	26	148	652	90	13	4960
APPROACH %'s :	11.83%	76.01%	12.16%	0.00%	9.72%	79.24%	10.16%	0.88%	18.79%	61.39%	17.60%	2.21%	16.39%	72.20%	9.97%	1.44%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	106	586	100	0	71	514	76	5	122	379	115	12	80	341	54	5	2566
PEAK HR FACTOR :	0.679	0.927	0.806	0.000	0.888	0.818	0.864	0.417	0.871	0.957	0.927	0.500	0.909	0.853	0.750	0.417	0.970
	0.912				0.845				0.952				0.896				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cedar Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-011
Date: 5/23/2019

Cars

NS/EW Streets:	N Cedar Ave				N Cedar Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	34	120	9	0	5	104	13	0	21	16	22	2	16	45	13	0	420
7:15 AM	26	108	12	0	14	156	14	0	20	97	24	2	18	120	9	1	621
7:30 AM	14	124	14	0	5	103	7	0	21	47	28	4	13	51	5	1	437
7:45 AM	21	146	18	0	15	128	10	1	23	79	18	1	16	92	6	0	574
8:00 AM	21	128	9	0	7	93	12	2	24	57	18	0	20	65	9	3	468
8:15 AM	13	112	14	0	8	102	11	0	24	27	17	0	17	42	6	0	393
8:30 AM	14	82	13	0	4	62	7	1	23	51	17	1	13	61	8	1	358
8:45 AM	20	79	13	0	6	70	6	1	27	17	10	0	12	43	7	1	312
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	163	899	102	0	64	818	80	5	183	391	154	10	125	519	63	7	3583
APPROACH %'s :	14.00%	77.23%	8.76%	0.00%	6.62%	84.59%	8.27%	0.52%	24.80%	52.98%	20.87%	1.36%	17.51%	72.69%	8.82%	0.98%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	82	506	53	0	41	480	43	3	88	280	88	7	67	328	29	5	2100
PEAK HR FACTOR :	0.79	0.866	0.736	0.000	0.683	0.769	0.768	0.375	0.917	0.722	0.786	0.438	0.838	0.683	0.806	0.417	0.845
	0.866				0.770				0.809				0.725				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	21	142	16	0	17	124	16	1	25	93	25	3	22	96	12	0	613
4:15 PM	36	149	27	0	17	115	21	0	32	92	20	1	17	90	18	1	636
4:30 PM	19	156	24	0	17	154	20	3	28	86	29	2	20	70	11	3	642
4:45 PM	17	134	29	0	20	111	18	1	34	97	21	6	20	78	12	1	599
5:00 PM	14	147	23	0	13	144	14	3	18	71	21	3	18	71	10	0	570
5:15 PM	18	132	23	0	14	128	11	0	25	94	18	5	21	75	9	6	579
5:30 PM	19	157	18	0	19	148	24	1	24	89	23	4	13	80	11	0	630
5:45 PM	14	127	18	0	16	145	12	3	32	84	17	2	14	81	6	2	573
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	158	1144	178	0	133	1069	136	12	218	706	174	26	145	641	89	13	4842
APPROACH %'s :	10.68%	77.30%	12.03%	0.00%	9.85%	79.19%	10.07%	0.89%	19.40%	62.81%	15.48%	2.31%	16.33%	72.18%	10.02%	1.46%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	93	581	96	0	71	504	75	5	119	368	95	12	79	334	53	5	2490
PEAK HR FACTOR :	0.65	0.931	0.828	0.000	0.888	0.818	0.893	0.417	0.875	0.948	0.819	0.500	0.898	0.870	0.736	0.417	0.970
	0.908				0.844				0.940				0.906				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cedar Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-011
Date: 5/23/2019

2axle

NS/EW Streets:	N Cedar Ave				N Cedar Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	2	0	0	0	1	0	0	0	1	1	0	0	1	0	0	6
7:15 AM	1	0	1	0	0	3	0	0	0	2	0	0	0	3	1	0	11
7:30 AM	1	4	0	0	0	1	0	0	0	0	0	0	0	1	0	0	7
7:45 AM	1	2	1	0	0	3	0	0	0	3	2	0	1	1	1	0	15
8:00 AM	3	3	0	0	0	0	0	0	1	1	0	0	0	0	1	0	9
8:15 AM	0	1	1	0	0	3	0	0	0	2	1	0	0	1	0	0	9
8:30 AM	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	6
8:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	6	12	3	0	0	16	0	0	1	12	4	0	1	7	3	0	65
APPROACH %'s :	28.57%	57.14%	14.29%	0.00%	0.00%	100.00%	0.00%	0.00%	5.88%	70.59%	23.53%	0.00%	9.09%	63.64%	27.27%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	6	9	2	0	0	7	0	0	1	6	2	0	1	5	3	0	42
PEAK HR FACTOR :	0.500	0.563	0.500	0.000	0.000	0.583	0.000	0.000	0.250	0.500	0.250	0.000	0.250	0.417	0.750	0.000	0.700
	0.708				0.583				0.450				0.563				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	4
4:15 PM	1	0	0	0	0	2	1	0	0	3	0	0	0	1	0	0	8
4:30 PM	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	5
4:45 PM	0	0	2	0	0	1	0	0	1	2	0	0	1	2	1	0	10
5:00 PM	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
5:30 PM	0	0	0	0	0	1	1	0	0	1	1	0	0	1	0	0	5
5:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	3	2	0	0	6	2	0	1	12	2	0	1	7	1	0	40
APPROACH %'s :	37.50%	37.50%	25.00%	0.00%	0.00%	75.00%	25.00%	0.00%	6.67%	80.00%	13.33%	0.00%	11.11%	77.78%	11.11%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	2	2	2	0	0	3	1	0	1	9	1	0	1	4	1	0	27
PEAK HR FACTOR :	0.50	0.250	0.250	0.000	0.000	0.375	0.250	0.000	0.250	0.750	0.250	0.000	0.250	0.500	0.250	0.000	0.675
	0.750				0.333				0.917				0.375				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cedar Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-011
Date: 5/23/2019

3axle

NS/EW Streets:	N Cedar Ave				N Cedar Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
7:30 AM	1	1	0	0	0	0	0	0	0	0	2	0	0	1	0	0	5
7:45 AM	2	0	0	0	1	1	0	0	1	0	3	0	1	1	0	0	10
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
8:15 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3
8:30 AM	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3
8:45 AM	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	7	1	0	0	1	2	0	0	1	3	9	0	2	4	0	0	30
APPROACH %'s :	87.50%	12.50%	0.00%	0.00%	33.33%	66.67%	0.00%	0.00%	7.69%	23.08%	69.23%	0.00%	33.33%	66.67%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	3	1	0	0	1	1	0	0	1	0	6	0	2	2	0	0	17
PEAK HR FACTOR :	0.375	0.250	0.000	0.000	0.250	0.250	0.000	0.000	0.250	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.425
	0.500				0.250				0.438				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	0	0	0	1	0	0	0	0	3	0	0	1	0	0	6
4:15 PM	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3
4:30 PM	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2
4:45 PM	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4
5:00 PM	1	0	0	0	0	0	1	0	0	1	2	0	0	1	0	0	6
5:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
5:45 PM	1	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	5	2	0	0	0	3	1	0	0	2	10	0	2	2	0	0	27
APPROACH %'s :	71.43%	28.57%	0.00%	0.00%	0.00%	75.00%	25.00%	0.00%	0.00%	16.67%	83.33%	0.00%	50.00%	50.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	3	2	0	0	0	2	0	0	0	0	7	0	0	1	0	0	15
PEAK HR FACTOR :	0.38	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.583	0.000	0.000	0.250	0.000	0.000	0.625
	0.417				0.500				0.583				0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cedar Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-011
Date: 5/23/2019

4axle

NS/EW Streets:	N Cedar Ave				N Cedar Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	4
7:15 AM	6	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	10
7:30 AM	3	0	0	0	0	0	0	0	0	0	4	0	2	3	0	0	12
7:45 AM	4	1	0	0	0	1	0	0	1	0	1	0	1	1	0	0	10
8:00 AM	4	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	7
8:15 AM	5	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	7
8:30 AM	1	1	0	0	0	2	0	0	0	0	5	0	1	0	0	0	10
8:45 AM	2	2	3	0	0	3	0	0	0	2	0	0	0	1	0	0	13
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	27	5	3	0	0	10	0	0	1	3	13	0	4	7	0	0	73
APPROACH %'s :	77.14%	14.29%	8.57%	0.00%	0.00%	100.00%	0.00%	0.00%	5.88%	17.65%	76.47%	0.00%	36.36%	63.64%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	17	2	0	0	0	4	0	0	1	0	6	0	3	6	0	0	39
PEAK HR FACTOR :	0.708	0.500	0.000	0.000	0.000	0.333	0.000	0.000	0.250	0.000	0.375	0.000	0.375	0.500	0.000	0.000	0.813
	0.792				0.333				0.438				0.450				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	2	0	0	2	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	3	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	8
4:15 PM	2	0	1	0	0	3	0	0	1	1	6	0	0	0	0	0	14
4:30 PM	1	0	1	0	0	2	0	0	1	1	1	0	0	0	0	0	7
4:45 PM	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	5
5:00 PM	2	0	1	0	0	1	0	0	0	0	3	0	0	0	0	0	7
5:15 PM	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	4
5:30 PM	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	4
5:45 PM	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	13	1	4	0	0	6	0	0	2	2	21	0	0	2	0	0	51
APPROACH %'s :	72.22%	5.56%	22.22%	0.00%	0.00%	100.00%	0.00%	0.00%	8.00%	8.00%	84.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	8	1	2	0	0	5	0	0	2	2	12	0	0	2	0	0	34
PEAK HR FACTOR :	0.67	0.250	0.500	0.000	0.000	0.417	0.000	0.000	0.500	0.500	0.500	0.000	0.000	0.250	0.000	0.000	0.607
	0.688				0.417				0.500				0.250				

Prepared by National Data & Surveying Services

N Fitzgerald Ave & E Base Line Rd

Peak Hour Turning Movement Count

ID: 19-06091-014
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

N Fitzgerald Ave — SOUTHBOUND

AM	15	0	71	0	125	AM
NOON	0	0	0	0	0	NOON
PM	48	0	120	0	142	PM

EASTBOUND — E Base Line Rd

AM	NOON	PM	
427	0	495	⇦
0	0	0	0 ↶
37	0	28	0 ↱
352	0	542	2 →
0	0	0	0 ↷
AM	NOON	PM	

WESTBOUND — E Base Line Rd

PM	NOON	AM	
114	0	88	0 ↰
447	0	412	2 ←
0	0	0	0 ↶
0	0	0	0 ↷
662	0	423	⇨
PM	NOON	AM	

CONTROL

1-Way Stop (SB)

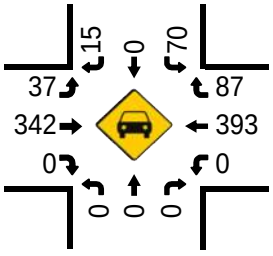
	AM	NOON	PM
TEV	975	0	1299
PHF	0.92		0.95

NORTHBOUND — N Fitzgerald Ave

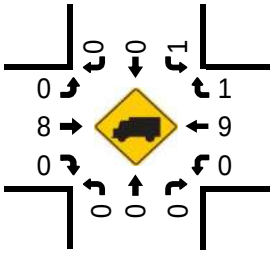
PM	0	0	0	0	0	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM

0 1 0 0 (SB turning movements)
0 0 0 0 (NB turning movements)

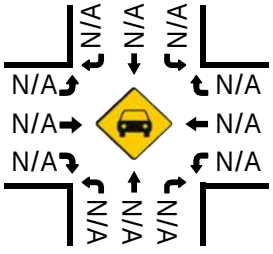
Cars (AM)



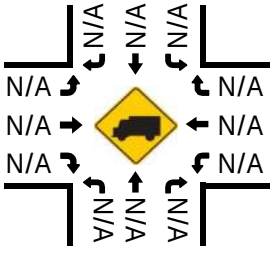
2axle (AM)



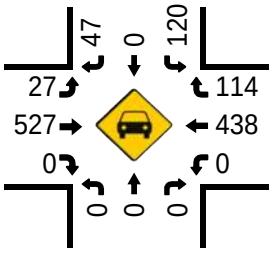
Cars (NOON)



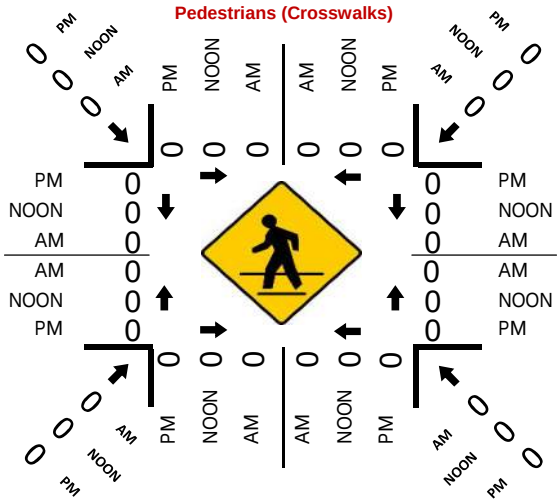
2axle (NOON)



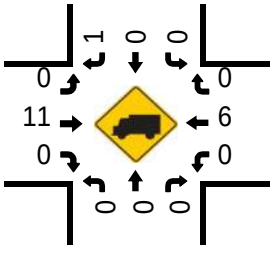
Cars (PM)



Pedestrians (Crosswalks)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: N Fitzgerald Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (SB)

Project ID: 19-06091-014
Date: 5/23/2019

Total

NS/EW Streets:	N Fitzgerald Ave				N Fitzgerald Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	20	0	3	0	11	73	0	0	0	88	37	0	232
7:15 AM	0	0	0	0	12	0	5	0	7	92	0	0	0	128	21	0	265
7:30 AM	0	0	0	0	22	0	4	0	9	87	0	0	0	93	11	0	226
7:45 AM	0	0	0	0	17	0	3	0	10	100	0	0	0	103	19	0	252
8:00 AM	0	0	0	0	15	0	7	0	7	67	0	0	0	86	15	0	197
8:15 AM	0	0	0	0	17	0	11	0	8	69	0	0	0	77	12	0	194
8:30 AM	0	0	0	0	14	0	8	0	9	47	0	0	0	73	31	0	182
8:45 AM	0	0	0	0	11	0	5	0	2	74	0	0	0	77	21	0	190
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	128	0	46	0	63	609	0	0	0	725	167	0	1738
APPROACH %'s :					73.56%	0.00%	26.44%	0.00%	9.38%	90.63%	0.00%	0.00%	0.00%	81.28%	18.72%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	71	0	15	0	37	352	0	0	0	412	88	0	975
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.807	0.000	0.750	0.000	0.841	0.880	0.000	0.000	0.000	0.805	0.595	0.000	0.920
					0.827				0.884				0.839				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	25	0	10	0	6	137	0	0	0	139	24	0	341
4:15 PM	0	0	0	0	32	0	13	0	7	127	0	0	0	106	33	0	318
4:30 PM	0	0	0	0	37	0	5	0	9	143	0	0	0	108	32	0	334
4:45 PM	0	0	0	0	26	0	20	0	6	135	0	0	0	94	25	0	306
5:00 PM	0	0	0	0	29	0	16	0	6	124	0	0	0	103	30	0	308
5:15 PM	0	0	0	0	26	0	8	0	5	123	0	1	0	107	28	0	298
5:30 PM	0	0	0	0	33	0	12	0	11	133	0	0	0	94	17	0	300
5:45 PM	0	0	0	0	31	0	12	0	6	118	0	0	0	81	22	0	270
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	239	0	96	0	56	1040	0	1	0	832	211	0	2475
APPROACH %'s :					71.34%	0.00%	28.66%	0.00%	5.10%	94.80%	0.00%	0.09%	0.00%	79.77%	20.23%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	120	0	48	0	28	542	0	0	0	447	114	0	1299
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.811	0.000	0.600	0.000	0.778	0.948	0.000	0.000	0.000	0.804	0.864	0.000	0.952
					0.913				0.938				0.860				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Fitzgerald Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (SB)

Project ID: 19-06091-014
Date: 5/23/2019

Cars

NS/EW Streets:	N Fitzgerald Ave				N Fitzgerald Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	19	0	3	0	11	71	0	0	0	87	37	0	228
7:15 AM	0	0	0	0	12	0	5	0	7	89	0	0	0	119	21	0	253
7:30 AM	0	0	0	0	22	0	4	0	9	84	0	0	0	90	11	0	220
7:45 AM	0	0	0	0	17	0	3	0	10	98	0	0	0	97	18	0	243
8:00 AM	0	0	0	0	14	0	7	0	7	65	0	0	0	85	13	0	191
8:15 AM	0	0	0	0	17	0	11	0	6	66	0	0	0	74	12	0	186
8:30 AM	0	0	0	0	13	0	7	0	9	44	0	0	0	71	30	0	174
8:45 AM	0	0	0	0	11	0	5	0	2	67	0	0	0	77	21	0	183
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	125	0	45	0	61	584	0	0	0	700	163	0	1678
APPROACH %'s :					73.53%	0.00%	26.47%	0.00%	9.46%	90.54%	0.00%	0.00%	0.00%	81.11%	18.89%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	70	0	15	0	37	342	0	0	0	393	87	0	944
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.795	0.000	0.750	0.000	0.841	0.872	0.000	0.000	0.000	0.826	0.588	0.000	0.933
					0.817				0.877				0.857				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	25	0	10	0	6	136	0	0	0	134	24	0	335
4:15 PM	0	0	0	0	32	0	13	0	7	120	0	0	0	106	33	0	311
4:30 PM	0	0	0	0	37	0	5	0	8	140	0	0	0	106	32	0	328
4:45 PM	0	0	0	0	26	0	19	0	6	131	0	0	0	92	25	0	299
5:00 PM	0	0	0	0	29	0	16	0	5	122	0	0	0	102	30	0	304
5:15 PM	0	0	0	0	26	0	7	0	5	122	0	1	0	107	28	0	296
5:30 PM	0	0	0	0	33	0	12	0	11	132	0	0	0	93	17	0	298
5:45 PM	0	0	0	0	31	0	11	0	6	118	0	0	0	81	21	0	268
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	239	0	93	0	54	1021	0	1	0	821	210	0	2439
APPROACH %'s :					71.99%	0.00%	28.01%	0.00%	5.02%	94.89%	0.00%	0.09%	0.00%	79.63%	20.37%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	120	0	47	0	27	527	0	0	0	438	114	0	1273
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.811	0.000	0.618	0.000	0.844	0.941	0.000	0.000	0.000	0.817	0.864	0.000	0.950
					0.928				0.936				0.873				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Fitzgerald Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (SB)

Project ID: 19-06091-014
Date: 5/23/2019

2axle

NS/EW Streets:	N Fitzgerald Ave				N Fitzgerald Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	3
7:15 AM	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	6
7:30 AM	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	5
7:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	3	1	0	5
8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	0	4
8:15 AM	0	0	0	0	0	0	0	0	1	3	0	0	0	2	0	0	6
8:30 AM	0	0	0	0	1	0	1	0	0	3	0	0	0	0	1	0	6
8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	3	0	1	0	1	15	0	0	0	12	4	0	36
APPROACH %'s :					75.00%	0.00%	25.00%	0.00%	6.25%	93.75%	0.00%	0.00%	0.00%	75.00%	25.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	1	0	0	0	0	8	0	0	0	9	1	0	19
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.667	0.000	0.000	0.000	0.750	0.250	0.000	0.792
					0.250				0.667				0.625				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	3
4:15 PM	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
4:30 PM	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	5
4:45 PM	0	0	0	0	0	0	1	0	0	3	0	0	0	2	0	0	6
5:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
5:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	2	0	0	13	0	0	0	8	0	0	23
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	1	0	0	11	0	0	0	6	0	0	18
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.688	0.000	0.000	0.000	0.750	0.000	0.000	0.750
					0.250				0.688				0.750				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Fitzgerald Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (SB)

Project ID: 19-06091-014
Date: 5/23/2019

3axle

NS/EW Streets:	N Fitzgerald Ave				N Fitzgerald Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	1	4	0	0	0	4	0	0	9
APPROACH %'s :									20.00%	80.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	0	5
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.375	0.000	0.000	0.625
									0.500				0.375				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	1	0	1	1	0	0	0	1	1	0	5
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.500
									0.250				0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Fitzgerald Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (SB)

Project ID: 19-06091-014
Date: 5/23/2019

4axle

NS/EW Streets:	N Fitzgerald Ave				N Fitzgerald Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
8:45 AM	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	6	0	0	0	9	0	0	15
APPROACH %'s :									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.438	0.000	0.000	0.438
														0.438			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
4:15 PM	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
4:30 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	1	5	0	0	0	2	0	0	8
APPROACH %'s :									16.67%	83.33%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	1	3	0	0	0	2	0	0	6
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.500
										0.333				0.250			

Prepared by National Data & Surveying Services

N Cactus Ave & E Base Line Rd

Peak Hour Turning Movement Count

ID: 19-06091-017
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND (N Cactus Ave)

AM	75	415	93	0	457	AM
NOON	0	0	0	0	0	NOON
PM	53	238	89	0	518	PM
	0	2	1	0		

EASTBOUND (E Base Line Rd)

AM	NOON	PM	
448	0	534	
0	0	0	0
61	0	66	1
245	0	492	2
81	0	79	0
AM	NOON	PM	

WESTBOUND (E Base Line Rd)

PM	NOON	AM	
75	0	98	0
392	0	312	2
100	0	130	1
2	0	3	0
672	0	462	
PM	NOON	AM	

NORTHBOUND (N Cactus Ave)

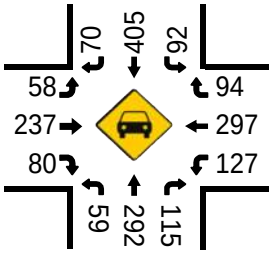
PM	417	0	89	377	89	PM
NOON	0	0	0	0	0	NOON
AM	626	0	61	298	121	AM
		0	1	2	0	

CONTROL

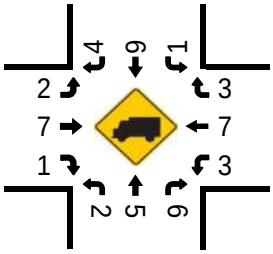
Signalized

TEV	1993 AM	0 NOON	2141 PM
PHF	0.88		0.92

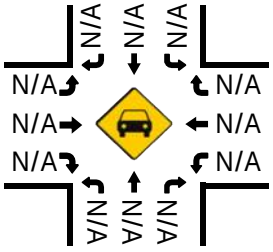
Cars (AM)



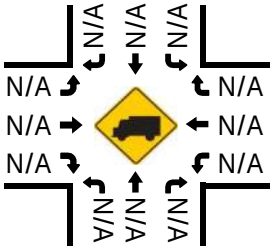
2axle (AM)



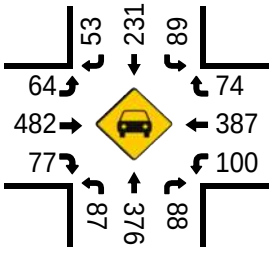
Cars (NOON)



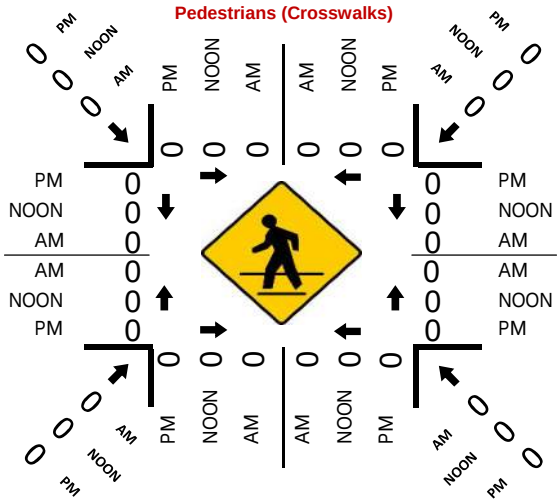
2axle (NOON)



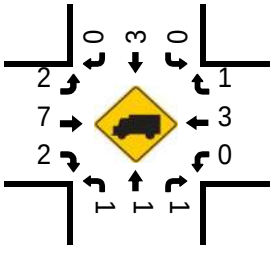
Cars (PM)



Pedestrians (Crosswalks)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cactus Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-017
Date: 5/23/2019

Total

NS/EW Streets:	N Cactus Ave				N Cactus Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	14	90	37	0	20	88	16	0	10	53	13	0	18	78	17	1	455
7:15 AM	11	69	34	0	28	110	22	0	14	64	22	0	51	99	39	1	564
7:30 AM	19	65	29	0	20	119	18	0	16	62	24	0	33	58	21	0	484
7:45 AM	17	74	21	0	25	98	19	0	21	66	22	0	28	77	21	1	490
8:00 AM	9	86	17	0	19	76	23	0	12	55	19	0	25	71	21	0	433
8:15 AM	8	45	16	1	17	77	16	0	12	55	10	0	19	61	11	0	348
8:30 AM	12	50	11	0	13	49	11	0	9	46	14	0	11	66	5	0	297
8:45 AM	9	45	13	0	9	38	10	0	9	66	9	0	14	64	9	0	295
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	99	524	178	1	151	655	135	0	103	467	133	0	199	574	144	3	3366
APPROACH %'s :	12.34%	65.34%	22.19%	0.12%	16.05%	69.61%	14.35%	0.00%	14.65%	66.43%	18.92%	0.00%	21.63%	62.39%	15.65%	0.33%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	61	298	121	0	93	415	75	0	61	245	81	0	130	312	98	3	1993
PEAK HR FACTOR :	0.803	0.828	0.818	0.000	0.830	0.872	0.852	0.000	0.726	0.928	0.844	0.000	0.637	0.788	0.628	0.750	0.883
	0.851				0.911				0.888				0.714				

NS/EW Streets:	N Cactus Ave				N Cactus Ave				E Base Line Rd				E Base Line Rd				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	22	88	20	0	17	62	8	0	14	113	25	0	22	114	16	1	522
4:15 PM	22	91	25	0	29	58	14	0	10	125	15	0	21	95	24	1	530
4:30 PM	13	92	23	0	17	53	19	0	24	117	18	0	30	91	10	0	507
4:45 PM	32	106	21	0	26	65	12	0	18	137	21	0	27	92	25	0	582
5:00 PM	18	91	21	0	15	60	10	0	19	97	25	0	22	99	22	1	500
5:15 PM	17	101	29	0	18	60	9	0	12	122	16	0	23	80	17	0	504
5:30 PM	15	96	15	0	22	60	6	0	14	123	14	0	19	94	19	0	497
5:45 PM	17	79	29	0	17	52	5	0	18	121	22	0	31	79	15	0	485
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	156	744	183	0	161	470	83	0	129	955	156	0	195	744	148	3	4127
APPROACH %'s :	14.40%	68.70%	16.90%	0.00%	22.55%	65.83%	11.62%	0.00%	10.40%	77.02%	12.58%	0.00%	17.89%	68.26%	13.58%	0.28%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	89	377	89	0	89	238	53	0	66	492	79	0	100	392	75	2	2141
PEAK HR FACTOR :	0.695	0.889	0.890	0.000	0.767	0.915	0.697	0.000	0.688	0.898	0.790	0.000	0.833	0.860	0.750	0.500	0.920
	0.873				0.922				0.905				0.930				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cactus Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-017
Date: 5/23/2019

Cars

NS/EW Streets:	N Cactus Ave				N Cactus Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	14	89	36	0	20	86	15	0	10	51	13	0	17	77	17	1	446
7:15 AM	11	68	32	0	27	108	20	0	13	62	22	0	50	94	39	1	547
7:30 AM	19	63	26	0	20	115	16	0	16	61	24	0	33	54	21	0	468
7:45 AM	15	72	21	0	25	96	19	0	19	63	21	0	27	72	17	1	468
8:00 AM	9	85	16	0	18	70	21	0	12	54	19	0	25	70	20	0	419
8:15 AM	8	45	15	1	17	71	16	0	12	51	10	0	19	60	11	0	336
8:30 AM	12	50	11	0	13	48	11	0	9	45	13	0	11	64	5	0	292
8:45 AM	9	42	13	0	9	38	10	0	8	60	8	0	12	63	9	0	281
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	97	514	170	1	149	632	128	0	99	447	130	0	194	554	139	3	3257
APPROACH %'s :	12.40%	65.73%	21.74%	0.13%	16.39%	69.53%	14.08%	0.00%	14.64%	66.12%	19.23%	0.00%	21.80%	62.25%	15.62%	0.34%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	59	292	115	0	92	405	70	0	58	237	80	0	127	297	94	3	1929
PEAK HR FACTOR :	0.78	0.820	0.799	0.000	0.852	0.880	0.875	0.000	0.763	0.940	0.833	0.000	0.635	0.790	0.603	0.750	0.882
	0.838				0.915				0.910				0.708				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	21	88	20	0	17	60	8	0	14	112	24	0	22	112	16	1	515
4:15 PM	22	91	24	0	29	57	14	0	10	122	14	0	21	94	24	1	523
4:30 PM	13	92	23	0	17	52	19	0	22	114	18	0	30	91	9	0	500
4:45 PM	31	105	21	0	26	62	12	0	18	134	21	0	27	90	25	0	572
5:00 PM	18	91	21	0	15	59	10	0	18	96	25	0	22	99	22	1	497
5:15 PM	17	101	29	0	16	60	9	0	11	122	16	0	23	79	17	0	500
5:30 PM	15	94	15	0	22	60	6	0	14	121	14	0	19	94	19	0	493
5:45 PM	17	79	29	0	17	51	5	0	18	121	22	0	31	76	13	0	479
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	154	741	182	0	159	461	83	0	125	942	154	0	195	735	145	3	4079
APPROACH %'s :	14.30%	68.80%	16.90%	0.00%	22.62%	65.58%	11.81%	0.00%	10.24%	77.15%	12.61%	0.00%	18.09%	68.18%	13.45%	0.28%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	87	376	88	0	89	231	53	0	64	482	77	0	100	387	74	2	2110
PEAK HR FACTOR :	0.70	0.895	0.917	0.000	0.767	0.931	0.697	0.000	0.727	0.899	0.802	0.000	0.833	0.864	0.740	0.500	0.922
	0.877				0.933				0.900				0.932				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cactus Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-017
Date: 5/23/2019

2axle

NS/EW Streets:	N Cactus Ave				N Cactus Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	1	0	0	1	1	0	0	2	0	0	1	1	0	0	8
7:15 AM	0	1	2	0	1	2	2	0	0	2	0	0	1	3	0	0	14
7:30 AM	0	1	3	0	0	4	1	0	0	1	0	0	0	1	0	0	11
7:45 AM	2	2	0	0	0	2	0	0	2	2	1	0	1	2	3	0	17
8:00 AM	0	1	1	0	1	6	1	0	0	1	0	0	0	1	0	0	12
8:15 AM	0	0	1	0	0	6	0	0	0	2	0	0	0	1	0	0	10
8:30 AM	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	4
8:45 AM	0	2	0	0	0	0	0	0	1	1	1	0	1	0	0	0	6
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	2	8	8	0	2	22	5	0	3	12	3	0	4	10	3	0	82
APPROACH %'s :	11.11%	44.44%	44.44%	0.00%	6.90%	75.86%	17.24%	0.00%	16.67%	66.67%	16.67%	0.00%	23.53%	58.82%	17.65%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	2	5	6	0	1	9	4	0	2	7	1	0	3	7	3	0	50
PEAK HR FACTOR :	0.250	0.625	0.500	0.000	0.250	0.563	0.500	0.000	0.250	0.875	0.250	0.000	0.750	0.583	0.250	0.000	0.735
	0.813				0.700				0.500				0.542				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	3
4:15 PM	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	4
4:30 PM	0	0	0	0	0	1	0	0	2	2	0	0	0	0	1	0	6
4:45 PM	1	1	0	0	0	1	0	0	0	3	0	0	0	2	0	0	8
5:00 PM	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	3
5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2
5:30 PM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
5:45 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	2	1	0	1	5	0	0	3	9	2	0	0	5	2	0	31
APPROACH %'s :	25.00%	50.00%	25.00%	0.00%	16.67%	83.33%	0.00%	0.00%	21.43%	64.29%	14.29%	0.00%	0.00%	71.43%	28.57%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	1	1	1	0	0	3	0	0	2	7	2	0	0	3	1	0	21
PEAK HR FACTOR :	0.25	0.250	0.250	0.000	0.000	0.750	0.000	0.000	0.250	0.583	0.500	0.000	0.000	0.375	0.250	0.000	0.656
	0.375				0.750				0.688				0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cactus Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-017
Date: 5/23/2019

3axle

NS/EW Streets:	N Cactus Ave				N Cactus Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
8:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2
8:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	0	1	1	0	1	3	0	0	1	2	1	0	11
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	25.00%	75.00%	0.00%	0.00%	25.00%	50.00%	25.00%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	1	0	0	1	1	0	0	0	2	0	0	5
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.500	0.000	0.000	0.625
					0.250				0.500				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	1	4	0	0	0	0	0	0	0	2	1	0	9
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	20.00%	80.00%	0.00%	0.00%					0.00%	66.67%	33.33%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	5
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.625
					0.500								0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Cactus Ave & E Base Line Rd
City: Rialto
Control: Signalized

Project ID: 19-06091-017
Date: 5/23/2019

4axle

NS/EW Streets:	N Cactus Ave				N Cactus Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:30 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	3	0	0	5
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	5
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	0	0	1	0	0	5	0	0	0	8	1	0	16
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	88.89%	11.11%	0.00%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	1	0	0	0	0	1	0	0	0	0	0	0	6	1	0	9
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.250	0.000	0.450
	0.250				0.250				0.000				0.583				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
4:15 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	0	0	0	0	0	0	1	4	0	0	0	2	0	0	8
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%					20.00%	80.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	1	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	5
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.000	0.250	0.000	0.000	0.625
	0.250								0.375				0.250				

Prepared by National Data & Surveying Services

Glenwood Ave & E Base Line Rd

Peak Hour Turning Movement Count

ID: 19-06091-015
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS

AM: 07:00 AM - 08:00 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Glenwood Ave — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

E Base Line Rd — EASTBOUND

AM	NOON	PM	
503	0	557	⇦
0	0	0	↶ 0
0	0	0	↱ 0
402	0	653	→ 2
14	0	18	↴ 0
AM	NOON	PM	

CONTROL

1-Way Stop (NB)

TEV	927 AM	0 NOON	1239 PM
PHF	0.86		0.97

WESTBOUND — E Base Line Rd

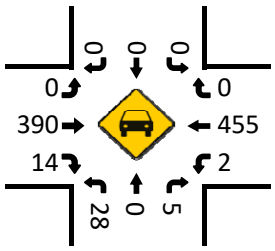
PM	NOON	AM	
0	0	0	↶ 0
543	0	475	← 2
6	0	2	↰ 0
0	0	0	↩ 0
658	0	407	⇨
PM	NOON	AM	

Glenwood Ave — NORTHBOUND

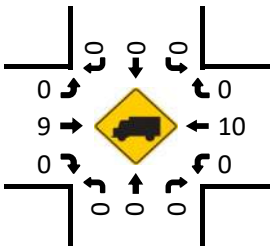
PM	24	0	14	0	5	PM
NOON	0	0	0	0	0	NOON
AM	17	1	28	0	5	AM

0 0 1 0

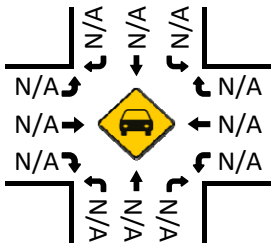
Cars (AM)



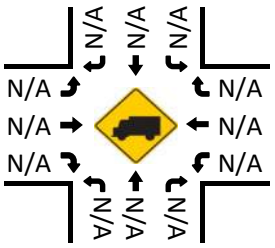
2axle (AM)



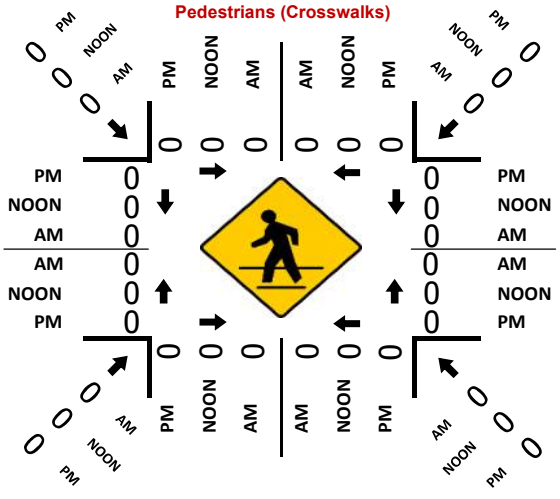
Cars (NOON)



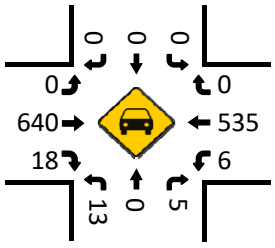
2axle (NOON)



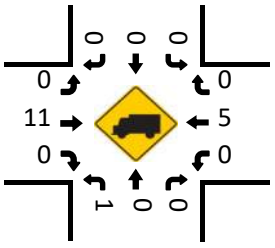
Pedestrians (Crosswalks)



Cars (PM)



2axle (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: N Idyllwild Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (NB)

Project ID: 19-06091-016
Date: 5/23/2019

Total

NS/EW Streets:	N Idyllwild Ave				N Idyllwild Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	21	0	2	0	0	0	0	0	0	76	5	0	0	84	0	0	188
7:15 AM	20	0	4	0	0	0	0	0	0	90	6	0	5	117	0	0	242
7:30 AM	8	0	2	0	0	0	0	0	0	105	9	0	2	112	0	0	238
7:45 AM	9	0	5	0	0	0	0	0	0	93	10	0	2	116	0	0	235
8:00 AM	8	0	4	0	0	0	0	0	0	98	8	0	2	83	0	0	203
8:15 AM	2	0	4	0	0	0	0	0	0	72	4	0	3	101	0	0	186
8:30 AM	6	0	2	0	0	0	0	0	0	78	5	0	4	72	0	0	167
8:45 AM	11	0	5	0	0	0	0	0	0	59	0	0	0	87	0	0	162
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	85	0	28	0	0	0	0	0	0	671	47	0	18	772	0	0	1621
APPROACH %'s :	75.22%	0.00%	24.78%	0.00%					0.00%	93.45%	6.55%	0.00%	2.28%	97.72%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	45	0	15	0	0	0	0	0	0	386	33	0	11	428	0	0	918
PEAK HR FACTOR :	0.563	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.919	0.825	0.000	0.550	0.915	0.000	0.000	0.948
	0.625								0.919				0.900				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	7	0	4	0	0	0	0	0	0	149	7	0	3	125	0	0	295
4:15 PM	6	0	1	0	0	0	0	0	0	165	8	0	2	148	0	0	330
4:30 PM	4	0	6	0	0	0	0	0	0	133	8	0	9	116	0	0	276
4:45 PM	10	0	5	0	0	0	0	0	0	171	12	0	10	136	0	0	344
5:00 PM	10	0	3	0	0	0	0	0	0	124	9	0	7	113	0	0	266
5:15 PM	6	0	4	0	0	0	0	0	0	155	5	0	5	115	0	0	290
5:30 PM	1	0	5	0	0	0	0	0	0	125	10	0	4	101	0	0	246
5:45 PM	6	0	4	0	0	0	0	0	0	162	8	0	2	117	0	0	299
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	50	0	32	0	0	0	0	0	0	1184	67	0	42	971	0	0	2346
APPROACH %'s :	60.98%	0.00%	39.02%	0.00%					0.00%	94.64%	5.36%	0.00%	4.15%	95.85%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	27	0	16	0	0	0	0	0	0	618	35	0	24	525	0	0	1245
PEAK HR FACTOR :	0.675	0.000	0.667	0.000	0.000	0.000	0.000	0.000	0.000	0.904	0.729	0.000	0.600	0.887	0.000	0.000	0.905
	0.717								0.892				0.915				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Idyllwild Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (NB)

Project ID: 19-06091-016
Date: 5/23/2019

Cars

NS/EW Streets:	N Idyllwild Ave				N Idyllwild Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	21	0	2	0	0	0	0	0	0	74	5	0	0	82	0	0	184
7:15 AM	20	0	4	0	0	0	0	0	0	87	6	0	4	113	0	0	234
7:30 AM	8	0	2	0	0	0	0	0	0	103	9	0	1	105	0	0	228
7:45 AM	9	0	5	0	0	0	0	0	0	88	10	0	2	110	0	0	224
8:00 AM	7	0	4	0	0	0	0	0	0	96	8	0	2	80	0	0	197
8:15 AM	2	0	4	0	0	0	0	0	0	67	4	0	3	98	0	0	178
8:30 AM	6	0	2	0	0	0	0	0	0	76	4	0	4	71	0	0	163
8:45 AM	11	0	3	0	0	0	0	0	0	55	0	0	0	85	0	0	154
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	84	0	26	0	0	0	0	0	0	646	46	0	16	744	0	0	1562
APPROACH %'s :	76.36%	0.00%	23.64%	0.00%					0.00%	93.35%	6.65%	0.00%	2.11%	97.89%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	44	0	15	0	0	0	0	0	0	374	33	0	9	408	0	0	883
PEAK HR FACTOR :	0.55	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.908	0.825	0.000	0.563	0.903	0.000	0.000	0.943
	0.615								0.908				0.891				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	6	0	4	0	0	0	0	0	0	147	7	0	3	122	0	0	289
4:15 PM	6	0	1	0	0	0	0	0	0	161	8	0	2	146	0	0	324
4:30 PM	4	0	6	0	0	0	0	0	0	130	8	0	9	116	0	0	273
4:45 PM	10	0	5	0	0	0	0	0	0	167	12	0	10	134	0	0	338
5:00 PM	10	0	3	0	0	0	0	0	0	121	9	0	7	112	0	0	262
5:15 PM	6	0	4	0	0	0	0	0	0	153	5	0	5	114	0	0	287
5:30 PM	1	0	5	0	0	0	0	0	0	124	10	0	4	101	0	0	245
5:45 PM	6	0	4	0	0	0	0	0	0	161	8	0	2	116	0	0	297
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	49	0	32	0	0	0	0	0	0	1164	67	0	42	961	0	0	2315
APPROACH %'s :	60.49%	0.00%	39.51%	0.00%					0.00%	94.56%	5.44%	0.00%	4.19%	95.81%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	26	0	16	0	0	0	0	0	0	605	35	0	24	518	0	0	1224
PEAK HR FACTOR :	0.65	0.000	0.667	0.000	0.000	0.000	0.000	0.000	0.000	0.906	0.729	0.000	0.600	0.887	0.000	0.000	0.905
	0.700								0.894				0.916				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Idyllwild Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (NB)

Project ID: 19-06091-016
Date: 5/23/2019

2axle

NS/EW Streets:	N Idyllwild Ave				N Idyllwild Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
7:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	1	4	0	0	6
7:30 AM	0	0	0	0	0	0	0	0	0	2	0	0	1	2	0	0	5
7:45 AM	0	0	0	0	0	0	0	0	0	4	0	0	0	3	0	0	7
8:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	4
8:15 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	0	5
8:30 AM	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
8:45 AM	0	0	2	0	0	0	0	0	0	1	0	0	0	1	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	2	0	0	0	0	0	0	15	1	0	2	16	0	0	37
APPROACH %'s :	33.33%	0.00%	66.67%	0.00%					0.00%	93.75%	6.25%	0.00%	11.11%	88.89%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	1	0	0	0	0	0	0	0	0	8	0	0	2	11	0	0	22
PEAK HR FACTOR :	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.688	0.000	0.000	0.786
	0.250								0.500				0.650				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3
4:15 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
4:30 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	4	0	0	0	2	0	0	6
5:00 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	0	0	0	0	0	0	0	14	0	0	0	6	0	0	21
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%					0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	1	0	0	0	0	0	0	0	0	10	0	0	0	3	0	0	14
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.000	0.375	0.000	0.000	0.583
	0.250								0.625				0.375				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Idyllwild Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (NB)

Project ID: 19-06091-016
Date: 5/23/2019

3axle

NS/EW Streets:	N Idyllwild Ave				N Idyllwild Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	4	0	0	0	3	0	0	7
APPROACH %'s :									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	4
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	1.000
									0.500				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	3
APPROACH %'s :									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250
													0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Idyllwild Ave & E Base Line Rd
City: Rialto
Control: 1-Way Stop (NB)

Project ID: 19-06091-016
Date: 5/23/2019

4axle

NS/EW Streets:	N Idyllwild Ave				N Idyllwild Ave				E Base Line Rd				E Base Line Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
7:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	3
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	6	0	0	0	9	0	0	15
APPROACH %'s :									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	2	0	0	0	7	0	0	9
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.438	0.000	0.000	0.563
										0.500				0.438			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	5	0	0	0	2	0	0	7
APPROACH %'s :									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	5
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.000	0.500	0.000	0.000	0.417
										0.375				0.500			

Prepared by National Data & Surveying Services

N Idyllwild Ave & E Base Line Rd

Peak Hour Turning Movement Count

ID: 19-06091-016
City: Rialto

Day: Thursday
Date: 05/23/2019

PEAK HOURS	
AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:00 PM - 05:00 PM

COUNT PERIODS	
AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

N Idyllwild Ave — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

EASTBOUND — E Base Line Rd

AM	NOON	PM	
473	0	552	⇦
0	0	0	↶ 0
0	0	0	↱ 0
386	0	618	→ 2
33	0	35	↴ 0
AM	NOON	PM	

WESTBOUND — E Base Line Rd

PM	NOON	AM	
0	0	0	0 ↰
525	0	428	2 ←
24	0	11	0 ↰
0	0	0	0 ↰
634	0	401	⇨
PM	NOON	AM	

CONTROL

1-Way Stop (NB)

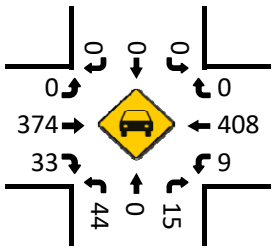
TEV	918 AM	0 NOON	1245 PM
PHF	0.95		0.90

NORTHBOUND — N Idyllwild Ave

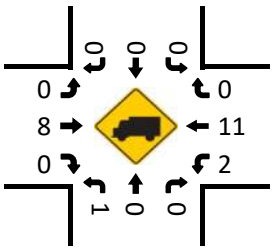
PM	59	0	27	0	16	PM
NOON	0	0	0	0	0	NOON
AM	44	0	45	0	15	AM

0 0 0 0 — 0 0 1 0

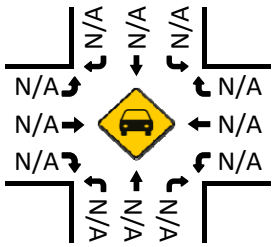
Cars (AM)



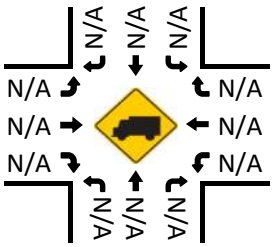
2axle (AM)



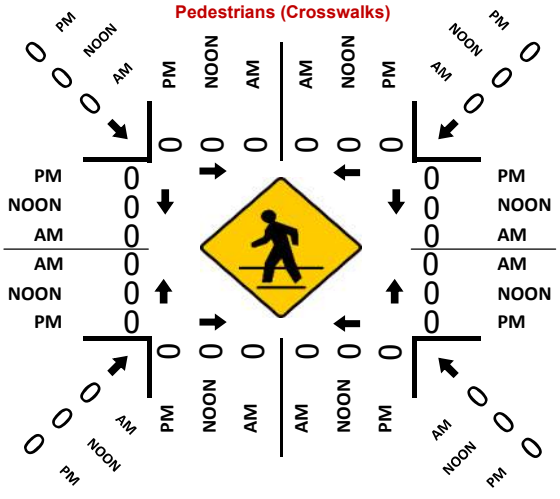
Cars (NOON)



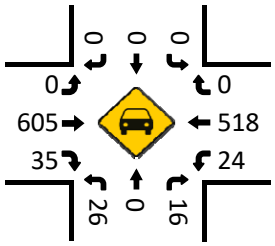
2axle (NOON)



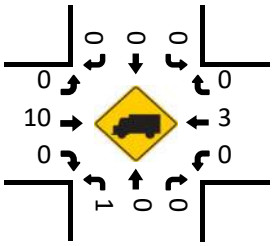
Pedestrians (Crosswalks)



Cars (PM)



2axle (PM)



Prepared by National Data & Surveying Services

CLASSIFICATION

Ayala Rd Bet. Fitzgerald Ave & Renaissance Pkwy

Day: Thursday
Date: 5/23/2019

City: Rialto
Project #: CA19_6092_003

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	178	39	1	4	0	0	0	1	0	0	0	0	223
01:00	0	118	17	0	2	0	0	0	0	0	0	0	0	137
02:00	0	102	20	1	4	2	0	0	3	0	0	0	0	132
03:00	0	151	43	2	4	0	0	0	5	0	1	0	0	206
04:00	0	317	94	0	12	2	0	1	3	0	0	0	0	429
05:00	0	510	157	0	18	5	0	1	6	0	3	0	0	700
06:00	1	730	199	1	33	2	0	1	12	5	1	0	0	985
07:00	1	1095	284	6	14	4	1	14	39	8	4	0	0	1470
08:00	1	863	232	5	21	4	3	12	43	15	3	0	0	1202
09:00	1	797	216	3	35	4	0	2	3	4	8	0	0	1073
10:00	1	824	242	1	45	8	0	3	6	5	3	0	0	1138
11:00	0	894	251	5	37	9	0	2	0	3	3	0	0	1204
12:00 PM	3	1037	268	3	37	4	0	3	4	6	4	0	0	1369
13:00	2	1035	277	1	42	3	3	3	3	7	3	0	0	1379
14:00	0	1143	309	4	22	5	3	2	9	6	2	0	0	1505
15:00	3	1216	293	4	10	5	2	1	4	5	0	0	0	1543
16:00	4	1220	308	1	8	3	0	1	6	3	2	0	0	1556
17:00	1	1221	304	0	3	0	0	1	2	0	0	0	0	1532
18:00	1	1254	283	1	15	3	0	1	7	6	0	0	0	1571
19:00	0	986	198	1	7	4	0	0	2	4	1	0	0	1203
20:00	1	858	174	1	8	0	0	1	0	2	0	0	0	1045
21:00	0	739	156	0	5	3	0	0	2	0	0	0	0	905
22:00	0	486	93	1	4	1	1	0	1	0	0	0	0	587
23:00	0	343	61	0	5	1	0	0	2	0	0	0	0	412
Totals	20	18117	4518	42	395	72	13	49	163	79	38			23506
% of Totals	0%	77%	19%	0%	2%	0%	0%	0%	1%	0%	0%			100%
		18137			4955	72				342				
		1.0			1.5	2.0				3.0				
		18137			7433	144				1026				26740 SUM

AM Volumes	5	6579	1794	25	229	40	4	36	121	40	26	0	0	8899
% AM	0%	28%	8%	0%	1%	0%	0%	0%	1%	0%	0%			38%
AM Peak Hour	06:00	07:00	07:00	07:00	10:00	11:00	08:00	07:00	08:00	08:00	09:00			07:00
Volume	1	1095	284	6	45	9	3	14	43	15	8			1470
PM Volumes	15	11538	2724	17	166	32	9	13	42	39	12	0	0	14607
% PM	0%	49%	12%	0%	1%	0%	0%	0%	0%	0%	0%			62%
PM Peak Hour	16:00	18:00	14:00	14:00	13:00	14:00	13:00	12:00	14:00	13:00	12:00			18:00
Volume	4	1254	309	4	42	5	3	3	9	7	4			1571

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	2672		11%	2748		12%	3088		13%	14998		64%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Ayala Dr Bet. Fitzgerald Ave & Base Line Rd

Day: Thursday
Date: 5/23/2019

City: Rialto
Project #: CA19_6092_004

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	168	22	0	3	0	0	0	1	0	0	0	0	194
01:00	0	116	14	0	1	0	0	0	0	0	0	0	0	131
02:00	0	109	19	0	2	0	0	0	4	0	0	0	0	134
03:00	0	163	35	0	1	0	0	0	5	0	1	0	0	205
04:00	0	299	61	0	6	0	0	0	2	0	0	0	0	368
05:00	0	457	115	0	10	0	0	0	4	0	0	0	0	586
06:00	0	658	152	1	14	0	0	0	0	0	0	0	0	825
07:00	1	955	216	1	14	2	0	1	5	0	0	0	0	1195
08:00	0	785	156	5	12	2	0	2	7	0	0	0	0	969
09:00	0	686	149	4	15	0	0	0	2	0	1	0	0	857
10:00	0	750	137	1	15	3	0	1	4	0	0	0	0	911
11:00	0	817	157	2	4	3	0	1	1	0	0	0	0	985
12:00 PM	0	911	186	0	18	2	0	1	5	0	0	0	0	1123
13:00	0	987	161	0	13	2	0	0	0	0	0	0	0	1163
14:00	0	1018	223	2	38	4	1	1	2	0	0	0	0	1289
15:00	0	1195	221	3	22	3	0	1	6	0	0	0	0	1451
16:00	1	1139	233	2	5	1	0	1	7	0	0	0	0	1389
17:00	0	1147	220	0	5	2	0	1	1	0	0	0	0	1376
18:00	0	1068	193	1	8	1	0	2	2	0	0	0	0	1275
19:00	0	851	141	0	13	0	0	1	3	0	0	0	0	1009
20:00	2	749	136	1	5	1	0	0	0	0	0	0	0	894
21:00	0	605	108	0	10	1	0	0	2	0	0	0	0	726
22:00	0	409	70	0	6	0	0	0	1	0	0	0	0	486
23:00	0	295	34	0	4	0	0	0	2	0	0	0	0	335
Totals	4	16337	3159	23	244	27	1	13	66		2			19876
% of Totals	0%	82%	16%	0%	1%	0%	0%	0%	0%		0%			100%
		16341			3426	27				82				
		1			1.5	2				3				
		16341			5139	54				246				21780 sum

AM Volumes	1	5963	1233	14	97	10	0	5	35	0	2	0	0	7360
% AM	0%	30%	6%	0%	0%	0%		0%	0%		0%			37%
AM Peak Hour	07:00	07:00	07:00	08:00	09:00	10:00		08:00	08:00		03:00			07:00
Volume	1	955	216	5	15	3		2	7		1			1195
PM Volumes	3	10374	1926	9	147	17	1	8	31	0	0	0	0	12516
% PM	0%	52%	10%	0%	1%	0%	0%	0%	0%					63%
PM Peak Hour	20:00	15:00	16:00	15:00	14:00	14:00	14:00	18:00	16:00					15:00
Volume	2	1195	233	3	38	4	1	2	7					1451

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	↔	%	Volume	↔	%	Volume	↔	%	Volume	↔	%
	2164		11%	2286		12%	2765		14%	12661		64%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Base Line Rd Bet. Linden Ave & Cedar Ave

Day: Thursday
Date: 5/23/2019

City: Rialto
Project #: CA19_6092_005

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	95	15	0	4	3	0	1	2	0	0	0	0	120
01:00	0	68	19	0	3	3	0	0	3	0	0	0	0	96
02:00	0	89	16	0	1	1	0	0	2	0	0	0	0	109
03:00	1	150	30	0	2	4	0	1	9	0	0	0	0	197
04:00	0	287	53	2	9	7	0	5	20	0	0	0	0	383
05:00	1	315	67	4	10	11	0	4	24	0	2	0	0	438
06:00	0	441	103	11	12	14	0	9	37	0	0	0	0	627
07:00	6	711	151	12	6	6	0	7	25	0	0	0	0	924
08:00	6	533	126	9	3	4	0	6	22	0	0	0	0	709
09:00	8	462	110	13	23	23	0	12	26	0	1	0	0	678
10:00	4	482	105	13	31	26	0	18	33	0	0	0	0	712
11:00	7	560	139	11	30	30	0	18	30	0	0	0	0	825
12:00 PM	8	624	146	12	30	35	1	20	34	0	1	0	0	911
13:00	3	613	152	16	31	23	0	17	33	0	0	0	0	888
14:00	7	786	181	20	41	27	1	26	35	1	0	0	0	1125
15:00	5	829	188	18	33	33	0	18	34	0	0	0	0	1158
16:00	6	865	195	13	5	2	0	9	23	0	0	3	0	1121
17:00	7	780	166	8	1	0	1	9	13	0	0	0	0	985
18:00	5	652	149	12	29	16	0	14	24	0	0	0	0	901
19:00	3	471	108	11	23	11	0	12	23	0	1	0	0	663
20:00	0	415	76	8	10	8	0	13	12	0	0	0	0	542
21:00	3	359	61	3	11	11	0	9	15	0	1	0	0	473
22:00	1	261	56	2	9	8	0	4	9	0	0	0	0	350
23:00	0	165	34	0	8	6	0	0	16	0	0	0	0	229
Totals	81	11013	2446	198	365	312	3	232	504	1	6	3		15164
% of Totals	1%	73%	16%	1%	2%	2%	0%	2%	3%	0%	0%	0%		100%
		11094			3009	312				749				
		1.0			1.5	2.0				3.0				
		11094			4514	624				2247				18479 SUM

AM Volumes	33	4193	934	75	134	132	0	81	233	0	3	0	0	5818
% AM	0%	28%	6%	0%	1%	1%		1%	2%		0%			38%
AM Peak Hour	09:00	07:00	07:00	09:00	10:00	11:00		10:00	06:00		05:00			07:00
Volume	8	711	151	13	31	30		18	37		2			924
PM Volumes	48	6820	1512	123	231	180	3	151	271	1	3	3	0	9346
% PM	0%	45%	10%	1%	2%	1%	0%	1%	2%	0%	0%	0%		62%
PM Peak Hour	12:00	16:00	16:00	14:00	14:00	12:00	12:00	14:00	14:00	14:00	12:00	16:00		15:00
Volume	8	865	195	20	41	35	1	26	35	1	1	3		1158

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	1633	⟷	11%	1799	⟷	12%	2106	⟷	14%	9626	⟷	63%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Base Line Rd Bet. Ayala Dr & Fitzgerald Ave

Day: Thursday
Date: 5/23/2019

City: Rialto
Project #: CA19_6092_006

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	66	19	0	0	0	0	0	0	0	0	0	0	85
01:00	0	49	7	0	0	0	0	0	0	0	0	0	0	56
02:00	0	61	15	0	0	0	0	0	1	0	0	0	0	77
03:00	0	103	23	0	2	0	0	1	4	0	0	0	0	133
04:00	0	176	37	0	4	0	0	0	10	0	0	0	0	227
05:00	0	226	58	4	7	2	0	0	2	1	0	0	0	300
06:00	0	332	85	8	13	2	0	1	9	0	0	0	0	450
07:00	0	625	157	3	15	0	0	1	6	0	0	0	0	807
08:00	0	472	124	1	13	3	1	0	6	0	0	0	0	620
09:00	0	411	106	7	19	2	0	1	8	0	0	0	0	554
10:00	0	491	112	10	23	2	0	2	9	0	0	0	0	649
11:00	0	518	136	12	20	4	0	3	7	0	0	0	0	700
12:00 PM	0	604	144	9	16	3	0	2	5	0	0	0	0	783
13:00	0	583	157	16	13	4	0	1	4	0	0	0	0	778
14:00	0	762	188	17	17	4	0	3	5	0	0	0	0	996
15:00	0	788	205	15	11	6	0	0	7	0	0	0	0	1032
16:00	0	869	181	1	17	1	0	0	6	0	0	0	0	1075
17:00	0	774	168	1	4	1	0	0	2	0	0	0	0	950
18:00	0	664	159	8	11	0	0	1	5	0	0	0	0	848
19:00	0	497	115	8	11	0	0	0	4	0	0	0	0	635
20:00	0	428	88	7	10	0	0	1	7	0	0	0	0	541
21:00	0	326	70	2	5	1	0	0	5	0	0	0	0	409
22:00	0	211	49	0	3	0	0	0	4	0	0	0	0	267
23:00	0	135	24	1	2	0	0	0	7	0	0	0	0	169
Totals		10171	2427	130	236	35	1	17	123	1				13141
% of Totals		77%	18%	1%	2%	0%	0%	0%	1%	0%				100%
		10171			2793	35				142				
		1.0			1.5	2.0				3.0				
		10171			4190	70				426				14857 SUM

AM Volumes	0	3530	879	45	116	15	1	9	62	1	0	0	0	4658
% AM		27%	7%	0%	1%	0%	0%	0%	0%	0%				35%
AM Peak Hour		07:00	07:00	11:00	10:00	11:00	08:00	11:00	04:00	05:00				07:00
Volume		625	157	12	23	4	1	3	10	1				807
PM Volumes	0	6641	1548	85	120	20	0	8	61	0	0	0	0	8483
% PM		51%	12%	1%	1%	0%		0%	0%					65%
PM Peak Hour		16:00	15:00	14:00	14:00	15:00		14:00	15:00					16:00
Volume		869	205	17	17	6		3	7					1075

Directional Peak Periods	AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes	
All Classes	Volume	%	Volume	%	Volume	%	Volume	%
	1427 ⟷	11%	1561 ⟷	12%	2025 ⟷	15%	8128 ⟷	62%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Base Line Rd Bet. Idyllwild Ave & Cactus Ave

Day: Thursday
Date: 5/23/2019

City: Rialto
Project #: CA19_6092_007

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	80	22	0	2	0	0	0	0	0	0	0	0	104
01:00	0	51	11	0	0	0	0	0	0	0	0	0	0	62
02:00	0	61	12	0	0	0	0	0	0	0	0	0	0	73
03:00	0	116	27	1	3	0	0	1	0	0	0	0	0	148
04:00	0	183	44	0	5	0	0	0	3	0	0	0	0	235
05:00	0	235	63	3	5	2	0	0	5	0	0	0	0	313
06:00	0	378	103	7	10	1	0	1	10	0	0	0	0	510
07:00	0	627	151	12	10	4	0	0	9	0	0	0	0	813
08:00	0	499	148	8	11	1	0	0	8	0	0	0	0	675
09:00	0	451	122	5	15	2	0	1	4	0	0	0	0	600
10:00	0	530	120	10	21	2	0	1	4	0	0	0	0	688
11:00	0	586	153	9	22	4	0	2	8	0	0	0	0	784
12:00 PM	0	653	159	12	23	3	0	1	8	0	0	0	0	859
13:00	0	682	172	18	16	3	0	1	6	0	0	0	0	898
14:00	0	862	213	16	12	5	0	3	11	0	0	0	0	1122
15:00	1	873	223	15	9	7	0	0	8	0	0	0	0	1136
16:00	1	929	210	11	8	3	0	0	4	0	0	0	0	1166
17:00	0	848	189	12	8	2	0	0	5	0	0	0	0	1064
18:00	0	766	188	12	13	0	0	1	8	0	0	0	0	988
19:00	0	583	129	9	12	1	0	0	3	0	0	0	0	737
20:00	0	481	103	6	12	0	0	1	1	0	0	0	0	604
21:00	0	382	91	3	7	0	0	0	1	0	0	0	0	484
22:00	0	240	55	0	11	0	0	0	0	0	0	0	0	306
23:00	0	140	32	1	9	0	0	0	2	0	0	0	0	184
Totals	2	11236	2740	170	244	40		13	108					14553
% of Totals	0%	77%	19%	1%	2%	0%		0%	1%					100%
		11238			3154	40				121				
		1.0			1.5	2.0				3.0				
		11238			4731	80				363				16412 SUM

AM Volumes	0	3797	976	55	104	16	0	6	51	0	0	0	0	5005
% AM		26%	7%	0%	1%	0%		0%	0%					34%
AM Peak Hour		07:00	11:00	07:00	11:00	07:00		11:00	06:00					07:00
Volume		627	153	12	22	4		2	10					813
PM Volumes	2	7439	1764	115	140	24	0	7	57	0	0	0	0	9548
% PM	0%	51%	12%	1%	1%	0%		0%	0%					66%
PM Peak Hour	15:00	16:00	15:00	13:00	12:00	15:00		14:00	14:00					16:00
Volume	1	929	223	18	23	7		3	11					1166

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	1488		10%	1757		12%	2230		15%	9078		62%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Alder Ave Bet. Renaissance Pkwy & Walnut Ave

Day: Thursday
Date: 2/20/2020

City: Rialto
Project #: CA20_6024_001

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	105	22	0	4	0	0	8	7	0	0	0	0	146
01:00	0	95	17	0	0	1	0	11	14	0	0	0	0	138
02:00	0	121	29	1	8	2	0	18	19	0	0	0	0	198
03:00	1	160	55	0	8	2	0	9	16	0	0	0	0	251
04:00	0	333	95	0	8	3	0	13	20	0	1	0	0	473
05:00	0	363	153	2	25	1	0	8	17	0	1	0	0	570
06:00	0	557	178	1	27	3	0	7	25	0	2	0	0	800
07:00	3	681	207	2	27	7	0	15	42	1	3	0	0	988
08:00	5	506	170	5	21	9	0	18	26	0	2	0	0	762
09:00	3	438	160	6	24	5	0	17	50	0	1	0	0	704
10:00	2	418	149	5	32	9	0	17	47	0	3	0	0	682
11:00	2	459	140	7	29	11	0	21	37	0	2	0	0	708
12:00 PM	3	678	175	10	35	8	0	16	41	0	0	0	0	966
13:00	3	577	169	7	22	7	0	16	41	0	1	0	0	843
14:00	1	716	221	5	32	7	0	9	23	1	3	0	0	1018
15:00	1	725	232	1	35	9	0	14	22	0	0	0	0	1039
16:00	2	718	231	3	47	3	0	9	31	1	1	0	0	1046
17:00	1	813	256	4	32	2	0	6	23	0	1	0	0	1138
18:00	2	686	212	3	29	7	0	7	23	0	2	0	0	971
19:00	0	564	185	1	22	4	0	4	16	0	0	0	0	796
20:00	0	423	106	3	11	0	0	8	14	0	0	0	0	565
21:00	0	413	77	0	12	1	0	4	13	0	1	0	0	521
22:00	0	246	56	0	11	1	0	4	12	0	1	0	0	331
23:00	0	192	21	0	10	0	0	6	19	0	0	0	0	248
Totals	29	10987	3316	66	511	102		265	598	3	25			15902
% of Totals	0%	69%	21%	0%	3%	1%		2%	4%	0%	0%			100%
		11016			3893	102				891				
		1.0			1.5	2.0				3.0				
		11016			5840	204				2673				19733 SUM

AM Volumes	16	4236	1375	29	213	53	0	162	320	1	15	0	0	6420
% AM	0%	27%	9%	0%	1%	0%		1%	2%	0%	0%			40%
AM Peak Hour	08:00	07:00	07:00	11:00	10:00	11:00		11:00	09:00	07:00	07:00			07:00
Volume	5	681	207	7	32	11		21	50	1	3			988
PM Volumes	13	6751	1941	37	298	49	0	103	278	2	10	0	0	9482
% PM	0%	42%	12%	0%	2%	0%		1%	2%	0%	0%			60%
PM Peak Hour	12:00	17:00	17:00	12:00	16:00	15:00		12:00	12:00	14:00	14:00			17:00
Volume	3	813	256	10	47	9		16	41	1	3			1138

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	1750		11%	1809		11%	2184		14%	10159		64%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Alder Ave Bet. Walnut Ave & Miro Way

Day: Thursday
Date: 2/20/2020

City: Rialto
Project #: CA20_6024_002

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	97	18	1	6	0	0	5	6	0	0	0	0	133
01:00	0	86	20	0	4	2	0	7	12	0	0	0	0	131
02:00	0	93	23	0	6	2	0	16	12	0	0	0	0	152
03:00	0	151	52	1	6	1	0	11	8	0	0	0	0	230
04:00	0	235	67	1	24	3	0	16	8	0	1	0	0	355
05:00	0	336	141	2	23	4	1	6	11	0	0	0	0	524
06:00	2	487	157	3	37	3	0	6	15	0	0	0	0	710
07:00	1	662	159	4	36	3	2	9	23	0	6	0	0	905
08:00	5	486	146	3	48	6	1	12	24	1	1	0	0	733
09:00	3	422	127	9	46	6	0	16	27	0	3	0	0	659
10:00	2	360	131	5	41	10	0	14	44	2	3	0	0	612
11:00	2	442	125	8	39	7	2	15	33	0	1	0	0	674
12:00 PM	5	579	137	6	41	7	3	9	29	1	1	0	0	818
13:00	4	554	153	6	29	6	2	14	28	1	2	0	0	799
14:00	1	649	181	4	40	10	2	9	31	0	4	0	0	931
15:00	3	718	190	3	35	7	0	10	23	0	1	0	0	990
16:00	6	689	195	1	40	2	0	6	28	1	2	0	0	970
17:00	0	764	225	1	30	4	0	1	21	0	0	0	0	1046
18:00	1	695	186	2	23	3	1	2	12	0	1	0	0	926
19:00	3	559	153	2	22	2	0	5	11	0	0	0	0	757
20:00	0	436	94	2	14	2	0	3	9	0	1	0	0	561
21:00	0	367	64	2	12	0	0	6	6	0	0	0	0	457
22:00	0	254	51	0	10	0	0	3	7	0	0	0	0	325
23:00	0	213	22	0	5	1	0	3	12	0	0	0	0	256
Totals	38	10334	2817	66	617	91	14	204	440	6	27			14654
% of Totals	0%	71%	19%	0%	4%	1%	0%	1%	3%	0%	0%			100%
		10372			3500	91				691				
		1.0			1.5	2.0				3.0				
		10372			5250	182				2073				17877 SUM

AM Volumes	15	3857	1166	37	316	47	6	133	223	3	15	0	0	5818
% AM	0%	26%	8%	0%	2%	0%	0%	1%	2%	0%	0%			40%
AM Peak Hour	08:00	07:00	07:00	09:00	08:00	10:00	07:00	02:00	10:00	10:00	07:00			07:00
Volume	5	662	159	9	48	10	2	16	44	2	6			905
PM Volumes	23	6477	1651	29	301	44	8	71	217	3	12	0	0	8836
% PM	0%	44%	11%	0%	2%	0%	0%	0%	1%	0%	0%			60%
PM Peak Hour	16:00	17:00	17:00	12:00	12:00	14:00	12:00	13:00	14:00	12:00	14:00			17:00
Volume	6	764	225	6	41	10	3	14	31	1	4			1046

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	1638	⟷	11%	1617	⟷	11%	2016	⟷	14%	9383	⟷	64%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

Prepared by National Data & Surveying Services

CLASSIFICATION

Alder Ave Bet. Miro Way & Base Line Rd

Day: Thursday
Date: 2/20/2020

City: Rialto
Project #: CA20_6024_003

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	78	12	0	0	0	0	0	2	0	0	0	0	92
01:00	0	69	8	0	3	2	0	2	2	0	0	0	0	86
02:00	0	64	15	0	3	0	0	2	0	0	0	0	0	84
03:00	0	131	32	0	4	1	0	1	1	0	0	0	0	170
04:00	0	206	45	1	11	0	0	2	1	0	0	0	0	266
05:00	0	249	96	3	22	0	0	2	2	0	0	0	0	374
06:00	2	408	86	2	25	1	0	3	2	0	1	0	0	530
07:00	2	573	92	4	23	4	3	7	5	0	1	0	0	714
08:00	0	470	96	4	26	7	0	4	5	0	3	0	0	615
09:00	1	404	84	7	31	6	0	1	7	0	1	0	0	542
10:00	3	354	88	4	35	2	1	6	4	0	1	0	0	498
11:00	0	397	78	7	30	6	0	12	5	1	0	0	0	536
12:00 PM	1	503	102	4	32	4	0	3	3	0	2	0	0	654
13:00	0	490	120	3	22	4	1	4	5	0	0	0	0	649
14:00	0	588	140	1	33	4	0	3	6	0	1	0	0	776
15:00	1	669	134	2	31	4	0	3	4	0	1	0	0	849
16:00	0	652	161	2	34	5	0	9	1	0	0	0	0	864
17:00	0	696	154	1	18	4	0	2	1	0	0	0	0	876
18:00	1	622	138	2	20	1	1	3	2	0	2	0	0	792
19:00	0	503	110	2	20	0	0	3	4	0	0	0	0	642
20:00	0	416	61	3	13	0	0	3	0	0	0	0	0	496
21:00	0	316	42	0	5	0	0	1	2	0	0	0	0	366
22:00	2	219	28	0	3	0	0	3	1	0	0	0	0	256
23:00	0	162	15	0	3	0	0	2	0	0	0	0	0	182
Totals	13	9239	1937	52	447	55	6	81	65	1	13			11909
% of Totals	0%	78%	16%	0%	4%	0%	0%	1%	1%	0%	0%			100%
		9252			2436	55				166				
		1.0			1.5	2.0				3.0				
		9252			3654	110				498				13514 SUM

AM Volumes	8	3403	732	32	213	29	4	42	36	1	7	0	0	4507
% AM	0%	29%	6%	0%	2%	0%	0%	0%	0%	0%	0%			38%
AM Peak Hour	10:00	07:00	05:00	09:00	10:00	08:00	07:00	11:00	09:00	11:00	08:00			07:00
Volume	3	573	96	7	35	7	3	12	7	1	3			714
PM Volumes	5	5836	1205	20	234	26	2	39	29	0	6	0	0	7402
% PM	0%	49%	10%	0%	2%	0%	0%	0%	0%		0%			62%
PM Peak Hour	22:00	17:00	16:00	12:00	16:00	16:00	13:00	16:00	14:00		12:00			17:00
Volume	2	696	161	4	34	5	1	9	6		2			876

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	1329		11%	1303		11%	1740		15%	7537		63%

Classification Definitions

1 Motorcycles	4 Buses	7 > =4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

APPENDIX C

PCE WORKSHEETS

Existing Peak Hour Volumes - Classification Counts

1 Alder Ave at SR-210 WB Ramps

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	176	0	3	28	31	15.0%	92	3.0	268	315	6	5	31	42	11.8%	118	2.8	433
NT	220	7	11	45	63	22.3%	177	2.8	397	274	2	15	39	56	17.0%	159	2.8	433
NR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
SL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
ST	81	3	2	45	50	38.2%	146	2.9	227	205	3	13	27	43	17.3%	120	2.8	325
SR	215	5	11	59	75	25.9%	215	2.9	430	228	5	6	39	50	18.0%	142	2.8	370
EL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
ET	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
ER	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WL	213	4	1	7	12	5.3%	32	2.7	245	197	3	1	14	18	8.4%	51	2.8	248
WT	2	0	0	0	0	0.0%	0	0.0	2	5	0	0	0	0	0.0%	0	0.0	5
WR	102	3	2	47	52	33.8%	152	2.9	254	96	1	3	9	13	11.9%	37	2.8	133
									1,823									1,947
North Leg Volumes																		
Approach	296	8	13	104	125		361		657	433	8	19	66	93		262		695
Depart	322	10	13	92	115		329		651	370	3	18	48	69		196		566
Total	618	18	26	196	240	28.0%	690	2.9	1,308	803	11	37	114	162	16.8%	458	2.8	1,261
South Leg Volumes																		
Approach	396	7	14	73	94		269		665	589	8	20	70	98		277		866
Depart	294	7	3	52	62		178		472	402	6	14	41	61		171		573
Total	690	14	17	125	156	18.4%	447	2.9	1,137	991	14	34	111	159	13.8%	448	2.8	1,439
East Leg Volumes																		
Approach	317	7	3	54	64		184		501	298	4	4	23	31		88		386
Depart	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Total	317	7	3	54	64	16.8%	184	2.9	501	298	4	4	23	31	9.4%	88	2.8	386
West Leg Volumes																		
Approach	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Depart	393	5	14	87	106		307		700	548	11	11	70	92		260		808
Total	393	5	14	87	106	21.2%	307	2.9	700	548	11	11	70	92	14.4%	260	2.8	808
All Legs																		
Approach	1,009	22	30	231	283		814		1,823	1,320	20	43	159	222		627		1,947
Depart	1,009	22	30	231	283		814		1,823	1,320	20	43	159	222		627		1,947
Total	2,018	44	60	462	566	21.9%	1,628	2.9	3,646	2,640	40	86	318	444	14.4%	1,254	2.8	3,894

Existing Peak Hour Volumes - Classification Counts

2 Alder Ave at SR-210 EB Ramps

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
NT	241	1	5	32	38	13.6%	111	2.9	352	413	6	11	33	50	10.8%	139	2.8	552
NR	167	2	2	13	17	9.2%	48	2.8	215	279	1	5	7	13	4.5%	36	2.8	315
SL	38	2	2	47	51	57.3%	150	2.9	188	115	1	8	23	32	21.8%	91	2.8	206
ST	259	5	0	8	13	4.8%	34	2.6	293	284	5	2	18	25	8.1%	69	2.8	353
SR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
EL	159	6	9	41	56	26.0%	158	2.8	317	170	2	10	37	49	22.4%	140	2.9	310
ET	2	0	0	0	0	0.0%	0	0.0	2	8	0	0	0	0	0.0%	0	0.0	8
ER	236	8	5	39	52	18.1%	146	2.8	382	289	3	5	21	29	9.1%	82	2.8	371
WL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WT	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
									1,749									2,115
North Leg Volumes																		
Approach	297	7	2	55	64		184		481	399	6	10	41	57		160		559
Depart	400	7	14	73	94		269		669	583	8	21	70	99		279		862
Total	697	14	16	128	158	18.5%	453	2.9	1,150	982	14	31	111	156	13.7%	439	2.8	1,421
South Leg Volumes																		
Approach	408	3	7	45	55		159		567	692	7	16	40	63		175		867
Depart	495	13	5	47	65		180		675	573	8	7	39	54		151		724
Total	903	16	12	92	120	11.7%	339	2.8	1,242	1,265	15	23	79	117	8.5%	326	2.8	1,591
East Leg Volumes																		
Approach	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Depart	207	4	4	60	68		198		405	402	2	13	30	45		127		529
Total	207	4	4	60	68	24.7%	198	2.9	405	402	2	13	30	45	10.1%	127	2.8	529
West Leg Volumes																		
Approach	397	14	14	80	108		304		701	467	5	15	58	78		222		689
Depart	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Total	397	14	14	80	108	21.4%	304	2.8	701	467	5	15	58	78	14.3%	222	2.8	689
All Legs																		
Approach	1,102	24	23	180	227		647		1,749	1,558	18	41	139	198		557		2,115
Depart	1,102	24	23	180	227		647		1,749	1,558	18	41	139	198		557		2,115
Total	2,204	48	46	360	454	17.1%	1,294	2.9	3,498	3,116	36	82	278	396	11.3%	1,114	2.8	4,230

Existing Peak Hour Volumes - Classification Counts

3 Alder Ave at Renaissance Pkwy

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	0	0	0	3	3	100.0%	9	3.0	9	0	0	0	0	0	0.0%	0	0.0	0
NT	314	4	5	21	30	8.7%	84	2.8	398	509	5	15	23	43	7.8%	117	2.7	626
NR	27	0	1	2	3	10.0%	9	3.0	36	65	0	0	1	1	1.5%	3	3.0	68
SL	81	7	3	18	28	25.7%	76	2.7	157	149	1	1	20	22	12.9%	65	3.0	214
ST	416	7	2	29	38	8.4%	106	2.8	522	426	7	7	19	33	7.2%	89	2.7	515
SR	15	1	0	0	1	6.3%	2	2.0	17	5	0	0	0	0	0.0%	0	0.0	5
EL	5	0	1	0	1	16.7%	3	3.0	8	20	0	0	2	2	9.1%	6	3.0	26
ET	2	0	0	1	1	33.3%	3	3.0	5	3	1	0	0	1	25.0%	2	2.0	5
ER	5	0	0	1	1	16.7%	3	3.0	8	1	0	0	2	2	66.7%	6	3.0	7
WL	38	1	0	1	2	5.0%	5	2.5	43	46	0	0	2	2	4.2%	6	3.0	52
WT	3	0	0	0	0	0.0%	0	0.0	3	1	0	0	2	2	66.7%	6	3.0	7
WR	84	0	1	23	24	22.2%	72	3.0	156	166	3	1	15	19	10.3%	54	2.8	220
									1,362									1,745
North Leg Volumes																		
Approach	512	15	5	47	67		184		696	580	8	8	39	55		154		734
Depart	403	4	7	44	55		159		562	695	8	16	40	64		177		872
Total	915	19	12	91	122	11.8%	343	2.8	1,258	1,275	16	24	79	119	8.5%	331	2.8	1,606
South Leg Volumes																		
Approach	341	4	6	26	36		102		443	574	5	15	24	44		120		694
Depart	459	8	2	31	41		114		573	473	7	7	23	37		101		574
Total	800	12	8	57	77	8.8%	216	2.8	1,016	1,047	12	22	47	81	7.2%	221	2.7	1,268
East Leg Volumes																		
Approach	125	1	1	24	26		77		202	213	3	1	19	23		66		279
Depart	110	7	4	21	32		88		198	217	2	1	21	24		70		287
Total	235	8	5	45	58	19.8%	165	2.8	400	430	5	2	40	47	9.9%	136	2.9	566
West Leg Volumes																		
Approach	12	0	1	2	3		9		21	24	1	0	4	5		14		38
Depart	18	1	0	3	4		11		29	6	0	0	2	2		6		12
Total	30	1	1	5	7	18.9%	20	2.9	50	30	1	0	6	7	18.9%	20	2.9	50
All Legs																		
Approach	990	20	13	99	132		372		1,362	1,391	17	24	86	127		354		1,745
Depart	990	20	13	99	132		372		1,362	1,391	17	24	86	127		354		1,745
Total	1,980	40	26	198	264	11.8%	744	2.8	2,724	2,782	34	48	172	254	8.4%	708	2.8	3,490

Existing Peak Hour Volumes - Classification Counts

4 Alder Ave at Base Line Rd

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	29	3	0	1	4	12.1%	9	2.3	38	38	0	0	0	0	0.0%	0	0.0	38
NT	184	0	0	0	0	0.0%	0	0.0	184	317	2	1	1	4	1.2%	10	2.5	327
NR	12	0	0	0	0	0.0%	0	0.0	12	37	1	0	0	1	2.6%	2	2.0	39
SL	22	3	0	2	5	18.5%	12	2.4	34	57	0	0	6	6	9.5%	18	3.0	75
ST	208	2	0	0	2	1.0%	4	2.0	212	276	2	2	0	4	1.4%	9	2.3	285
SR	85	1	0	2	3	3.4%	8	2.7	93	99	2	3	4	9	8.3%	24	2.7	123
EL	74	3	0	1	4	5.1%	9	2.3	83	92	1	0	3	4	4.2%	11	2.8	103
ET	232	8	2	2	12	4.9%	27	2.3	259	461	8	0	0	8	1.7%	16	2.0	477
ER	20	3	1	0	4	16.7%	9	2.3	29	48	0	0	0	0	0.0%	0	0.0	48
WL	19	0	0	0	0	0.0%	0	0.0	19	35	1	0	0	1	2.8%	2	2.0	37
WT	217	4	1	3	8	3.6%	20	2.5	237	321	6	0	2	8	2.4%	18	2.3	339
WR	58	2	0	6	8	12.1%	22	2.8	80	43	0	0	1	1	2.3%	3	3.0	46
									1,280									1,937
North Leg Volumes																		
Approach	315	6	0	4	10		24		339	432	4	5	10	19		51		483
Depart	316	5	0	7	12		31		347	452	3	1	5	9		24		476
Total	631	11	0	11	22	3.4%	55	2.5	686	884	7	6	15	28	3.1%	75	2.7	959
South Leg Volumes																		
Approach	225	3	0	1	4		9		234	392	3	1	1	5		12		404
Depart	247	5	1	0	6		13		260	359	3	2	0	5		11		370
Total	472	8	1	1	10	2.1%	22	2.2	494	751	6	3	1	10	1.3%	23	2.3	774
East Leg Volumes																		
Approach	294	6	1	9	16		42		336	399	7	0	3	10		23		422
Depart	266	11	2	4	17		39		305	555	9	0	6	15		36		591
Total	560	17	3	13	33	5.6%	81	2.5	641	954	16	0	9	25	2.6%	59	2.4	1,013
West Leg Volumes																		
Approach	326	14	3	3	20		45		371	601	9	0	3	12		27		628
Depart	331	8	1	6	15		37		368	458	8	3	6	17		42		500
Total	657	22	4	9	35	5.1%	82	2.3	739	1,059	17	3	9	29	2.7%	69	2.4	1,128
All Legs																		
Approach	1,160	29	4	17	50		120		1,280	1,824	23	6	17	46		113		1,937
Depart	1,160	29	4	17	50		120		1,280	1,824	23	6	17	46		113		1,937
Total	2,320	58	8	34	100	4.1%	240	2.4	2,560	3,648	46	12	34	92	2.5%	226	2.5	3,874

Existing Peak Hour Volumes - Classification Counts

5 Ayala Dr at SR-210 WB Ramps

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	422	5	0	34	39	8.5%	112	2.9	534	532	4	0	2	6	1.1%	14	2.3	546
NT	307	5	1	7	13	4.1%	34	2.6	341	406	3	1	0	4	1.0%	9	2.3	415
NR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
SL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
ST	467	7	1	6	14	2.9%	35	2.5	502	489	2	0	3	5	1.0%	13	2.6	502
SR	259	2	1	7	10	3.7%	28	2.8	287	200	2	0	0	2	1.0%	4	2.0	204
EL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
ET	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
ER	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WL	434	3	3	1	7	1.6%	17	2.4	451	641	4	0	0	4	0.6%	8	2.0	649
WT	3	0	0	0	0	0.0%	0	0.0	3	4	1	0	0	1	20.0%	2	2.0	6
WR	218	2	1	0	3	1.4%	7	2.3	225	255	1	2	6	9	3.4%	25	2.8	280
									2,343									2,602
North Leg Volumes																		
Approach	726	9	2	13	24		63		789	689	4	0	3	7		17		706
Depart	525	7	2	7	16		41		566	661	4	3	6	13		34		695
Total	1,251	16	4	20	40	3.1%	104	2.6	1,355	1,350	8	3	9	20	1.5%	51	2.6	1,401
South Leg Volumes																		
Approach	729	10	1	41	52		146		875	938	7	1	2	10		23		961
Depart	901	10	4	7	21		52		953	1,130	6	0	3	9		21		1,151
Total	1,630	20	5	48	73	4.3%	198	2.7	1,828	2,068	13	1	5	19	0.9%	44	2.3	2,112
East Leg Volumes																		
Approach	655	5	4	1	10		24		679	900	6	2	6	14		35		935
Depart	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Total	655	5	4	1	10	1.5%	24	2.4	679	900	6	2	6	14	1.5%	35	2.5	935
West Leg Volumes																		
Approach	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Depart	684	7	1	41	49		140		824	736	7	0	2	9		20		756
Total	684	7	1	41	49	6.7%	140	2.9	824	736	7	0	2	9	1.2%	20	2.2	756
All Legs																		
Approach	2,110	24	7	55	86		233		2,343	2,527	17	3	11	31		75		2,602
Depart	2,110	24	7	55	86		233		2,343	2,527	17	3	11	31		75		2,602
Total	4,220	48	14	110	172	3.9%	466	2.7	4,686	5,054	34	6	22	62	1.2%	150	2.4	5,204

Existing Peak Hour Volumes - Classification Counts

6 Ayala Dr at SR-210 EB Ramps

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	1	0	0	0	0	0.0%	0	0.0	1	0	0	0	0	0	0.0%	0	0.0	0
NT	677	8	2	32	42	5.8%	117	2.8	794	709	2	1	1	4	0.6%	10	2.5	719
NR	434	4	0	1	5	1.1%	11	2.2	445	644	2	0	4	6	0.9%	16	2.7	660
SL	252	6	0	5	11	4.2%	27	2.5	279	232	3	0	4	7	2.9%	18	2.6	250
ST	661	4	3	2	9	1.3%	22	2.4	683	807	1	0	5	6	0.7%	17	2.8	824
SR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
EL	105	2	0	5	7	6.3%	19	2.7	124	218	4	0	0	4	1.8%	8	2.0	226
ET	2	0	0	0	0	0.0%	0	0.0	2	1	0	0	0	0	0.0%	0	0.0	1
ER	416	11	1	34	46	10.0%	127	2.8	543	552	5	1	3	9	1.6%	22	2.4	574
WL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WT	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
									2,871									3,254
North Leg Volumes																		
Approach	913	10	3	7	20		49		962	1,039	4	0	9	13		35		1,074
Depart	782	10	2	37	49		136		918	927	6	1	1	8		18		945
Total	1,695	20	5	44	69	3.9%	185	2.7	1,880	1,966	10	1	10	21	1.1%	53	2.5	2,019
South Leg Volumes																		
Approach	1,112	12	2	33	47		128		1,240	1,353	4	1	5	10		26		1,379
Depart	1,077	15	4	36	55		149		1,226	1,359	6	1	8	15		39		1,398
Total	2,189	27	6	69	102	4.5%	277	2.7	2,466	2,712	10	2	13	25	0.9%	65	2.6	2,777
East Leg Volumes																		
Approach	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Depart	688	10	0	6	16		38		726	877	5	0	8	13		34		911
Total	688	10	0	6	16	2.3%	38	2.4	726	877	5	0	8	13	1.5%	34	2.6	911
West Leg Volumes																		
Approach	523	13	1	39	53		146		669	771	9	1	3	13		30		801
Depart	1	0	0	0	0		0		1	0	0	0	0	0		0		0
Total	524	13	1	39	53	9.2%	146	2.8	670	771	9	1	3	13	1.7%	30	2.3	801
All Legs																		
Approach	2,548	35	6	79	120		323		2,871	3,163	17	2	17	36		91		3,254
Depart	2,548	35	6	79	120		323		2,871	3,163	17	2	17	36		91		3,254
Total	5,096	70	12	158	240	4.5%	646	2.7	5,742	6,326	34	4	34	72	1.1%	182	2.5	6,508

Existing Peak Hour Volumes - Classification Counts

7 Ayala Dr at Renaissance Pkwy

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	54	0	0	0	0	0.0%	0	0.0	54	112	0	1	0	1	0.9%	3	3.0	115
NT	620	8	1	32	41	6.2%	115	2.8	735	657	3	0	5	8	1.2%	21	2.6	678
NR	18	0	0	0	0	0.0%	0	0.0	18	41	0	0	0	0	0.0%	0	0.0	41
SL	140	2	0	1	3	2.1%	7	2.3	147	240	1	1	0	2	0.8%	5	2.5	245
ST	630	9	2	38	49	7.2%	137	2.8	767	562	4	1	6	11	1.9%	29	2.6	591
SR	300	4	0	1	5	1.6%	11	2.2	311	557	1	0	2	3	0.5%	8	2.7	565
EL	188	3	1	0	4	2.1%	9	2.3	197	469	1	0	0	1	0.2%	2	2.0	471
ET	66	0	0	0	0	0.0%	0	0.0	66	178	0	0	1	1	0.6%	3	3.0	181
ER	58	1	0	0	1	1.7%	2	2.0	60	124	0	0	0	0	0.0%	0	0.0	124
WL	11	0	0	0	0	0.0%	0	0.0	11	34	0	1	0	1	2.9%	3	3.0	37
WT	77	1	0	0	1	1.3%	2	2.0	79	148	0	0	1	1	0.7%	3	3.0	151
WR	298	1	0	0	1	0.3%	2	2.0	300	221	1	1	0	2	0.9%	5	2.5	226
									2,745									3,425
North Leg Volumes																		
Approach	1,070	15	2	40	57		155		1,225	1,359	6	2	8	16		42		1,401
Depart	1,106	12	2	32	46		126		1,232	1,347	5	1	5	11		28		1,375
Total	2,176	27	4	72	103	4.5%	281	2.7	2,457	2,706	11	3	13	27	1.0%	70	2.6	2,776
South Leg Volumes																		
Approach	692	8	1	32	41		115		807	810	3	1	5	9		24		834
Depart	699	10	2	38	50		139		838	720	4	2	6	12		32		752
Total	1,391	18	3	70	91	6.1%	254	2.8	1,645	1,530	7	3	11	21	1.4%	56	2.7	1,586
East Leg Volumes																		
Approach	386	2	0	0	2		4		390	403	1	2	1	4		11		414
Depart	224	2	0	1	3		7		231	459	1	1	1	3		8		467
Total	610	4	0	1	5	0.8%	11	2.2	621	862	2	3	2	7	0.8%	19	2.7	881
West Leg Volumes																		
Approach	312	4	1	0	5		11		323	771	1	0	1	2		5		776
Depart	431	5	0	1	6		13		444	817	1	1	3	5		14		831
Total	743	9	1	1	11	1.5%	24	2.2	767	1,588	2	1	4	7	0.4%	19	2.7	1,607
All Legs																		
Approach	2,460	29	4	72	105		285		2,745	3,343	11	5	15	31		82		3,425
Depart	2,460	29	4	72	105		285		2,745	3,343	11	5	15	31		82		3,425
Total	4,920	58	8	144	210	4.1%	570	2.7	5,490	6,686	22	10	30	62	0.9%	164	2.6	6,850

Existing Peak Hour Volumes - Classification Counts

8 Ayala Dr at Fitzgerald Ave

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	4	0	0	0	0	0.0%	0	0.0	4	4	0	0	0	0	0.0%	0	0.0	4
NT	604	6	1	2	9	1.5%	21	2.3	625	723	3	1	2	6	0.8%	15	2.5	738
NR	5	0	0	0	0	0.0%	0	0.0	5	6	0	0	0	0	0.0%	0	0.0	6
SL	106	1	0	1	2	1.9%	5	2.5	111	140	0	0	0	0	0.0%	0	0.0	140
ST	567	8	1	4	13	2.2%	31	2.4	598	660	1	1	3	5	0.8%	14	2.8	674
SR	0	0	0	33	33	100.0%	99	3.0	99	2	0	0	0	0	0.0%	0	0.0	2
EL	0	0	0	0	0	0.0%	0	0.0	0	2	0	0	0	0	0.0%	0	0.0	2
ET	3	0	0	0	0	0.0%	0	0.0	3	0	0	0	0	0	0.0%	0	0.0	0
ER	0	0	0	0	0	0.0%	0	0.0	0	2	0	1	0	1	33.3%	3	3.0	5
WL	3	0	0	0	0	0.0%	0	0.0	3	3	0	1	0	1	25.0%	3	3.0	6
WT	2	0	0	0	0	0.0%	0	0.0	2	1	0	0	0	0	0.0%	0	0.0	1
WR	105	0	0	0	0	0.0%	0	0.0	105	129	1	0	1	2	1.5%	5	2.5	134
									1,555									1,712
North Leg Volumes																		
Approach	673	9	1	38	48		135		808	802	1	1	3	5		14		816
Depart	709	6	1	2	9		21		730	854	4	1	3	8		20		874
Total	1,382	15	2	40	57	4.0%	156	2.7	1,538	1,656	5	2	6	13	0.8%	34	2.6	1,690
South Leg Volumes																		
Approach	613	6	1	2	9		21		634	733	3	1	2	6		15		748
Depart	570	8	1	4	13		31		601	665	1	3	3	7		20		685
Total	1,183	14	2	6	22	1.8%	52	2.4	1,235	1,398	4	4	5	13	0.9%	35	2.7	1,433
East Leg Volumes																		
Approach	110	0	0	0	0		0		110	133	1	1	1	3		8		141
Depart	114	1	0	1	2		5		119	146	0	0	0	0		0		146
Total	224	1	0	1	2	0.9%	5	2.5	229	279	1	1	1	3	1.1%	8	2.7	287
West Leg Volumes																		
Approach	3	0	0	0	0		0		3	4	0	1	0	1		3		7
Depart	6	0	0	33	33		99		105	7	0	0	0	0		0		7
Total	9	0	0	33	33	78.6%	99	3.0	108	11	0	1	0	1	8.3%	3	3.0	14
All Legs																		
Approach	1,399	15	2	40	57		156		1,555	1,672	5	4	6	15		40		1,712
Depart	1,399	15	2	40	57		156		1,555	1,672	5	4	6	15		40		1,712
Total	2,798	30	4	80	114	3.9%	312	2.7	3,110	3,344	10	8	12	30	0.9%	80	2.7	3,424

Existing Peak Hour Volumes - Classification Counts

9 Ayala Dr at Base Line Rd

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	82	6	3	17	26	24.1%	71	2.7	153	93	2	3	8	13	12.3%	36	2.8	129
NT	506	9	1	2	12	2.3%	27	2.3	533	581	2	2	1	5	0.9%	12	2.4	593
NR	53	2	0	0	2	3.6%	4	2.0	57	96	2	0	2	4	4.0%	10	2.5	106
SL	44	0	1	0	1	2.2%	3	3.0	47	76	0	0	0	0	0.0%	0	0.0	76
ST	480	7	1	4	12	2.4%	29	2.4	509	504	3	2	5	10	1.9%	26	2.6	530
SR	43	0	0	0	0	0.0%	0	0.0	43	75	1	0	0	1	1.3%	2	2.0	77
EL	95	1	1	1	3	3.1%	8	2.7	103	131	1	0	2	3	2.2%	8	2.7	139
ET	280	6	0	0	6	2.1%	12	2.0	292	368	9	0	2	11	2.9%	24	2.2	392
ER	88	2	6	6	14	13.7%	37	2.6	125	95	1	7	12	20	17.4%	56	2.8	151
WL	72	1	2	3	6	7.7%	16	2.7	88	84	1	0	0	1	1.2%	2	2.0	86
WT	328	5	2	6	13	3.8%	33	2.5	361	334	4	1	2	7	2.1%	17	2.4	351
WR	29	3	0	0	3	9.4%	6	2.0	35	53	1	0	0	1	1.9%	2	2.0	55
									2,346									2,685
North Leg Volumes																		
Approach	567	7	2	4	13		32		599	655	4	2	5	11		28		683
Depart	630	13	2	3	18		41		671	765	4	2	3	9		22		787
Total	1,197	20	4	7	31	2.5%	73	2.4	1,270	1,420	8	4	8	20	1.4%	50	2.5	1,470
South Leg Volumes																		
Approach	641	17	4	19	40		102		743	770	6	5	11	22		58		828
Depart	640	10	9	13	32		82		722	683	5	9	17	31		84		767
Total	1,281	27	13	32	72	5.3%	184	2.6	1,465	1,453	11	14	28	53	3.5%	142	2.7	1,595
East Leg Volumes																		
Approach	429	9	4	9	22		55		484	471	6	1	2	9		21		492
Depart	377	8	1	0	9		19		396	540	11	0	4	15		34		574
Total	806	17	5	9	31	3.7%	74	2.4	880	1,011	17	1	6	24	2.3%	55	2.3	1,066
West Leg Volumes																		
Approach	463	9	7	7	23		57		520	594	11	7	16	34		88		682
Depart	453	11	5	23	39		104		557	502	7	4	10	21		55		557
Total	916	20	12	30	62	6.3%	161	2.6	1,077	1,096	18	11	26	55	4.8%	143	2.6	1,239
All Legs																		
Approach	2,100	42	17	39	98		246		2,346	2,490	27	15	34	76		195		2,685
Depart	2,100	42	17	39	98		246		2,346	2,490	27	15	34	76		195		2,685
Total	4,200	84	34	78	196	4.5%	492	2.5	4,692	4,980	54	30	68	152	3.0%	390	2.6	5,370

Existing Peak Hour Volumes - Classification Counts

10 Fitzgerald Ave at Base Line Rd

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
NT	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
NR	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
SL	70	1	0	0	1	1.4%	2	2.0	72	120	0	0	0	0	0.0%	0	0.0	120
ST	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
SR	15	0	0	0	0	0.0%	0	0.0	15	47	1	0	0	1	2.1%	2	2.0	49
EL	37	0	0	0	0	0.0%	0	0.0	37	27	0	0	1	1	3.6%	3	3.0	30
ET	342	8	2	0	10	2.8%	21	2.1	363	527	11	1	3	15	2.8%	34	2.3	561
ER	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WL	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
WT	393	9	3	7	19	4.6%	47	2.5	440	438	6	1	2	9	2.0%	21	2.3	459
WR	87	1	0	0	1	1.1%	2	2.0	89	114	0	0	0	0	0.0%	0	0.0	114
									1,016									1,333
North Leg Volumes																		
Approach	85	1	0	0	1		2		87	167	1	0	0	1		2		169
Depart	124	1	0	0	1		2		126	141	0	0	1	1		3		144
Total	209	2	0	0	2	0.9%	4	2.0	213	308	1	0	1	2	0.6%	5	2.5	313
South Leg Volumes																		
Approach	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Depart	0	0	0	0	0		0		0	0	0	0	0	0		0		0
Total	0	0	0	0	0	0.0%	0	0.0	0	0	0	0	0	0	0.0%	0	0.0	0
East Leg Volumes																		
Approach	480	10	3	7	20		49		529	552	6	1	2	9		21		573
Depart	412	9	2	0	11		23		435	647	11	1	3	15		34		681
Total	892	19	5	7	31	3.4%	72	2.3	964	1,199	17	2	5	24	2.0%	55	2.3	1,254
West Leg Volumes																		
Approach	379	8	2	0	10		21		400	554	11	1	4	16		37		591
Depart	408	9	3	7	19		47		455	485	7	1	2	10		23		508
Total	787	17	5	7	29	3.6%	68	2.3	855	1,039	18	2	6	26	2.4%	60	2.3	1,099
All Legs																		
Approach	944	19	5	7	31		72		1,016	1,273	18	2	6	26		60		1,333
Depart	944	19	5	7	31		72		1,016	1,273	18	2	6	26		60		1,333
Total	1,888	38	10	14	62	3.2%	144	2.3	2,032	2,546	36	4	12	52	2.0%	120	2.3	2,666

Existing Peak Hour Volumes - Classification Counts

11 Cactus Ave at Base Line Rd

	AM Peak Hour Volumes									PM Peak Hour Volumes								
		Truck Volumes							Total		Truck Volumes							Total
	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume	Passenger Vehicles	2-Axle 2	3-Axle 2.5	4-Axle 3.0	Total Trucks	Truck %-age	PCE	Average PCE	PCE Volume
NL	59	2	0	0	2	3.3%	4	2.0	63	87	1	0	1	2	2.2%	5	2.5	92
NT	292	5	0	1	6	2.0%	13	2.2	305	376	1	0	0	1	0.3%	2	2.0	378
NR	115	6	0	0	6	5.0%	12	2.0	127	88	1	0	0	1	1.1%	2	2.0	90
SL	92	1	0	0	1	1.1%	2	2.0	94	89	0	0	0	0	0.0%	0	0.0	89
ST	405	9	1	0	10	2.4%	21	2.1	426	231	3	4	0	7	2.9%	16	2.3	247
SR	70	4	0	1	5	6.7%	11	2.2	81	53	0	0	0	0	0.0%	0	0.0	53
EL	58	2	1	0	3	4.9%	7	2.3	65	64	2	0	0	2	3.0%	4	2.0	68
ET	237	7	1	0	8	3.3%	17	2.1	254	482	7	0	3	10	2.0%	23	2.3	505
ER	80	1	0	0	1	1.2%	2	2.0	82	77	2	0	0	2	2.5%	4	2.0	81
WL	130	3	0	0	3	2.3%	6	2.0	136	102	0	0	0	0	0.0%	0	0.0	102
WT	297	7	2	6	15	4.8%	37	2.5	334	387	3	1	1	5	1.3%	12	2.4	399
WR	94	3	0	1	4	4.1%	9	2.3	103	74	1	0	0	1	1.3%	2	2.0	76
									2,070									2,180
North Leg Volumes																		
Approach	567	14	1	1	16		34		601	373	3	4	0	7		16		389
Depart	444	10	1	2	13		29		473	514	4	0	0	4		8		522
Total	1,011	24	2	3	29	2.8%	63	2.2	1,074	887	7	4	0	11	1.2%	24	2.2	911
South Leg Volumes																		
Approach	466	13	0	1	14		29		495	551	3	0	1	4		9		560
Depart	615	13	1	0	14		29		644	410	5	4	0	9		20		430
Total	1,081	26	1	1	28	2.5%	58	2.1	1,139	961	8	4	1	13	1.3%	29	2.2	990
East Leg Volumes																		
Approach	521	13	2	7	22		52		573	563	4	1	1	6		14		577
Depart	444	14	1	0	15		31		475	659	8	0	3	11		25		684
Total	965	27	3	7	37	3.7%	83	2.2	1,048	1,222	12	1	4	17	1.4%	39	2.3	1,261
West Leg Volumes																		
Approach	375	10	2	0	12		26		401	623	11	0	3	14		31		654
Depart	426	13	2	7	22		52		478	527	4	1	2	7		17		544
Total	801	23	4	7	34	4.1%	78	2.3	879	1,150	15	1	5	21	1.8%	48	2.3	1,198
All Legs																		
Approach	1,929	50	5	9	64		141		2,070	2,110	21	5	5	31		70		2,180
Depart	1,929	50	5	9	64		141		2,070	2,110	21	5	5	31		70		2,180
Total	3,858	100	10	18	128	3.2%	282	2.2	4,140	4,220	42	10	10	62	1.4%	140	2.3	4,360

Int	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
1	268	397	0	0	227	430	0	0	0	245	2	254	Alder Ave at SR-210 WB Ramps
2	0	352	215	188	293	0	317	2	382	0	0	0	Alder Ave at SR-210 EB Ramps
3	9	398	36	157	522	17	8	5	8	43	3	156	Alder Ave at Renaissance Pkwy
4	38	184	12	34	212	93	83	259	29	19	237	80	Alder Ave at Base Line Rd
5	534	341	0	0	502	287	0	0	0	451	3	225	Ayala Dr at SR-210 WB Ramps
6	1	794	445	279	683	0	124	2	543	0	0	0	Ayala Dr at SR-210 EB Ramps
7	54	735	18	147	767	311	197	66	60	11	79	300	Ayala Dr at Renaissance Pkwy
8	4	625	5	111	598	99	0	3	0	3	2	105	Ayala Dr at Fitzgerald Ave
9	153	533	57	47	509	43	103	292	125	88	361	35	Ayala Dr at Base Line Rd
10	0	0	0	72	0	15	37	363	0	0	440	89	Fitzgerald Ave at Base Line Rd
11	63	305	127	94	426	81	65	254	82	136	334	103	Cactus Ave at Base Line Rd

Int	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
1	433	433	0	0	325	370	0	0	0	248	5	133	Alder Ave at SR-210 WB Ramps
2	0	552	315	206	353	0	310	8	371	0	0	0	Alder Ave at SR-210 EB Ramps
3	0	626	68	214	515	5	26	5	7	52	7	220	Alder Ave at Renaissance Pkwy
4	38	327	39	75	285	123	103	477	48	37	339	46	Alder Ave at Base Line Rd
5	546	415	0	0	502	204	0	0	0	649	6	280	Ayala Dr at SR-210 WB Ramps
6	0	719	660	250	824	0	226	1	574	0	0	0	Ayala Dr at SR-210 EB Ramps
7	115	678	41	245	591	565	471	181	124	37	151	226	Ayala Dr at Renaissance Pkwy
8	4	738	6	140	674	2	2	0	5	6	1	134	Ayala Dr at Fitzgerald Ave
9	129	593	106	76	530	77	139	392	151	86	351	55	Ayala Dr at Base Line Rd
10	0	0	0	120	0	49	30	561	0	0	459	114	Fitzgerald Ave at Base Line Rd
11	92	378	90	89	247	53	68	505	81	102	399	76	Cactus Ave at Base Line Rd

APPENDIX **D**

INTERSECTION ANALYSIS WORKSHEETS

Rialto Olive Avenue Development

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Scenario 1 EX AM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	NB Left	0.613	24.4	C
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	0.569	25.7	C
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.351	25.5	C
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.343	29.0	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Right	0.547	26.5	C
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	SB Left	0.553	20.1	C
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.328	19.4	B
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.022	46.3	E
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.416	32.5	C
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.183	15.5	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.386	32.0	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	24.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.613

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Peak Hour Factor	0.9340	0.9340	1.0000	1.0000	0.9340	0.9340	1.0000	1.0000	1.0000	0.9340	0.9340	0.9340
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	72	106	0	0	61	115	0	0	0	66	1	68
Total Analysis Volume [veh/h]	287	425	0	0	243	460	0	0	0	262	2	272
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	27	60	0	0	33	0	0	0	0	0	30	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	16	64	44	44		18	18
g / C, Green / Cycle	0.18	0.71	0.49	0.49		0.20	0.20
(v / s)_i Volume / Saturation Flow Rate	0.16	0.12	0.13	0.28		0.14	0.17
s, saturation flow rate [veh/h]	1810	3618	1900	1615		1810	1617
c, Capacity [veh/h]	329	2579	925	786		359	321
d1, Uniform Delay [s]	35.81	4.21	13.60	16.58		33.82	34.82
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	7.22	0.14	0.69	3.18		2.86	6.48
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	0.87	0.16	0.26	0.59		0.73	0.85
d, Delay for Lane Group [s/veh]	43.03	4.34	14.29	19.76		36.68	41.31
Lane Group LOS	D	A	B	B		D	D
Critical Lane Group	Yes	No	No	Yes		No	Yes
50th-Percentile Queue Length [veh/ln]	6.35	0.86	2.69	6.49		5.27	5.94
50th-Percentile Queue Length [ft/ln]	158.70	21.54	67.23	162.28		131.70	148.58
95th-Percentile Queue Length [veh/ln]	10.48	1.55	4.84	10.67		9.03	9.94
95th-Percentile Queue Length [ft/ln]	262.00	38.77	121.02	266.74		225.80	248.53

Movement, Approach, & Intersection Results

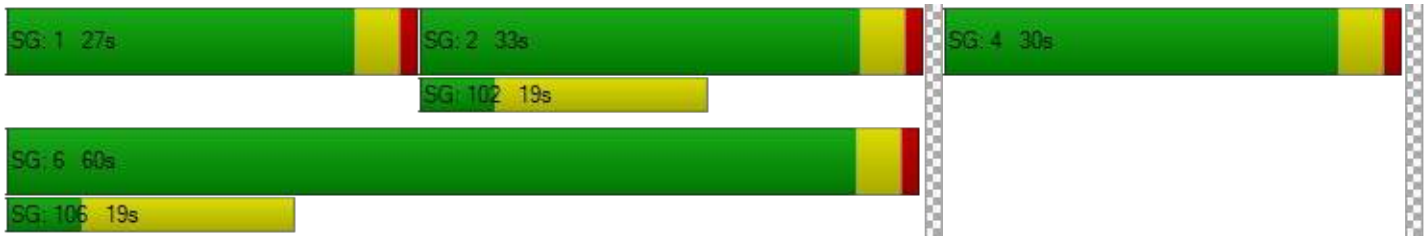
d_M, Delay for Movement [s/veh]	43.03	4.34	0.00	0.00	14.29	19.76	0.00	0.00	0.00	36.68	41.31	41.31
Movement LOS	D	A			B	B				D	D	D
d_A, Approach Delay [s/veh]	19.94			17.87			0.00			39.05		
Approach LOS	B			B			A			D		
d_I, Intersection Delay [s/veh]	24.44											
Intersection LOS	C											
Intersection V/C	0.613											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.155	2.152
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1244	644	0	578
d_b, Bicycle Delay [s]	6.42	20.67	45.00	22.76
l_b,int, Bicycle LOS Score for Intersection	2.147	2.140	4.132	2.444
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	25.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.569

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Peak Hour Factor	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	98	60	52	82	0	88	1	107	0	0	0
Total Analysis Volume [veh/h]	0	393	240	210	327	0	354	2	426	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	23	0	16	39	0	0	51	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	39	39	12	55	27	27	
g / C, Green / Cycle	0.44	0.44	0.13	0.61	0.30	0.30	
(v / s)_i Volume / Saturation Flow Rate	0.17	0.19	0.12	0.09	0.20	0.26	
s, saturation flow rate [veh/h]	1900	1676	1810	3618	1810	1615	
c, Capacity [veh/h]	828	730	241	2219	539	481	
d1, Uniform Delay [s]	17.20	17.67	38.24	7.39	27.63	30.15	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.34	1.87	9.33	0.14	1.39	5.67	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.38	0.43	0.87	0.15	0.66	0.89	
d, Delay for Lane Group [s/veh]	18.53	19.54	47.57	7.53	29.03	35.82	
Lane Group LOS	B	B	D	A	C	D	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	4.22	4.40	4.87	1.10	6.31	8.73	
50th-Percentile Queue Length [ft/ln]	105.51	109.99	121.79	27.40	157.87	218.25	
95th-Percentile Queue Length [veh/ln]	7.59	7.84	8.49	1.97	10.44	13.58	
95th-Percentile Queue Length [ft/ln]	189.74	195.99	212.29	49.32	260.90	339.40	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	18.73	19.54	47.57	7.53	0.00	29.03	29.03	35.82	0.00	0.00	0.00
Movement LOS		B	B	D	A		C	C	D			
d_A, Approach Delay [s/veh]	19.04			23.19			32.73			0.00		
Approach LOS	B			C			C			A		
d_I, Intersection Delay [s/veh]	25.66											
Intersection LOS	C											
Intersection V/C	0.569											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.352	1.866
Crosswalk LOS	F	F	B	A
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	422	778	1044	0
d_b, Bicycle Delay [s]	28.01	16.81	10.27	45.00
l_b,int, Bicycle LOS Score for Intersection	2.082	2.003	2.850	4.132
Bicycle LOS	B	B	C	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	25.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.351

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Peak Hour Factor	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	115	10	45	151	5	2	1	2	12	1	45
Total Analysis Volume [veh/h]	10	460	42	181	603	20	9	6	9	50	3	180
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	24	0	23	37	0	10	24	0	19	33	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	102	102	102	102	102	102	102	102	102	102	102	102
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	1	47	47	12	58	58	1	10	10	5	13	13
g / C, Green / Cycle	0.01	0.46	0.46	0.12	0.57	0.57	0.01	0.10	0.10	0.04	0.13	0.13
(v / s)_i Volume / Saturation Flow Rate	0.01	0.13	0.13	0.10	0.16	0.16	0.00	0.00	0.01	0.03	0.00	0.11
s, saturation flow rate [veh/h]	1810	1900	1845	1810	1900	1879	1810	1900	1615	1810	1900	1615
c, Capacity [veh/h]	27	874	849	215	1072	1060	25	192	163	82	252	214
d1, Uniform Delay [s]	49.77	17.15	17.17	43.98	11.58	11.59	49.87	41.37	41.47	47.80	38.43	43.19
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.32	0.84	0.87	8.48	0.69	0.70	8.84	0.07	0.14	7.10	0.02	8.56
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.37	0.29	0.29	0.84	0.29	0.29	0.37	0.03	0.06	0.61	0.01	0.84
d, Delay for Lane Group [s/veh]	58.09	17.99	18.04	52.46	12.28	12.28	58.71	41.43	41.61	54.90	38.45	51.75
Lane Group LOS	E	B	B	D	B	B	E	D	D	D	D	D
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.30	3.57	3.50	4.77	3.40	3.37	0.28	0.14	0.20	1.37	0.06	4.77
50th-Percentile Queue Length [ft/ln]	7.62	89.23	87.45	119.13	85.12	84.26	7.03	3.38	5.12	34.25	1.61	119.18
95th-Percentile Queue Length [veh/ln]	0.55	6.42	6.30	8.35	6.13	6.07	0.51	0.24	0.37	2.47	0.12	8.35
95th-Percentile Queue Length [ft/ln]	13.71	160.61	157.42	208.63	153.22	151.66	12.65	6.09	9.21	61.65	2.90	208.70

Movement, Approach, & Intersection Results

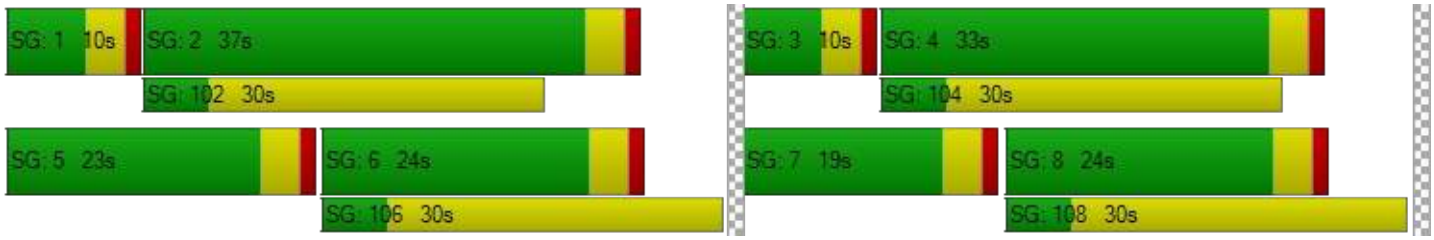
d_M, Delay for Movement [s/veh]	58.09	18.01	18.04	52.46	12.28	12.28	58.71	41.43	41.61	54.90	38.45	51.75
Movement LOS	E	B	B	D	B	B	E	D	D	D	D	D
d_A, Approach Delay [s/veh]	18.80			21.32			47.98			52.25		
Approach LOS	B			C			D			D		
d_I, Intersection Delay [s/veh]	25.49											
Intersection LOS	C											
Intersection V/C	0.351											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	42.40	42.40	42.40	42.40
l_p,int, Pedestrian LOS Score for Intersection	2.689	2.780	2.324	2.443
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	392	647	392	569
d_b, Bicycle Delay [s]	32.96	23.34	32.96	26.12
l_b,int, Bicycle LOS Score for Intersection	1.982	2.223	1.579	1.752
Bicycle LOS	A	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	29.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.343

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	184	12	34	212	93	83	259	29	19	237	80
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	184	12	34	212	93	83	259	29	19	237	80
Peak Hour Factor	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	52	3	10	60	26	23	73	8	5	67	23
Total Analysis Volume [veh/h]	43	208	14	38	240	105	94	293	33	21	268	90
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	30	0	14	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	49	4	49	59	6	19	2	15	23
g / C, Green / Cycle	0.04	0.55	0.04	0.54	0.66	0.07	0.21	0.03	0.17	0.25
(v / s)_i Volume / Saturation Flow Rate	0.02	0.12	0.02	0.13	0.07	0.05	0.17	0.01	0.14	0.06
s, saturation flow rate [veh/h]	1810	1879	1810	1900	1615	1810	1867	1810	1900	1615
c, Capacity [veh/h]	80	1024	76	1031	1057	122	387	50	319	411
d1, Uniform Delay [s]	42.10	10.57	42.17	10.77	5.75	41.30	34.25	43.03	36.27	26.48
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.48	0.49	4.97	0.53	0.19	9.89	5.00	5.40	5.90	0.26
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.22	0.50	0.23	0.10	0.77	0.84	0.42	0.84	0.22
d, Delay for Lane Group [s/veh]	47.59	11.06	47.14	11.30	5.94	51.18	39.26	48.43	42.17	26.75
Lane Group LOS	D	B	D	B	A	D	D	D	D	C
Critical Lane Group	Yes	No	No	Yes	No	Yes	No	No	Yes	No
50th-Percentile Queue Length [veh/ln]	1.01	2.04	0.89	2.24	0.60	2.27	6.87	0.51	5.83	1.45
50th-Percentile Queue Length [ft/ln]	25.19	51.02	22.20	56.11	14.94	56.77	171.75	12.79	145.84	36.18
95th-Percentile Queue Length [veh/ln]	1.81	3.67	1.60	4.04	1.08	4.09	11.17	0.92	9.79	2.61
95th-Percentile Queue Length [ft/ln]	45.34	91.84	39.95	100.99	26.89	102.18	279.21	23.02	244.86	65.13

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.59	11.06	11.06	47.14	11.30	5.94	51.18	39.26	39.26	48.43	42.17	26.75
Movement LOS	D	B	B	D	B	A	D	D	D	D	D	C
d_A, Approach Delay [s/veh]	16.98			13.38			41.93			38.85		
Approach LOS	B			B			D			D		
d_I, Intersection Delay [s/veh]	29.00											
Intersection LOS	C											
Intersection V/C	0.343											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.244	2.553	2.395	2.537
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	578	667	711	667
d_b, Bicycle Delay [s]	22.76	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	1.997	2.192	2.253	2.185
Bicycle LOS	A	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	26.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.547

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	534	341	0	0	502	287	0	0	0	451	3	225
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	534	341	0	0	502	287	0	0	0	451	3	225
Peak Hour Factor	0.9480	0.9480	1.0000	1.0000	0.9480	0.9480	1.0000	1.0000	1.0000	0.9480	0.9480	0.9480
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	141	90	0	0	132	76	0	0	0	119	1	59
Total Analysis Volume [veh/h]	563	360	0	0	530	303	0	0	0	476	3	237
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	31	67	0	0	36	0	0	0	0	0	23	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	17	67	46	46		15	15	15
g / C, Green / Cycle	0.19	0.74	0.51	0.51		0.17	0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.16	0.10	0.22	0.25		0.14	0.14	0.14
s, saturation flow rate [veh/h]	3514	3618	1900	1684		1810	1800	1615
c, Capacity [veh/h]	677	2688	961	852		304	303	272
d1, Uniform Delay [s]	34.94	3.30	14.07	14.59		36.04	36.05	36.17
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	2.75	0.10	1.42	2.00		5.10	5.16	6.36
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.83	0.13	0.43	0.49		0.81	0.81	0.83
d, Delay for Lane Group [s/veh]	37.68	3.41	15.49	16.60		41.14	41.20	42.54
Lane Group LOS	D	A	B	B		D	D	D
Critical Lane Group	Yes	No	No	Yes		No	No	Yes
50th-Percentile Queue Length [veh/ln]	5.76	0.56	4.93	5.20		5.28	5.26	4.92
50th-Percentile Queue Length [ft/ln]	143.99	14.08	123.27	129.88		131.93	131.49	123.08
95th-Percentile Queue Length [veh/ln]	9.70	1.01	8.57	8.93		9.04	9.02	8.56
95th-Percentile Queue Length [ft/ln]	242.38	25.35	214.31	223.33		226.11	225.53	214.06

Movement, Approach, & Intersection Results

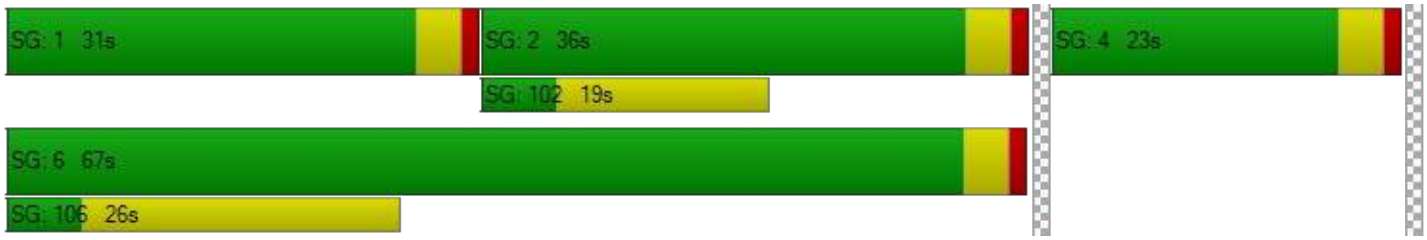
d_M, Delay for Movement [s/veh]	37.68	3.41	0.00	0.00	15.73	16.60	0.00	0.00	0.00	41.17	41.20	42.54
Movement LOS	D	A			B	B				D	D	D
d_A, Approach Delay [s/veh]	24.31			16.04			0.00			41.60		
Approach LOS	C			B			A			D		
d_I, Intersection Delay [s/veh]	26.53											
Intersection LOS	C											
Intersection V/C	0.547											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.140	2.330
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1400	711	0	422
d_b, Bicycle Delay [s]	4.05	18.69	45.00	28.01
l_b,int, Bicycle LOS Score for Intersection	2.321	2.247	4.132	2.741
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	20.1
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.553

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	794	445	279	683	0	124	2	543	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	794	445	279	683	0	124	2	543	0	0	0
Peak Hour Factor	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	210	118	74	180	0	33	1	143	0	0	0
Total Analysis Volume [veh/h]	0	839	470	295	722	0	131	2	574	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	37	0	14	51	0	0	39	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	49	49	9	63	19	19	19	
g / C, Green / Cycle	0.55	0.55	0.10	0.70	0.21	0.21	0.21	
(v / s)_i Volume / Saturation Flow Rate	0.23	0.29	0.08	0.20	0.07	0.18	0.18	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1617	1615	
c, Capacity [veh/h]	1980	884	369	2520	388	347	346	
d1, Uniform Delay [s]	12.01	13.01	39.35	5.17	29.94	33.80	33.80	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	0.67	2.29	4.03	0.29	0.51	5.17	5.18	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.42	0.53	0.80	0.29	0.34	0.83	0.83	
d, Delay for Lane Group [s/veh]	12.67	15.30	43.38	5.46	30.45	38.97	38.98	
Lane Group LOS	B	B	D	A	C	D	D	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	4.28	5.53	3.20	1.80	2.30	6.06	6.06	
50th-Percentile Queue Length [ft/ln]	106.96	138.31	79.97	44.95	57.41	151.58	151.48	
95th-Percentile Queue Length [veh/ln]	7.67	9.39	5.76	3.24	4.13	10.10	10.10	
95th-Percentile Queue Length [ft/ln]	191.77	234.74	143.95	80.91	103.34	252.54	252.40	

Movement, Approach, & Intersection Results

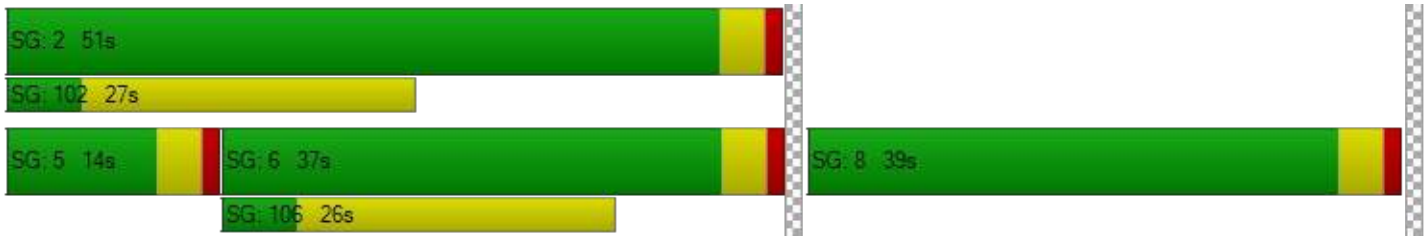
d_M, Delay for Movement [s/veh]	0.00	12.67	15.30	43.38	5.46	0.00	30.45	38.97	38.98	0.00	0.00	0.00
Movement LOS		B	B	D	A		C	D	D			
d_A, Approach Delay [s/veh]	13.62			16.46			37.40			0.00		
Approach LOS	B			B			D			A		
d_I, Intersection Delay [s/veh]	20.11											
Intersection LOS	C											
Intersection V/C	0.553											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.325	2.090
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	733	1044	778	0
d_b, Bicycle Delay [s]	18.05	10.27	16.81	45.00
l_b,int, Bicycle LOS Score for Intersection	2.640	2.399	2.726	4.132
Bicycle LOS	B	B	B	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	19.4
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.328

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	54	735	18	147	767	311	197	66	60	11	79	300
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	54	735	18	147	767	311	197	66	60	11	79	300
Peak Hour Factor	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	193	5	39	201	82	52	17	16	3	21	79
Total Analysis Volume [veh/h]	57	771	19	154	805	326	207	69	63	12	83	315
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	10	30	30	15	35	35	11	35	35	10	34	34
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	5	47	53	11	54	65	7	14	22	2	9	24
g / C, Green / Cycle	0.05	0.53	0.59	0.12	0.60	0.72	0.08	0.15	0.25	0.02	0.09	0.26
(v / s)_i Volume / Saturation Flow Rate	0.02	0.21	0.01	0.04	0.22	0.20	0.06	0.02	0.04	0.00	0.02	0.20
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	180	1908	954	430	2165	1164	273	557	403	66	343	422
d1, Uniform Delay [s]	41.18	12.78	7.63	36.26	9.34	4.40	40.67	32.84	26.38	43.47	37.73	30.48
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.15
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.00	0.64	0.04	0.51	0.49	0.60	4.27	0.10	0.18	1.30	0.36	3.54
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.32	0.40	0.02	0.36	0.37	0.28	0.76	0.12	0.16	0.18	0.24	0.75
d, Delay for Lane Group [s/veh]	42.19	13.42	7.67	36.77	9.83	5.00	44.94	32.94	26.56	44.77	38.09	34.02
Lane Group LOS	D	B	A	D	A	A	D	C	C	D	D	C
Critical Lane Group	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.60	4.10	0.13	1.49	3.38	1.49	2.28	0.62	1.00	0.14	0.82	6.16
50th-Percentile Queue Length [ft/ln]	15.06	102.49	3.36	37.30	84.44	37.36	57.02	15.44	25.02	3.42	20.43	153.90
95th-Percentile Queue Length [veh/ln]	1.08	7.38	0.24	2.69	6.08	2.69	4.11	1.11	1.80	0.25	1.47	10.23
95th-Percentile Queue Length [ft/ln]	27.11	184.48	6.05	67.13	152.00	67.26	102.63	27.79	45.03	6.16	36.78	255.63

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.19	13.42	7.67	36.77	9.83	5.00	44.94	32.94	26.56	44.77	38.09	34.02
Movement LOS	D	B	A	D	A	A	D	C	C	D	D	C
d_A, Approach Delay [s/veh]	15.22			11.83			39.08			35.16		
Approach LOS	B			B			D			D		
d_I, Intersection Delay [s/veh]	19.36											
Intersection LOS	B											
Intersection V/C	0.328											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.996	3.194	2.782	2.747
Crosswalk LOS	C	C	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	578	689	689	667
d_b, Bicycle Delay [s]	22.76	19.34	19.34	20.00
l_b,int, Bicycle LOS Score for Intersection	2.258	2.620	1.839	1.898
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	46.3
Analysis Method:	HCM 6th Edition	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.022

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	164	1	29	157	26	0	1	0	1	1	27
Total Analysis Volume [veh/h]	4	654	5	116	626	104	0	3	0	3	2	110
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.12	0.01	0.00	0.00	0.03	0.00	0.02	0.02	0.16
d_M, Delay for Movement [s/veh]	9.09	0.00	0.00	9.38	0.00	0.00	42.85	43.49	11.84	34.81	46.34	11.72
Movement LOS	A	A	A	A	A	A	E	E	B	D	E	B
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.42	0.00	0.00	0.10	0.10	0.10	0.07	0.68	0.68
95th-Percentile Queue Length [ft/ln]	0.34	0.00	0.00	10.53	0.00	0.00	2.39	2.39	2.39	1.85	16.94	16.94
d_A, Approach Delay [s/veh]	0.05			1.29			43.49			12.92		
Approach LOS	A			A			E			B		
d_I, Intersection Delay [s/veh]	1.68											
Intersection LOS	E											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.416

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	153	533	57	47	509	43	103	292	125	88	361	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	153	533	57	47	509	43	103	292	125	88	361	35
Peak Hour Factor	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	45	156	17	14	149	13	30	85	37	26	106	10
Total Analysis Volume [veh/h]	179	623	67	55	595	50	120	342	146	103	422	41
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	35	0	13	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	20	20	5	18	18	7	43	43	7	43	43
g / C, Green / Cycle	0.07	0.22	0.22	0.05	0.20	0.20	0.08	0.48	0.48	0.07	0.48	0.48
(v / s)_i Volume / Saturation Flow Rate	0.05	0.18	0.18	0.02	0.17	0.17	0.07	0.13	0.14	0.06	0.12	0.12
s, saturation flow rate [veh/h]	3514	1900	1836	3514	1900	1849	1810	1900	1711	1810	1900	1842
c, Capacity [veh/h]	234	417	402	177	385	375	141	911	820	132	902	875
d1, Uniform Delay [s]	41.30	33.65	33.65	41.23	34.53	34.54	40.99	14.08	14.11	40.99	14.16	14.17
k, delay calibration	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.13	5.29	5.48	0.99	5.20	5.40	13.31	0.77	0.87	9.39	0.70	0.73
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.76	0.84	0.84	0.31	0.85	0.85	0.85	0.28	0.28	0.78	0.26	0.26
d, Delay for Lane Group [s/veh]	46.43	38.94	39.13	42.22	39.72	39.94	54.30	14.85	14.98	50.37	14.85	14.89
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.01	7.38	7.16	0.58	6.93	6.78	3.00	2.90	2.68	2.46	2.67	2.61
50th-Percentile Queue Length [ft/ln]	50.24	184.60	178.99	14.54	173.15	169.40	74.91	72.58	66.93	61.57	66.70	65.19
95th-Percentile Queue Length [veh/ln]	3.62	11.84	11.55	1.05	11.24	11.04	5.39	5.23	4.82	4.43	4.80	4.69
95th-Percentile Queue Length [ft/ln]	90.43	296.01	288.70	26.18	281.05	276.12	134.83	130.64	120.48	110.82	120.05	117.34

Movement, Approach, & Intersection Results

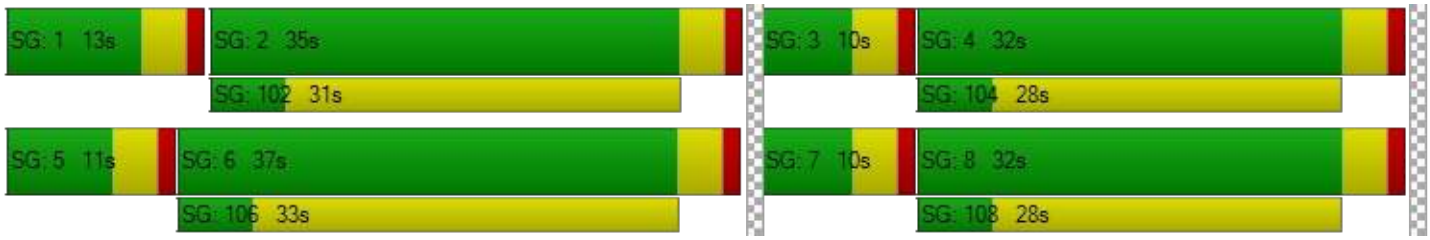
d_M, Delay for Movement [s/veh]	46.43	39.02	39.13	42.22	39.82	39.94	54.30	14.88	14.98	50.37	14.87	14.89
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	40.56			40.02			22.69			21.33		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	32.49											
Intersection LOS	C											
Intersection V/C	0.416											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.918	2.856	2.711	2.636
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	689	733
d_b, Bicycle Delay [s]	21.36	21.36	19.34	18.05
l_b,int, Bicycle LOS Score for Intersection	2.277	2.137	2.061	2.027
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	15.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.183

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	72	15	37	363	440	89
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	72	15	37	363	440	89
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	4	10	99	120	24
Total Analysis Volume [veh/h]	78	16	40	395	478	97
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.18	0.02	0.04	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	15.46	12.05	8.72	0.00	0.00	0.00
Movement LOS	C	B	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.76	0.76	0.12	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	19.05	19.05	3.10	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	14.88		0.80		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	1.58					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.386

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	63	305	127	94	426	81	65	254	82	136	334	103
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	305	127	94	426	81	65	254	82	136	334	103
Peak Hour Factor	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	86	36	27	121	23	18	72	23	39	95	29
Total Analysis Volume [veh/h]	71	345	144	106	482	92	74	288	93	154	378	117
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	34	0	11	35	0	14	31	0	14	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	15	15	7	17	17	5	43	43	9	47	47
g / C, Green / Cycle	0.06	0.17	0.17	0.07	0.19	0.19	0.06	0.48	0.48	0.10	0.52	0.52
(v / s)_i Volume / Saturation Flow Rate	0.04	0.13	0.14	0.06	0.15	0.16	0.04	0.10	0.11	0.09	0.14	0.14
s, saturation flow rate [veh/h]	1810	1900	1714	1810	1900	1796	1810	1900	1745	1810	1900	1749
c, Capacity [veh/h]	101	319	288	134	355	335	103	905	831	187	994	914
d1, Uniform Delay [s]	41.78	35.98	36.08	40.97	35.22	35.26	41.72	13.76	13.80	39.52	11.84	11.86
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.73	4.60	5.51	9.82	5.02	5.43	8.92	0.55	0.62	8.62	0.63	0.69
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.71	0.80	0.81	0.79	0.83	0.83	0.72	0.22	0.22	0.82	0.26	0.26
d, Delay for Lane Group [s/veh]	50.51	40.57	41.58	50.79	40.24	40.69	50.64	14.31	14.42	48.14	12.47	12.55
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.74	5.55	5.18	2.60	6.42	6.14	1.78	2.17	2.06	3.58	2.58	2.41
50th-Percentile Queue Length [ft/ln]	43.55	138.81	129.45	64.92	160.47	153.45	44.57	54.29	51.48	89.57	64.52	60.34
95th-Percentile Queue Length [veh/ln]	3.14	9.42	8.91	4.67	10.57	10.20	3.21	3.91	3.71	6.45	4.65	4.34
95th-Percentile Queue Length [ft/ln]	78.40	235.42	222.75	116.85	264.34	255.03	80.22	97.72	92.67	161.23	116.13	108.61

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	50.51	40.84	41.58	50.79	40.42	40.69	50.64	14.34	14.42	48.14	12.50	12.55
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.25			42.07			20.26			20.96		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	32.04											
Intersection LOS	C											
Intersection V/C	0.386											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.637	2.618	2.625	2.687
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	689	600	600
d_b, Bicycle Delay [s]	20.00	19.34	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.022	2.121	1.935	2.095
Bicycle LOS	B	B	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rialto Olive Avenue Development

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Report File: \..._1 EX PM.pdf

Scenario 1 EX PM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	WB Left	0.628	24.9	C
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	0.612	24.9	C
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	WB Left	0.476	30.0	C
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.551	31.9	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Left	0.560	27.6	C
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	SB Left	0.696	21.7	C
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	SB Left	0.569	23.4	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.016	64.7	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.421	33.3	C
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.317	19.0	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.426	28.5	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	24.9
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.628

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Peak Hour Factor	0.9640	0.9640	1.0000	1.0000	0.9640	0.9640	1.0000	1.0000	1.0000	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	112	112	0	0	84	96	0	0	0	64	1	34
Total Analysis Volume [veh/h]	449	449	0	0	337	384	0	0	0	257	5	138
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	47	70	0	0	23	0	0	0	0	0	20	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	25	67	39	39		15	15
g / C, Green / Cycle	0.27	0.75	0.43	0.43		0.16	0.16
(v / s)_i Volume / Saturation Flow Rate	0.25	0.12	0.18	0.24		0.14	0.09
s, saturation flow rate [veh/h]	1810	3618	1900	1615		1810	1624
c, Capacity [veh/h]	496	2706	816	693		295	265
d1, Uniform Delay [s]	31.52	3.26	17.82	19.23		36.74	34.56
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	6.46	0.13	1.54	3.17		7.83	1.71
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	0.90	0.17	0.41	0.55		0.87	0.54
d, Delay for Lane Group [s/veh]	37.98	3.39	19.36	22.40		44.57	36.27
Lane Group LOS	D	A	B	C		D	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	9.47	0.69	4.63	5.88		5.77	2.81
50th-Percentile Queue Length [ft/ln]	236.70	17.28	115.85	146.99		144.36	70.31
95th-Percentile Queue Length [veh/ln]	14.51	1.24	8.16	9.86		9.72	5.06
95th-Percentile Queue Length [ft/ln]	362.86	31.11	204.11	246.40		242.88	126.56

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	37.98	3.39	0.00	0.00	19.36	22.40	0.00	0.00	0.00	44.57	36.27	36.27
Movement LOS	D	A			B	C				D	D	D
d_A, Approach Delay [s/veh]	20.68			20.98			0.00			41.61		
Approach LOS	C			C			A			D		
d_I, Intersection Delay [s/veh]	24.94											
Intersection LOS	C											
Intersection V/C	0.628											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.242	2.041
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1467	422	0	356
d_b, Bicycle Delay [s]	3.20	28.01	45.00	30.42
l_b,int, Bicycle LOS Score for Intersection	2.300	2.154	4.132	2.220
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	24.9
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.612

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Peak Hour Factor	1.0000	0.9820	0.9820	0.9820	0.9820	1.0000	0.9820	0.9820	0.9820	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	141	80	52	90	0	79	2	94	0	0	0
Total Analysis Volume [veh/h]	0	562	321	210	359	0	316	8	378	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	24	0	21	45	0	0	45	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	42	42	12	58	24	24	
g / C, Green / Cycle	0.46	0.46	0.14	0.64	0.27	0.27	
(v / s)_i Volume / Saturation Flow Rate	0.23	0.26	0.12	0.10	0.18	0.23	
s, saturation flow rate [veh/h]	1900	1684	1810	3618	1812	1615	
c, Capacity [veh/h]	878	778	249	2330	484	431	
d1, Uniform Delay [s]	16.97	17.66	37.85	6.33	29.45	31.57	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	2.06	2.99	7.54	0.14	1.61	5.80	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.50	0.57	0.84	0.15	0.67	0.88	
d, Delay for Lane Group [s/veh]	19.03	20.65	45.38	6.47	31.06	37.37	
Lane Group LOS	B	C	D	A	C	D	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	6.04	6.41	4.74	1.06	5.96	7.88	
50th-Percentile Queue Length [ft/ln]	151.03	160.25	118.62	26.49	148.93	196.88	
95th-Percentile Queue Length [veh/ln]	10.07	10.56	8.32	1.91	9.96	12.48	
95th-Percentile Queue Length [ft/ln]	251.80	264.05	207.92	47.67	249.00	311.93	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	19.38	20.65	45.38	6.47	0.00	31.06	31.06	37.37	0.00	0.00	0.00
Movement LOS		B	C	D	A		C	C	D			
d_A, Approach Delay [s/veh]	19.84			20.83			34.46			0.00		
Approach LOS	B			C			C			A		
d_I, Intersection Delay [s/veh]	24.87											
Intersection LOS	C											
Intersection V/C	0.612											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.287	1.950
Crosswalk LOS	F	F	B	A
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	444	911	911	0
d_b, Bicycle Delay [s]	27.22	13.34	13.34	45.00
l_b,int, Bicycle LOS Score for Intersection	2.288	2.029	2.718	4.132
Bicycle LOS	B	B	B	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	30.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.476

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Peak Hour Factor	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	164	18	56	135	1	7	1	2	14	2	58
Total Analysis Volume [veh/h]	0	655	71	224	539	5	27	5	7	54	7	230
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	24	0	28	42	0	10	24	0	14	28	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	102	102	102	102	102	102	102	102	102	102	102	102
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	0	39	39	15	54	54	3	15	15	5	17	17
g / C, Green / Cycle	0.00	0.39	0.39	0.14	0.53	0.53	0.03	0.15	0.15	0.05	0.16	0.16
(v / s)_i Volume / Saturation Flow Rate	0.00	0.19	0.19	0.12	0.14	0.14	0.01	0.00	0.00	0.03	0.00	0.14
s, saturation flow rate [veh/h]	1810	1900	1836	1810	1900	1894	1810	1900	1615	1810	1900	1615
c, Capacity [veh/h]	2	732	708	261	1005	1001	58	283	240	85	311	265
d1, Uniform Delay [s]	0.00	23.90	23.91	42.63	13.22	13.22	48.52	37.04	37.10	47.75	35.78	41.57
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.00	2.47	2.56	8.03	0.67	0.67	5.79	0.02	0.05	7.66	0.03	8.51
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.00	0.50	0.50	0.86	0.27	0.27	0.47	0.02	0.03	0.64	0.02	0.87
d, Delay for Lane Group [s/veh]	0.00	26.36	26.47	50.66	13.89	13.89	54.32	37.07	37.15	55.41	35.81	50.08
Lane Group LOS	A	C	C	D	B	B	D	D	D	E	D	D
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.00	6.73	6.53	5.81	3.22	3.21	0.75	0.10	0.15	1.49	0.14	6.02
50th-Percentile Queue Length [ft/ln]	0.00	168.13	163.31	145.33	80.44	80.20	18.68	2.62	3.69	37.15	3.60	150.61
95th-Percentile Queue Length [veh/ln]	0.00	10.98	10.72	9.77	5.79	5.77	1.34	0.19	0.27	2.67	0.26	10.05
95th-Percentile Queue Length [ft/ln]	0.00	274.45	268.11	244.19	144.78	144.37	33.62	4.72	6.65	66.86	6.48	251.24

Movement, Approach, & Intersection Results

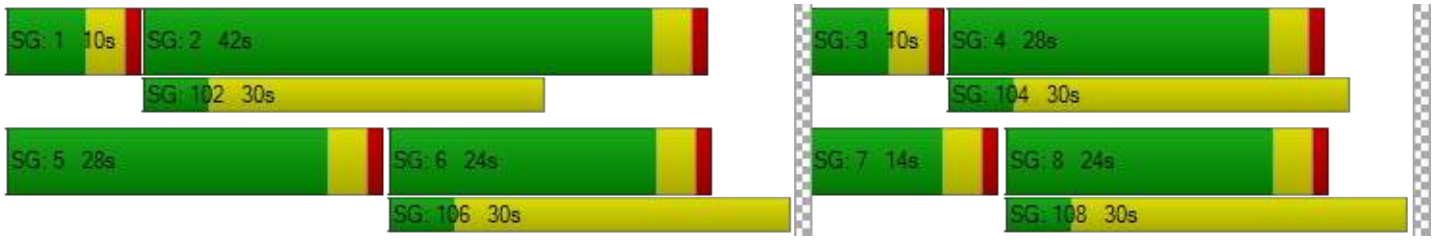
d_M, Delay for Movement [s/veh]	0.00	26.41	26.47	50.66	13.89	13.89	54.32	37.07	37.15	55.41	35.81	50.08
Movement LOS	A	C	C	D	B	B	D	D	D	E	D	D
d_A, Approach Delay [s/veh]	26.42			24.61			49.02			50.73		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	30.02											
Intersection LOS	C											
Intersection V/C	0.476											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	42.40	42.40	42.40	42.40
l_p,int, Pedestrian LOS Score for Intersection	2.738	2.853	2.322	2.480
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	392	745	392	471
d_b, Bicycle Delay [s]	32.96	20.08	32.96	29.82
l_b,int, Bicycle LOS Score for Intersection	2.159	2.193	1.592	1.800
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	31.9
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.551

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	327	39	75	285	123	103	477	48	37	339	46
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	327	39	75	285	123	103	477	48	37	339	46
Peak Hour Factor	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	84	10	19	73	31	26	122	12	9	87	12
Total Analysis Volume [veh/h]	39	334	40	77	291	126	105	488	49	38	347	47
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	31	0	13	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	37	5	39	49	7	28	4	25	34
g / C, Green / Cycle	0.04	0.41	0.06	0.43	0.55	0.07	0.31	0.04	0.28	0.38
(v / s)_i Volume / Saturation Flow Rate	0.02	0.20	0.04	0.15	0.08	0.06	0.29	0.02	0.18	0.03
s, saturation flow rate [veh/h]	1810	1865	1810	1900	1615	1810	1870	1810	1900	1615
c, Capacity [veh/h]	77	769	105	814	884	135	580	75	527	614
d1, Uniform Delay [s]	42.18	19.44	41.68	17.37	10.01	40.93	30.06	42.21	28.76	17.82
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.28	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.16	2.20	9.27	1.23	0.34	9.35	14.90	5.12	1.41	0.05
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.51	0.49	0.73	0.36	0.14	0.78	0.93	0.50	0.66	0.08
d, Delay for Lane Group [s/veh]	47.34	21.64	50.95	18.60	10.35	50.28	44.96	47.33	30.17	17.87
Lane Group LOS	D	C	D	B	B	D	D	D	C	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.91	5.56	1.86	3.88	1.11	2.51	12.54	0.89	6.27	0.58
50th-Percentile Queue Length [ft/ln]	22.83	138.89	46.53	96.96	27.75	62.67	313.47	22.26	156.75	14.42
95th-Percentile Queue Length [veh/ln]	1.64	9.42	3.35	6.98	2.00	4.51	18.35	1.60	10.38	1.04
95th-Percentile Queue Length [ft/ln]	41.09	235.53	83.75	174.53	49.95	112.81	458.65	40.06	259.41	25.96

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.34	21.64	21.64	50.95	18.60	10.35	50.28	44.96	44.96	47.33	30.17	17.87
Movement LOS	D	C	C	D	B	B	D	D	D	D	C	B
d_A, Approach Delay [s/veh]	24.07			21.54			45.83			30.34		
Approach LOS	C			C			D			C		
d_I, Intersection Delay [s/veh]	31.86											
Intersection LOS	C											
Intersection V/C	0.551											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.370	2.620	2.567	2.638
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	600	667	711	667
d_b, Bicycle Delay [s]	22.05	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.241	2.375	2.619	2.272
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	27.6
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.560

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	546	415	0	0	502	204	0	0	0	649	6	280
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	546	415	0	0	502	204	0	0	0	649	6	280
Peak Hour Factor	0.9660	0.9660	1.0000	1.0000	0.9660	0.9660	1.0000	1.0000	1.0000	0.9660	0.9660	0.9660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	141	107	0	0	130	53	0	0	0	168	2	72
Total Analysis Volume [veh/h]	565	430	0	0	520	211	0	0	0	672	6	290
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	27	56	0	0	29	0	0	0	0	0	34	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	17	62	41	41		20	20	20
g / C, Green / Cycle	0.19	0.69	0.45	0.45		0.22	0.22	0.22
(v / s)_i Volume / Saturation Flow Rate	0.16	0.12	0.19	0.21		0.19	0.19	0.18
s, saturation flow rate [veh/h]	3514	3618	1900	1724		1810	1811	1615
c, Capacity [veh/h]	668	2480	857	778		408	408	364
d1, Uniform Delay [s]	35.17	5.05	16.79	17.21		33.22	33.21	32.90
k, delay calibration	0.11	0.50	0.50	0.50		0.13	0.13	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	3.05	0.15	1.55	2.04		5.23	5.19	4.14
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.85	0.17	0.43	0.47		0.83	0.83	0.80
d, Delay for Lane Group [s/veh]	38.22	5.20	18.35	19.25		38.45	38.40	37.04
Lane Group LOS	D	A	B	B		D	D	D
Critical Lane Group	Yes	No	No	Yes		Yes	No	No
50th-Percentile Queue Length [veh/ln]	5.83	1.04	4.85	5.03		7.09	7.09	5.93
50th-Percentile Queue Length [ft/ln]	145.63	26.03	121.31	125.85		177.36	177.23	148.19
95th-Percentile Queue Length [veh/ln]	9.78	1.87	8.47	8.71		11.46	11.46	9.92
95th-Percentile Queue Length [ft/ln]	244.59	46.85	211.63	217.84		286.56	286.39	248.01

Movement, Approach, & Intersection Results

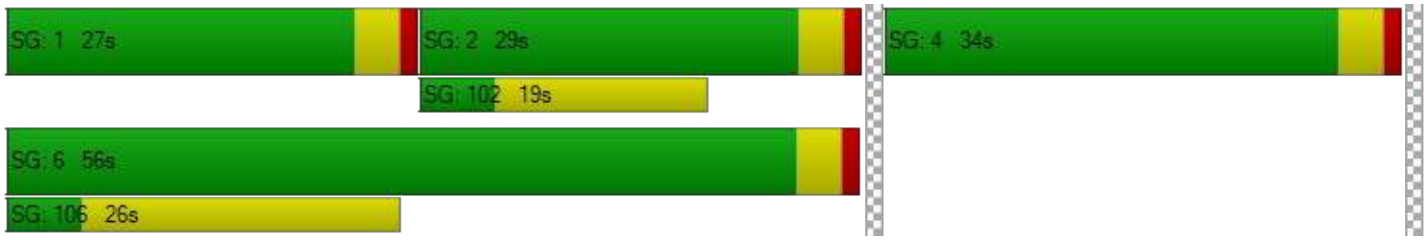
d_M, Delay for Movement [s/veh]	38.22	5.20	0.00	0.00	18.61	19.25	0.00	0.00	0.00	38.43	38.40	37.04
Movement LOS	D	A			B	B				D	D	D
d_A, Approach Delay [s/veh]	23.95			18.80			0.00			38.01		
Approach LOS	C			B			A			D		
d_I, Intersection Delay [s/veh]	27.60											
Intersection LOS	C											
Intersection V/C	0.560											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.098	2.466
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1156	556	0	667
d_b, Bicycle Delay [s]	8.02	23.47	45.00	20.00
l_b,int, Bicycle LOS Score for Intersection	2.380	2.163	4.132	3.157
Bicycle LOS	B	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	21.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.696

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	719	660	250	824	0	226	1	574	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	719	660	250	824	0	226	1	574	0	0	0
Peak Hour Factor	1.0000	0.9450	0.9450	0.9450	0.9450	1.0000	0.9450	0.9450	0.9450	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	190	175	66	218	0	60	0	152	0	0	0
Total Analysis Volume [veh/h]	0	761	698	265	872	0	239	1	607	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	47	0	13	60	0	0	30	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	49	49	9	62	20	20	20	
g / C, Green / Cycle	0.55	0.55	0.10	0.69	0.22	0.22	0.22	
(v / s)_i Volume / Saturation Flow Rate	0.21	0.43	0.08	0.24	0.13	0.19	0.19	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1616	1615	
c, Capacity [veh/h]	1982	885	339	2491	403	359	359	
d1, Uniform Delay [s]	11.65	16.20	39.75	5.75	31.35	33.51	33.52	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.13	0.13	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	0.56	7.07	3.98	0.39	1.40	6.58	6.59	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.38	0.79	0.78	0.35	0.59	0.85	0.85	
d, Delay for Lane Group [s/veh]	12.21	23.27	43.72	6.14	32.75	40.09	40.11	
Lane Group LOS	B	C	D	A	C	D	D	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	3.76	10.94	2.88	2.41	4.47	6.53	6.53	
50th-Percentile Queue Length [ft/ln]	94.02	273.40	72.04	60.31	111.81	163.14	163.15	
95th-Percentile Queue Length [veh/ln]	6.77	16.36	5.19	4.34	7.94	10.72	10.72	
95th-Percentile Queue Length [ft/ln]	169.24	408.98	129.67	108.55	198.51	267.88	267.89	

Movement, Approach, & Intersection Results

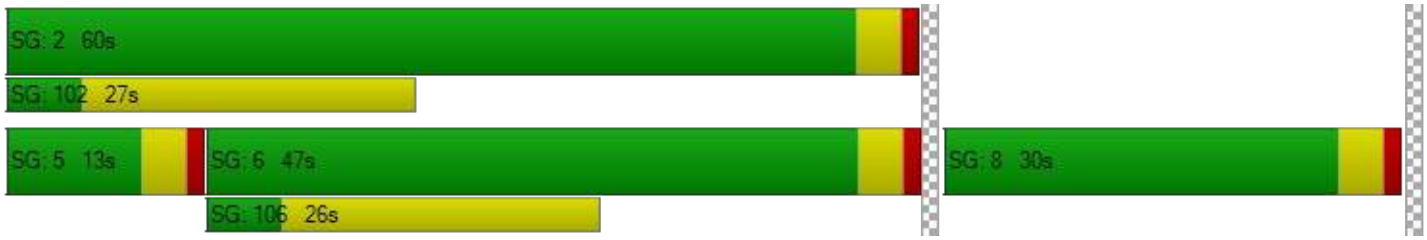
d_M, Delay for Movement [s/veh]	0.00	12.21	23.27	43.72	6.14	0.00	32.75	40.09	40.10	0.00	0.00	0.00
Movement LOS		B	C	D	A		C	D	D			
d_A, Approach Delay [s/veh]	17.50			14.90			38.03			0.00		
Approach LOS	B			B			D			A		
d_I, Intersection Delay [s/veh]	21.69											
Intersection LOS	C											
Intersection V/C	0.696											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.400	2.186
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	956	1244	578	0
d_b, Bicycle Delay [s]	12.27	6.42	22.76	45.00
l_b,int, Bicycle LOS Score for Intersection	2.763	2.498	2.957	4.132
Bicycle LOS	C	B	C	D

Sequence

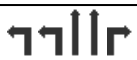
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	23.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.569

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	115	678	41	245	591	565	471	181	124	37	151	226
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	115	678	41	245	591	565	471	181	124	37	151	226
Peak Hour Factor	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	171	10	62	149	142	119	46	31	9	38	57
Total Analysis Volume [veh/h]	116	683	41	247	596	570	475	182	125	37	152	228
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	10	29	29	12	31	31	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	6	44	51	8	46	65	16	19	29	4	7	19
g / C, Green / Cycle	0.07	0.49	0.57	0.09	0.51	0.73	0.17	0.21	0.32	0.04	0.07	0.21
(v / s)_i Volume / Saturation Flow Rate	0.03	0.19	0.03	0.07	0.16	0.35	0.14	0.05	0.08	0.01	0.04	0.14
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	234	1757	921	312	1838	1175	615	750	514	142	263	333
d1, Uniform Delay [s]	40.54	14.67	8.52	40.18	13.04	5.17	35.43	29.78	22.66	41.88	40.39	33.03
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.62	0.65	0.09	4.49	0.47	1.44	2.11	0.17	0.24	0.97	2.00	2.50
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.50	0.39	0.04	0.79	0.32	0.49	0.77	0.24	0.24	0.26	0.58	0.69
d, Delay for Lane Group [s/veh]	42.16	15.32	8.61	44.67	13.51	6.61	37.54	29.95	22.91	42.85	42.40	35.53
Lane Group LOS	D	B	A	D	B	A	D	C	C	D	D	D
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.22	3.97	0.31	2.72	3.15	3.13	4.81	1.55	1.83	0.40	1.61	4.50
50th-Percentile Queue Length [ft/ln]	30.62	99.16	7.87	67.92	78.72	78.16	120.16	38.86	45.80	9.92	40.30	112.39
95th-Percentile Queue Length [veh/ln]	2.20	7.14	0.57	4.89	5.67	5.63	8.40	2.80	3.30	0.71	2.90	7.97
95th-Percentile Queue Length [ft/ln]	55.11	178.50	14.16	122.25	141.70	140.68	210.04	69.95	82.44	17.85	72.54	199.32

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.16	15.32	8.61	44.67	13.51	6.61	37.54	29.95	22.91	42.85	42.40	35.53
Movement LOS	D	B	A	D	B	A	D	C	C	D	D	D
d_A, Approach Delay [s/veh]	18.70			16.17			33.43			38.68		
Approach LOS	B			B			C			D		
d_I, Intersection Delay [s/veh]	23.42											
Intersection LOS	C											
Intersection V/C	0.569											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.966	3.245	2.971	2.801
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	600	778	556
d_b, Bicycle Delay [s]	23.47	22.05	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.253	2.725	2.205	1.904
Bicycle LOS	B	B	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	64.7
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.016

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Peak Hour Factor	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	199	2	38	181	1	1	0	1	2	0	36
Total Analysis Volume [veh/h]	4	794	6	151	726	2	2	0	5	6	1	144
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.18	0.01	0.00	0.03	0.00	0.01	0.08	0.02	0.24
d_M, Delay for Movement [s/veh]	9.09	0.00	0.00	10.29	0.00	0.00	63.88	63.56	11.50	55.72	64.67	13.08
Movement LOS	A	A	A	B	A	A	F	F	B	F	F	B
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.66	0.00	0.00	0.12	0.12	0.12	0.25	1.00	1.00
95th-Percentile Queue Length [ft/ln]	0.34	0.00	0.00	16.51	0.00	0.00	3.11	3.11	3.11	6.17	25.05	25.05
d_A, Approach Delay [s/veh]	0.05			1.77			26.46			15.11		
Approach LOS	A			A			D			C		
d_I, Intersection Delay [s/veh]	2.20											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	33.3
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.421

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	129	593	106	76	530	77	139	392	151	86	351	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	129	593	106	76	530	77	139	392	151	86	351	55
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	33	153	27	20	137	20	36	101	39	22	90	14
Total Analysis Volume [veh/h]	133	611	109	78	546	79	143	404	156	89	362	57
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	35	0	13	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	20	20	5	20	20	7	43	43	6	42	42
g / C, Green / Cycle	0.06	0.22	0.22	0.06	0.22	0.22	0.08	0.48	0.48	0.06	0.46	0.46
(v / s)_i Volume / Saturation Flow Rate	0.04	0.19	0.19	0.02	0.17	0.17	0.08	0.15	0.16	0.05	0.11	0.11
s, saturation flow rate [veh/h]	3514	1900	1801	3514	1900	1817	1810	1900	1723	1810	1900	1811
c, Capacity [veh/h]	226	428	406	202	415	397	141	903	819	116	877	836
d1, Uniform Delay [s]	40.95	33.53	33.53	40.88	33.03	33.05	41.50	14.65	14.67	41.44	14.69	14.71
k, delay calibration	0.11	0.14	0.15	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.43	6.90	7.30	1.21	3.02	3.20	39.34	0.95	1.06	9.98	0.66	0.70
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.59	0.86	0.86	0.39	0.77	0.77	1.02	0.32	0.33	0.77	0.24	0.25
d, Delay for Lane Group [s/veh]	43.37	40.43	40.83	42.09	36.05	36.25	80.84	15.60	15.73	51.42	15.35	15.41
Lane Group LOS	D	D	D	D	D	D	F	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.43	7.97	7.61	0.82	6.39	6.15	4.48	3.46	3.18	2.16	2.48	2.40
50th-Percentile Queue Length [ft/ln]	35.77	199.23	190.14	20.56	159.72	153.83	111.94	86.44	79.61	53.95	62.01	60.03
95th-Percentile Queue Length [veh/ln]	2.58	12.60	12.13	1.48	10.53	10.22	7.99	6.22	5.73	3.88	4.46	4.32
95th-Percentile Queue Length [ft/ln]	64.39	314.97	303.21	37.01	263.35	255.54	199.73	155.58	143.30	97.11	111.62	108.06

Movement, Approach, & Intersection Results

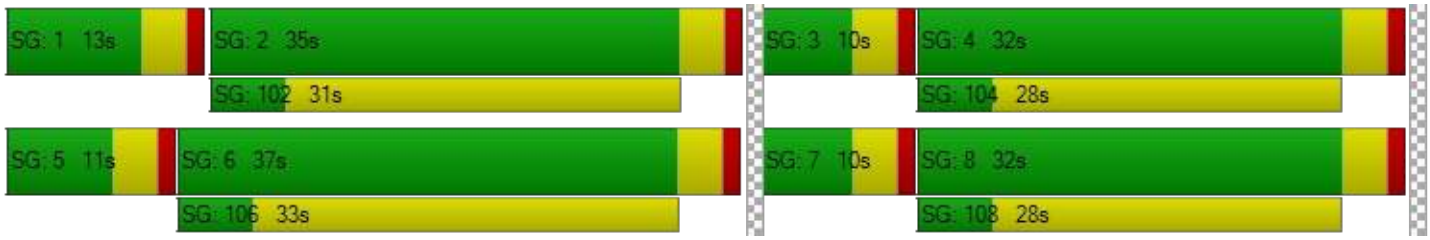
d_M, Delay for Movement [s/veh]	43.37	40.59	40.83	42.09	36.14	36.25	80.84	15.64	15.73	51.42	15.38	15.41
Movement LOS	D	D	D	D	D	D	F	B	B	D	B	B
d_A, Approach Delay [s/veh]	41.05			36.81			28.92			21.69		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	33.34											
Intersection LOS	C											
Intersection V/C	0.421											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.900	2.864	2.716	2.659
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	689	733
d_b, Bicycle Delay [s]	21.36	21.36	19.34	18.05
l_b,int, Bicycle LOS Score for Intersection	2.263	2.140	2.140	1.979
Bicycle LOS	B	B	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	19.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.317

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

Volumes

Name						
Base Volume Input [veh/h]	120	49	30	561	459	114
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	120	49	30	561	459	114
Peak Hour Factor	0.9520	0.9520	0.9520	0.9520	0.9520	0.9520
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	13	8	147	121	30
Total Analysis Volume [veh/h]	126	51	32	589	482	120
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.32	0.07	0.03	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	19.03	15.11	8.78	0.00	0.00	0.00
Movement LOS	C	C	A	A	A	A
95th-Percentile Queue Length [veh/ln]	1.82	1.82	0.10	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	45.52	45.52	2.52	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	17.90		0.45		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	2.46					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	28.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.426

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	92	378	90	89	247	53	68	505	81	102	399	76
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	92	378	90	89	247	53	68	505	81	102	399	76
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	103	24	24	67	14	18	137	22	28	108	21
Total Analysis Volume [veh/h]	100	411	98	97	268	58	74	549	88	111	434	83
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	14	38	0	10	34	0	11	31	0	11	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	15	15	6	15	15	5	46	46	7	48	48
g / C, Green / Cycle	0.07	0.17	0.17	0.07	0.17	0.17	0.06	0.51	0.51	0.08	0.53	0.53
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.14	0.05	0.09	0.09	0.04	0.17	0.17	0.06	0.14	0.14
s, saturation flow rate [veh/h]	1810	1900	1776	1810	1900	1785	1810	1900	1810	1810	1900	1796
c, Capacity [veh/h]	129	323	302	121	314	295	102	965	920	140	1005	950
d1, Uniform Delay [s]	41.09	35.96	36.01	41.42	34.35	34.41	41.76	13.14	13.15	40.81	11.60	11.61
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	9.56	4.88	5.44	11.68	1.38	1.53	9.26	0.95	1.00	9.63	0.64	0.68
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.78	0.81	0.82	0.80	0.53	0.54	0.72	0.34	0.34	0.79	0.26	0.27
d, Delay for Lane Group [s/veh]	50.65	40.84	41.45	53.10	35.73	35.95	51.03	14.08	14.15	50.44	12.24	12.30
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.45	5.73	5.46	2.44	3.32	3.20	1.79	3.59	3.45	2.65	2.63	2.52
50th-Percentile Queue Length [ft/ln]	61.18	143.33	136.45	61.02	83.01	79.94	44.77	89.74	86.14	66.34	65.73	62.88
95th-Percentile Queue Length [veh/ln]	4.41	9.66	9.29	4.39	5.98	5.76	3.22	6.46	6.20	4.78	4.73	4.53
95th-Percentile Queue Length [ft/ln]	110.13	241.50	232.24	109.84	149.42	143.89	80.58	161.54	155.06	119.42	118.31	113.18

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	50.65	41.06	41.45	53.10	35.81	35.95	51.03	14.11	14.15	50.44	12.26	12.30
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.70			39.80			17.96			19.01		
Approach LOS	D			D			B			B		
d_I, Intersection Delay [s/veh]	28.49											
Intersection LOS	C											
Intersection V/C	0.426											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.581	2.559	2.725	2.747
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	667	600	600
d_b, Bicycle Delay [s]	17.42	20.00	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.062	1.909	2.146	2.078
Bicycle LOS	B	A	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rialto Olive Avenue Development

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Scenario 2 OY 2020 AM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	NB Left	0.625	24.7	C
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	0.580	25.9	C
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.358	25.7	C
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.349	29.0	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Right	0.558	26.7	C
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	SB Left	0.565	20.3	C
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.336	19.5	B
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.023	48.5	E
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.425	32.8	C
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.188	15.7	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.392	32.2	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	24.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.625

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	273	405	0	0	232	439	0	0	0	250	2	259
Peak Hour Factor	0.9340	0.9340	1.0000	1.0000	0.9340	0.9340	1.0000	1.0000	1.0000	0.9340	0.9340	0.9340
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	73	108	0	0	62	118	0	0	0	67	1	69
Total Analysis Volume [veh/h]	292	434	0	0	248	470	0	0	0	268	2	277
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	30	63	0	0	33	0	0	0	0	0	27	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	17	64	43	43		18	18
g / C, Green / Cycle	0.18	0.71	0.48	0.48		0.20	0.20
(v / s)_i Volume / Saturation Flow Rate	0.16	0.12	0.13	0.29		0.15	0.17
s, saturation flow rate [veh/h]	1810	3618	1900	1615		1810	1617
c, Capacity [veh/h]	336	2576	916	778		360	322
d1, Uniform Delay [s]	35.60	4.24	13.89	17.03		33.88	34.88
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	6.92	0.14	0.73	3.46		3.05	7.02
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	0.87	0.17	0.27	0.60		0.74	0.87
d, Delay for Lane Group [s/veh]	42.52	4.38	14.62	20.49		36.93	41.90
Lane Group LOS	D	A	B	C		D	D
Critical Lane Group	Yes	No	No	Yes		No	Yes
50th-Percentile Queue Length [veh/ln]	6.42	0.89	2.79	6.80		5.41	6.10
50th-Percentile Queue Length [ft/ln]	160.52	22.22	69.75	170.02		135.34	152.57
95th-Percentile Queue Length [veh/ln]	10.58	1.60	5.02	11.08		9.23	10.15
95th-Percentile Queue Length [ft/ln]	264.41	40.00	125.54	276.94		230.73	253.85

Movement, Approach, & Intersection Results

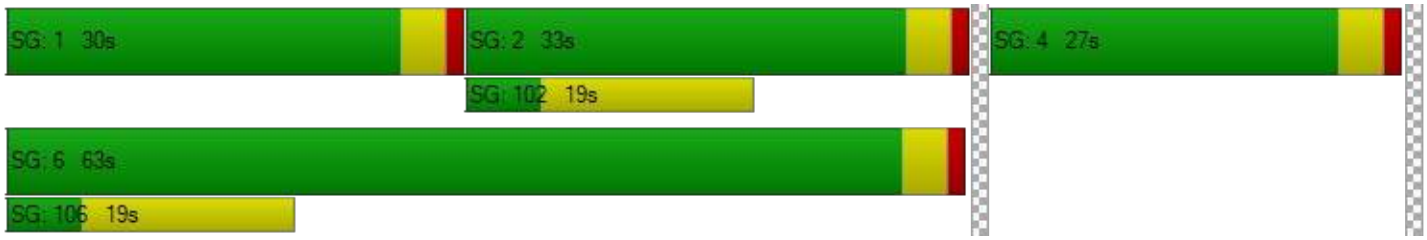
d_M, Delay for Movement [s/veh]	42.52	4.38	0.00	0.00	14.62	20.49	0.00	0.00	0.00	36.93	41.90	41.90
Movement LOS	D	A			B	C				D	D	D
d_A, Approach Delay [s/veh]	19.72			18.46			0.00			39.46		
Approach LOS	B			B			A			D		
d_I, Intersection Delay [s/veh]	24.69											
Intersection LOS	C											
Intersection V/C	0.625											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.170	2.161
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1311	644	0	511
d_b, Bicycle Delay [s]	5.34	20.67	45.00	24.94
l_b,int, Bicycle LOS Score for Intersection	2.159	2.152	4.132	2.462
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	25.9
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.580

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	359	219	192	299	0	323	2	390	0	0	0
Peak Hour Factor	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	100	61	54	83	0	90	1	109	0	0	0
Total Analysis Volume [veh/h]	0	401	244	214	334	0	360	2	435	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	23	0	16	39	0	0	51	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	39	39	12	55	27	27	
g / C, Green / Cycle	0.43	0.43	0.13	0.61	0.30	0.30	
(v / s)_i Volume / Saturation Flow Rate	0.17	0.19	0.12	0.09	0.20	0.27	
s, saturation flow rate [veh/h]	1900	1676	1810	3618	1810	1615	
c, Capacity [veh/h]	817	721	241	2199	549	490	
d1, Uniform Delay [s]	17.60	18.10	38.33	7.62	27.31	29.90	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.43	2.01	10.49	0.15	1.36	5.67	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.39	0.45	0.89	0.15	0.66	0.89	
d, Delay for Lane Group [s/veh]	19.03	20.10	48.82	7.77	28.67	35.57	
Lane Group LOS	B	C	D	A	C	D	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	4.38	4.57	5.04	1.15	6.38	8.89	
50th-Percentile Queue Length [ft/ln]	109.52	114.30	126.02	28.71	159.46	222.27	
95th-Percentile Queue Length [veh/ln]	7.81	8.08	8.72	2.07	10.52	13.78	
95th-Percentile Queue Length [ft/ln]	195.33	201.96	218.08	51.68	263.01	344.52	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	19.24	20.10	48.82	7.77	0.00	28.67	28.67	35.57	0.00	0.00	0.00
Movement LOS		B	C	D	A		C	C	D			
d_A, Approach Delay [s/veh]	19.57			23.80			32.43			0.00		
Approach LOS	B			C			C			A		
d_I, Intersection Delay [s/veh]	25.89											
Intersection LOS	C											
Intersection V/C	0.580											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.364	1.873
Crosswalk LOS	F	F	B	A
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	422	778	1044	0
d_b, Bicycle Delay [s]	28.01	16.81	10.27	45.00
l_b,int, Bicycle LOS Score for Intersection	2.092	2.012	2.875	4.132
Bicycle LOS	B	B	C	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	25.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.358

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	9	406	37	160	532	17	8	5	8	44	3	159
Peak Hour Factor	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	117	11	46	154	5	2	1	2	13	1	46
Total Analysis Volume [veh/h]	10	469	43	185	614	20	9	6	9	51	3	184
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	24	0	22	36	0	10	24	0	20	34	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	102	102	102	102	102	102	102	102	102	102	102	102
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	1	47	47	12	57	57	1	11	11	5	14	14
g / C, Green / Cycle	0.01	0.46	0.46	0.12	0.56	0.56	0.01	0.10	0.10	0.05	0.13	0.13
(v / s)_i Volume / Saturation Flow Rate	0.01	0.14	0.14	0.10	0.17	0.17	0.00	0.00	0.01	0.03	0.00	0.11
s, saturation flow rate [veh/h]	1810	1900	1845	1810	1900	1879	1810	1900	1615	1810	1900	1615
c, Capacity [veh/h]	27	866	840	219	1068	1056	25	196	166	83	257	218
d1, Uniform Delay [s]	49.77	17.50	17.52	43.88	11.76	11.77	49.87	41.17	41.27	47.78	38.20	43.05
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.32	0.89	0.92	8.58	0.72	0.72	8.84	0.06	0.13	7.19	0.02	8.52
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.37	0.30	0.30	0.84	0.30	0.30	0.37	0.03	0.05	0.61	0.01	0.84
d, Delay for Lane Group [s/veh]	58.09	18.38	18.44	52.47	12.48	12.49	58.71	41.23	41.40	54.97	38.22	51.57
Lane Group LOS	E	B	B	D	B	B	E	D	D	D	D	D
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.30	3.70	3.62	4.87	3.51	3.47	0.28	0.13	0.20	1.40	0.06	4.87
50th-Percentile Queue Length [ft/ln]	7.62	92.39	90.52	121.83	87.68	86.80	7.03	3.37	5.10	34.95	1.61	121.66
95th-Percentile Queue Length [veh/ln]	0.55	6.65	6.52	8.49	6.31	6.25	0.51	0.24	0.37	2.52	0.12	8.48
95th-Percentile Queue Length [ft/ln]	13.71	166.31	162.94	212.34	157.83	156.24	12.65	6.07	9.18	62.91	2.89	212.10

Movement, Approach, & Intersection Results

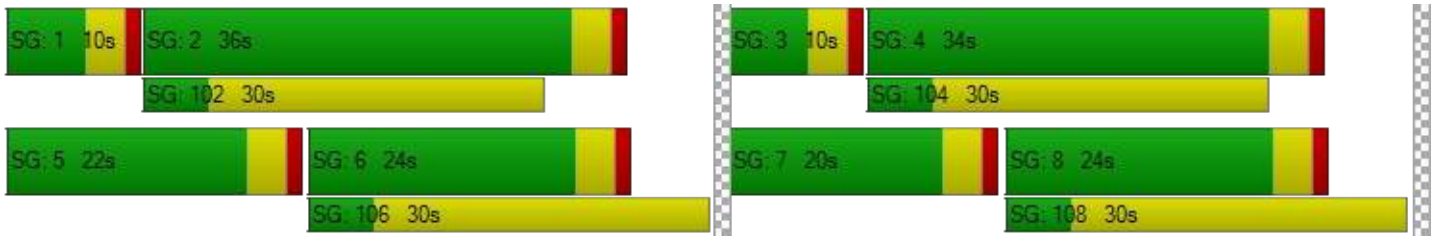
d_M, Delay for Movement [s/veh]	58.09	18.41	18.44	52.47	12.48	12.49	58.71	41.23	41.40	54.97	38.22	51.57
Movement LOS	E	B	B	D	B	B	E	D	D	D	D	D
d_A, Approach Delay [s/veh]	19.17			21.52			47.85			52.13		
Approach LOS	B			C			D			D		
d_I, Intersection Delay [s/veh]	25.69											
Intersection LOS	C											
Intersection V/C	0.358											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	42.40	42.40	42.40	42.40
l_p,int, Pedestrian LOS Score for Intersection	2.696	2.789	2.324	2.445
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	392	627	392	588
d_b, Bicycle Delay [s]	32.96	24.02	32.96	25.41
l_b,int, Bicycle LOS Score for Intersection	1.990	2.235	1.579	1.756
Bicycle LOS	A	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	29.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.349

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	184	12	34	212	93	83	259	29	19	237	80
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	188	12	35	216	95	85	264	30	19	242	82
Peak Hour Factor	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	53	3	10	61	27	24	75	8	5	68	23
Total Analysis Volume [veh/h]	44	212	14	40	244	107	96	298	34	21	273	93
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	29	0	15	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	49	4	49	59	6	19	2	15	23
g / C, Green / Cycle	0.04	0.54	0.04	0.54	0.65	0.07	0.21	0.03	0.17	0.26
(v / s)_i Volume / Saturation Flow Rate	0.02	0.12	0.02	0.13	0.07	0.05	0.18	0.01	0.14	0.06
s, saturation flow rate [veh/h]	1810	1879	1810	1900	1615	1810	1866	1810	1900	1615
c, Capacity [veh/h]	81	1012	80	1023	1052	124	394	50	324	419
d1, Uniform Delay [s]	42.08	10.88	42.03	11.01	5.86	41.23	34.05	43.03	36.14	26.19
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.54	0.51	4.73	0.55	0.19	9.80	4.91	5.40	5.90	0.26
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.22	0.50	0.24	0.10	0.77	0.84	0.42	0.84	0.22
d, Delay for Lane Group [s/veh]	47.62	11.39	46.76	11.56	6.06	51.03	38.95	48.43	42.04	26.45
Lane Group LOS	D	B	D	B	A	D	D	D	D	C
Critical Lane Group	Yes	No	No	Yes	No	Yes	No	No	Yes	No
50th-Percentile Queue Length [veh/ln]	1.03	2.12	0.93	2.32	0.62	2.31	6.97	0.51	5.94	1.49
50th-Percentile Queue Length [ft/ln]	25.77	53.12	23.20	58.03	15.48	57.85	174.28	12.79	148.40	37.15
95th-Percentile Queue Length [veh/ln]	1.86	3.82	1.67	4.18	1.11	4.17	11.30	0.92	9.93	2.67
95th-Percentile Queue Length [ft/ln]	46.39	95.62	41.76	104.45	27.87	104.14	282.53	23.02	248.30	66.87

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.62	11.39	11.39	46.76	11.56	6.06	51.03	38.95	38.95	48.43	42.04	26.45
Movement LOS	D	B	B	D	B	A	D	D	D	D	D	C
d_A, Approach Delay [s/veh]	17.30			13.66			41.66			38.64		
Approach LOS	B			B			D			D		
d_I, Intersection Delay [s/veh]	28.99											
Intersection LOS	C											
Intersection V/C	0.349											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.250	2.559	2.403	2.542
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	667	711	667
d_b, Bicycle Delay [s]	23.47	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.005	2.205	2.266	2.198
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	26.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.558

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	534	341	0	0	502	287	0	0	0	451	3	225
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	545	348	0	0	512	293	0	0	0	460	3	230
Peak Hour Factor	0.9480	0.9480	1.0000	1.0000	0.9480	0.9480	1.0000	1.0000	1.0000	0.9480	0.9480	0.9480
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	144	92	0	0	135	77	0	0	0	121	1	61
Total Analysis Volume [veh/h]	575	367	0	0	540	309	0	0	0	485	3	243
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	32	67	0	0	35	0	0	0	0	0	23	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	67	45	45		15	15	15
g / C, Green / Cycle	0.20	0.74	0.50	0.50		0.17	0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.16	0.10	0.22	0.25		0.14	0.14	0.14
s, saturation flow rate [veh/h]	3514	3618	1900	1684		1810	1799	1615
c, Capacity [veh/h]	691	2677	948	840		310	308	276
d1, Uniform Delay [s]	34.74	3.39	14.54	15.10		35.90	35.91	36.05
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	2.71	0.11	1.53	2.17		5.08	5.14	6.44
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.83	0.14	0.45	0.51		0.81	0.81	0.83
d, Delay for Lane Group [s/veh]	37.44	3.49	16.07	17.27		40.98	41.04	42.50
Lane Group LOS	D	A	B	B		D	D	D
Critical Lane Group	Yes	No	No	Yes		No	No	Yes
50th-Percentile Queue Length [veh/ln]	5.87	0.59	5.16	5.45		5.37	5.36	5.04
50th-Percentile Queue Length [ft/ln]	146.68	14.77	129.01	136.14		134.33	133.90	125.96
95th-Percentile Queue Length [veh/ln]	9.84	1.06	8.89	9.27		9.17	9.15	8.72
95th-Percentile Queue Length [ft/ln]	245.99	26.59	222.14	231.82		229.36	228.78	217.99

Movement, Approach, & Intersection Results

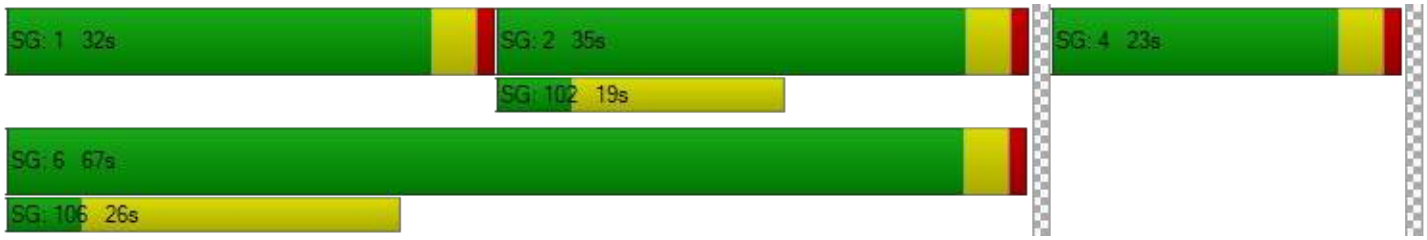
d_M, Delay for Movement [s/veh]	37.44	3.49	0.00	0.00	16.33	17.27	0.00	0.00	0.00	41.01	41.04	42.50
Movement LOS	D	A			B	B				D	D	D
d_A, Approach Delay [s/veh]	24.21			16.67			0.00			41.48		
Approach LOS	C			B			A			D		
d_I, Intersection Delay [s/veh]	26.68											
Intersection LOS	C											
Intersection V/C	0.558											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.149	2.338
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1400	689	0	422
d_b, Bicycle Delay [s]	4.05	19.34	45.00	28.01
l_b,int, Bicycle LOS Score for Intersection	2.337	2.260	4.132	2.766
Bicycle LOS	B	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	20.3
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.565

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	794	445	279	683	0	124	2	543	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	810	454	285	697	0	126	2	554	0	0	0
Peak Hour Factor	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	214	120	75	184	0	33	1	146	0	0	0
Total Analysis Volume [veh/h]	0	856	480	301	737	0	133	2	586	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	36	0	14	50	0	0	40	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	49	49	10	62	20	20	20	
g / C, Green / Cycle	0.54	0.54	0.11	0.69	0.22	0.22	0.22	
(v / s)_i Volume / Saturation Flow Rate	0.24	0.30	0.09	0.20	0.07	0.18	0.18	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1617	1615	
c, Capacity [veh/h]	1960	875	374	2506	395	353	353	
d1, Uniform Delay [s]	12.38	13.45	39.29	5.34	29.67	33.60	33.60	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	0.71	2.47	4.08	0.30	0.50	5.14	5.15	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.44	0.55	0.80	0.29	0.34	0.83	0.83	
d, Delay for Lane Group [s/veh]	13.09	15.92	43.37	5.64	30.17	38.74	38.75	
Lane Group LOS	B	B	D	A	C	D	D	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	4.48	5.82	3.26	1.89	2.32	6.17	6.17	
50th-Percentile Queue Length [ft/ln]	111.88	145.42	81.62	47.32	57.97	154.35	154.26	
95th-Percentile Queue Length [veh/ln]	7.94	9.77	5.88	3.41	4.17	10.25	10.24	
95th-Percentile Queue Length [ft/ln]	198.62	244.30	146.92	85.18	104.34	256.23	256.10	

Movement, Approach, & Intersection Results

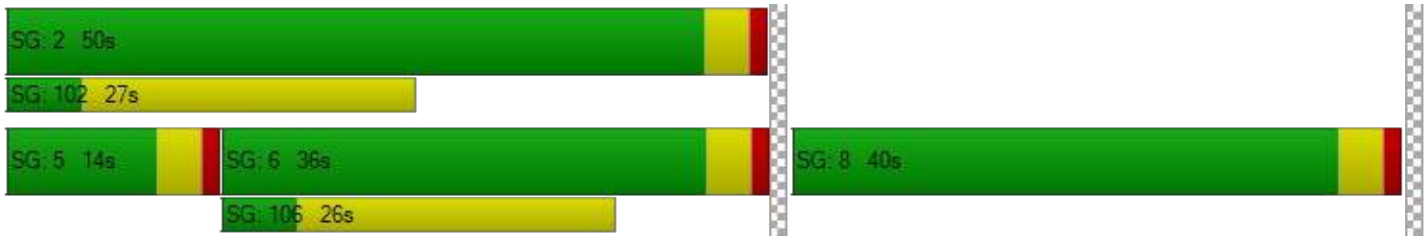
d_M, Delay for Movement [s/veh]	0.00	13.09	15.92	43.37	5.64	0.00	30.17	38.74	38.74	0.00	0.00	0.00
Movement LOS		B	B	D	A		C	D	D			
d_A, Approach Delay [s/veh]	14.11			16.58			37.16			0.00		
Approach LOS	B			B			D			A		
d_I, Intersection Delay [s/veh]	20.31											
Intersection LOS	C											
Intersection V/C	0.565											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.332	2.098
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	711	1022	800	0
d_b, Bicycle Delay [s]	18.69	10.76	16.20	45.00
l_b,int, Bicycle LOS Score for Intersection	2.662	2.416	2.749	4.132
Bicycle LOS	B	B	B	D

Sequence

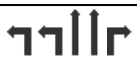
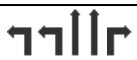
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	19.5
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.336

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	54	735	18	147	767	311	197	66	60	11	79	300
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	55	750	18	150	782	317	201	67	61	11	81	306
Peak Hour Factor	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	197	5	39	205	83	53	18	16	3	21	80
Total Analysis Volume [veh/h]	58	787	19	157	821	333	211	70	64	12	85	321
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	10	30	30	16	36	36	11	34	34	10	33	33
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	5	46	52	12	54	65	7	14	23	2	9	25
g / C, Green / Cycle	0.05	0.52	0.58	0.13	0.60	0.72	0.08	0.16	0.25	0.02	0.10	0.27
(v / s)_i Volume / Saturation Flow Rate	0.02	0.22	0.01	0.04	0.23	0.21	0.06	0.02	0.04	0.00	0.02	0.20
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	181	1865	935	469	2161	1162	273	559	405	66	346	442
d1, Uniform Delay [s]	41.16	13.50	8.08	35.38	9.44	4.46	40.72	32.80	26.32	43.47	37.69	29.65
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.15
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.01	0.70	0.04	0.42	0.51	0.62	4.61	0.10	0.18	1.30	0.37	3.26
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.32	0.42	0.02	0.34	0.38	0.29	0.77	0.13	0.16	0.18	0.25	0.73
d, Delay for Lane Group [s/veh]	42.17	14.20	8.12	35.80	9.95	5.08	45.33	32.90	26.50	44.77	38.06	32.91
Lane Group LOS	D	B	A	D	A	A	D	C	C	D	D	C
Critical Lane Group	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.61	4.37	0.14	1.50	3.48	1.55	2.34	0.63	1.02	0.14	0.84	6.16
50th-Percentile Queue Length [ft/ln]	15.32	109.14	3.51	37.40	87.03	38.70	58.43	15.65	25.38	3.42	20.91	153.96
95th-Percentile Queue Length [veh/ln]	1.10	7.79	0.25	2.69	6.27	2.79	4.21	1.13	1.83	0.25	1.51	10.23
95th-Percentile Queue Length [ft/ln]	27.58	194.81	6.31	67.32	156.65	69.65	105.17	28.17	45.69	6.16	37.65	255.71

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.17	14.20	8.12	35.80	9.95	5.08	45.33	32.90	26.50	44.77	38.06	32.91
Movement LOS	D	B	A	D	A	A	D	C	C	D	D	C
d_A, Approach Delay [s/veh]	15.95			11.81			39.31			34.30		
Approach LOS	B			B			D			C		
d_I, Intersection Delay [s/veh]	19.46											
Intersection LOS	B											
Intersection V/C	0.336											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.004	3.206	2.786	2.750
Crosswalk LOS	C	C	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	578	711	667	644
d_b, Bicycle Delay [s]	22.76	18.69	20.00	20.67
l_b,int, Bicycle LOS Score for Intersection	2.272	2.641	1.844	1.904
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	48.5
Analysis Method:	HCM 6th Edition	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.023

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	638	5	113	610	101	0	3	0	3	2	107
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	167	1	30	160	26	0	1	0	1	1	28
Total Analysis Volume [veh/h]	4	668	5	118	639	106	0	3	0	3	2	112
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.13	0.01	0.00	0.00	0.03	0.00	0.03	0.02	0.17
d_M, Delay for Movement [s/veh]	9.15	0.00	0.00	9.45	0.00	0.00	44.93	45.49	12.03	36.25	48.50	11.84
Movement LOS	A	A	A	A	A	A	E	E	B	E	E	B
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.44	0.00	0.00	0.10	0.10	0.10	0.08	0.70	0.70
95th-Percentile Queue Length [ft/ln]	0.35	0.00	0.00	10.89	0.00	0.00	2.51	2.51	2.51	1.94	17.59	17.59
d_A, Approach Delay [s/veh]	0.05			1.29			45.49			13.10		
Approach LOS	A			A			E			B		
d_I, Intersection Delay [s/veh]	1.70											
Intersection LOS	E											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.425

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	153	533	57	47	509	43	103	292	125	88	361	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	156	544	58	48	519	44	105	298	128	90	368	36
Peak Hour Factor	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	46	159	17	14	152	13	31	87	37	26	108	11
Total Analysis Volume [veh/h]	182	636	68	56	607	51	123	349	150	105	430	42
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	35	0	13	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	20	20	5	19	19	7	43	43	7	42	42
g / C, Green / Cycle	0.07	0.22	0.22	0.05	0.21	0.21	0.08	0.48	0.48	0.07	0.47	0.47
(v / s)_i Volume / Saturation Flow Rate	0.05	0.19	0.19	0.02	0.18	0.18	0.07	0.14	0.14	0.06	0.13	0.13
s, saturation flow rate [veh/h]	3514	1900	1836	3514	1900	1849	1810	1900	1710	1810	1900	1841
c, Capacity [veh/h]	234	422	408	178	392	381	141	902	812	135	896	868
d1, Uniform Delay [s]	41.34	33.54	33.54	41.21	34.38	34.39	41.06	14.39	14.42	40.92	14.38	14.39
k, delay calibration	0.11	0.13	0.13	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.48	5.75	5.95	1.00	5.22	5.41	15.13	0.81	0.92	9.33	0.73	0.76
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.78	0.85	0.85	0.31	0.85	0.85	0.87	0.29	0.29	0.78	0.27	0.27
d, Delay for Lane Group [s/veh]	46.82	39.29	39.49	42.20	39.59	39.80	56.19	15.20	15.34	50.25	15.11	15.15
Lane Group LOS	D	D	D	D	D	D	E	B	B	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.05	7.58	7.35	0.59	7.06	6.90	3.13	3.02	2.78	2.51	2.75	2.69
50th-Percentile Queue Length [ft/ln]	51.34	189.55	183.81	14.80	176.47	172.60	78.34	75.53	69.54	62.66	68.85	67.26
95th-Percentile Queue Length [veh/ln]	3.70	12.10	11.80	1.07	11.42	11.21	5.64	5.44	5.01	4.51	4.96	4.84
95th-Percentile Queue Length [ft/ln]	92.41	302.44	294.99	26.65	285.40	280.32	141.00	135.95	125.17	112.78	123.93	121.07

Movement, Approach, & Intersection Results

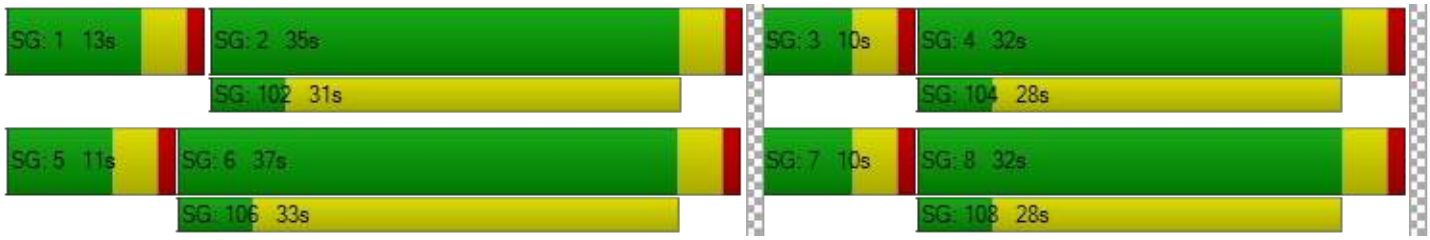
d_M, Delay for Movement [s/veh]	46.82	39.38	39.49	42.20	39.69	39.80	56.19	15.23	15.34	50.25	15.13	15.15
Movement LOS	D	D	D	D	D	D	E	B	B	D	B	B
d_A, Approach Delay [s/veh]	40.92			39.89			23.36			21.52		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	32.76											
Intersection LOS	C											
Intersection V/C	0.425											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.928	2.865	2.719	2.643
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	689	733
d_b, Bicycle Delay [s]	21.36	21.36	19.34	18.05
l_b,int, Bicycle LOS Score for Intersection	2.291	2.149	2.073	2.036
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	15.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.188

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	72	15	37	363	440	89
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	73	15	38	370	449	91
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	4	10	101	122	25
Total Analysis Volume [veh/h]	79	16	41	402	488	99
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.19	0.02	0.04	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	15.69	12.20	8.76	0.00	0.00	0.00
Movement LOS	C	B	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.79	0.79	0.13	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	19.68	19.68	3.21	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	15.10		0.81		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	1.59					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.392

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	63	305	127	94	426	81	65	254	82	136	334	103
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	311	130	96	435	81	65	254	82	139	334	105
Peak Hour Factor	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	88	37	27	123	23	18	72	23	39	95	30
Total Analysis Volume [veh/h]	71	352	147	109	493	92	74	288	93	157	378	119
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	31	0	14	35	0	14	31	0	14	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	15	15	7	17	17	5	42	42	9	47	47
g / C, Green / Cycle	0.06	0.17	0.17	0.08	0.19	0.19	0.06	0.47	0.47	0.11	0.52	0.52
(v / s)_i Volume / Saturation Flow Rate	0.04	0.14	0.14	0.06	0.16	0.16	0.04	0.10	0.11	0.09	0.14	0.14
s, saturation flow rate [veh/h]	1810	1900	1714	1810	1900	1798	1810	1900	1745	1810	1900	1747
c, Capacity [veh/h]	101	322	290	139	362	343	103	894	821	191	986	906
d1, Uniform Delay [s]	41.78	35.98	36.08	40.80	35.00	35.03	41.72	14.06	14.10	39.45	12.05	12.07
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.73	4.84	5.80	9.22	4.86	5.24	8.92	0.57	0.63	8.62	0.65	0.71
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.71	0.81	0.82	0.78	0.83	0.83	0.72	0.22	0.22	0.82	0.26	0.26
d, Delay for Lane Group [s/veh]	50.51	40.82	41.87	50.02	39.85	40.26	50.64	14.63	14.73	48.07	12.70	12.78
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.74	5.69	5.30	2.65	6.51	6.23	1.78	2.20	2.09	3.65	2.63	2.45
50th-Percentile Queue Length [ft/ln]	43.55	142.29	132.62	66.17	162.77	155.66	44.57	55.11	52.26	91.24	65.64	61.32
95th-Percentile Queue Length [veh/ln]	3.14	9.60	9.08	4.76	10.70	10.32	3.21	3.97	3.76	6.57	4.73	4.42
95th-Percentile Queue Length [ft/ln]	78.40	240.10	227.05	119.10	267.39	257.97	80.22	99.20	94.07	164.24	118.16	110.38

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	50.51	41.09	41.87	50.02	40.01	40.26	50.64	14.66	14.73	48.07	12.72	12.78
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.47			41.62			20.53			21.22		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	32.16											
Intersection LOS	C											
Intersection V/C	0.392											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.643	2.624	2.625	2.691
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	600	689	600	600
d_b, Bicycle Delay [s]	22.05	19.34	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.030	2.132	1.935	2.099
Bicycle LOS	B	B	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rialto Olive Avenue Development

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Report File: \...\2 OY 2020 PM.pdf

Scenario 2 OY 2020 PM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	NB Left	0.641	26.7	C
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	0.624	25.1	C
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	WB Left	0.485	30.4	C
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.564	32.2	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Thru	0.580	27.4	C
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	SB Left	0.710	22.0	C
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	SB Left	0.578	23.6	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.017	68.4	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.430	33.8	C
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.328	19.6	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.431	28.7	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	26.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.641

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	442	442	0	0	332	377	0	0	0	253	5	136
Peak Hour Factor	0.9640	0.9640	1.0000	1.0000	0.9640	0.9640	1.0000	1.0000	1.0000	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	115	115	0	0	86	98	0	0	0	66	1	35
Total Analysis Volume [veh/h]	459	459	0	0	344	391	0	0	0	262	5	141
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	36	69	0	0	33	0	0	0	0	0	21	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	25	67	38	38		15	15
g / C, Green / Cycle	0.28	0.74	0.42	0.42		0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.25	0.13	0.18	0.24		0.14	0.09
s, saturation flow rate [veh/h]	1810	3618	1900	1615		1810	1623
c, Capacity [veh/h]	502	2691	802	681		302	271
d1, Uniform Delay [s]	31.46	3.38	18.37	19.84		36.50	34.30
k, delay calibration	0.24	0.50	0.50	0.50		0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	13.60	0.14	1.68	3.49		7.42	1.66
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	0.91	0.17	0.43	0.57		0.87	0.54
d, Delay for Lane Group [s/veh]	45.06	3.52	20.04	23.34		43.92	35.96
Lane Group LOS	D	A	C	C		D	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	10.68	0.73	4.84	6.15		5.84	2.86
50th-Percentile Queue Length [ft/ln]	267.04	18.35	120.99	153.67		146.09	71.46
95th-Percentile Queue Length [veh/ln]	16.04	1.32	8.45	10.21		9.81	5.15
95th-Percentile Queue Length [ft/ln]	401.04	33.03	211.19	255.32		245.20	128.63

Movement, Approach, & Intersection Results

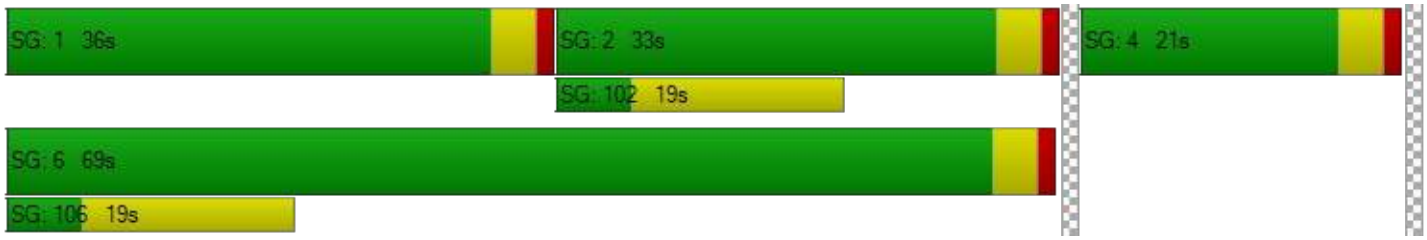
d_M, Delay for Movement [s/veh]	45.06	3.52	0.00	0.00	20.04	23.34	0.00	0.00	0.00	43.92	35.96	35.96
Movement LOS	D	A			C	C				D	D	D
d_A, Approach Delay [s/veh]	24.29			21.80			0.00			41.07		
Approach LOS	C			C			A			D		
d_I, Intersection Delay [s/veh]	26.72											
Intersection LOS	C											
Intersection V/C	0.641											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.259	2.048
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1444	644	0	378
d_b, Bicycle Delay [s]	3.47	20.67	45.00	29.61
l_b,int, Bicycle LOS Score for Intersection	2.317	2.166	4.132	2.233
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	25.1
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.624

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	563	321	210	360	0	316	8	378	0	0	0
Peak Hour Factor	1.0000	0.9820	0.9820	0.9820	0.9820	1.0000	0.9820	0.9820	0.9820	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	143	82	53	92	0	80	2	96	0	0	0
Total Analysis Volume [veh/h]	0	573	327	214	367	0	322	8	385	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	23	0	21	44	0	0	46	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	41	41	13	58	24	24	
g / C, Green / Cycle	0.46	0.46	0.14	0.64	0.27	0.27	
(v / s)_i Volume / Saturation Flow Rate	0.24	0.27	0.12	0.10	0.18	0.24	
s, saturation flow rate [veh/h]	1900	1684	1810	3618	1812	1615	
c, Capacity [veh/h]	865	767	253	2314	492	439	
d1, Uniform Delay [s]	17.50	18.23	37.75	6.51	29.20	31.36	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	2.23	3.28	7.57	0.15	1.59	5.77	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.52	0.59	0.85	0.16	0.67	0.88	
d, Delay for Lane Group [s/veh]	19.73	21.50	45.32	6.65	30.79	37.13	
Lane Group LOS	B	C	D	A	C	D	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	6.32	6.72	4.83	1.11	6.04	8.00	
50th-Percentile Queue Length [ft/ln]	157.88	167.91	120.82	27.73	151.06	200.01	
95th-Percentile Queue Length [veh/ln]	10.44	10.97	8.44	2.00	10.07	12.64	
95th-Percentile Queue Length [ft/ln]	260.92	274.16	210.95	49.92	251.84	315.98	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	20.11	21.50	45.32	6.65	0.00	30.79	30.79	37.13	0.00	0.00	0.00
Movement LOS		C	C	D	A		C	C	D			
d_A, Approach Delay [s/veh]	20.62			20.89			34.21			0.00		
Approach LOS	C			C			C			A		
d_I, Intersection Delay [s/veh]	25.12											
Intersection LOS	C											
Intersection V/C	0.624											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.297	1.960
Crosswalk LOS	F	F	B	A
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	422	889	933	0
d_b, Bicycle Delay [s]	28.01	13.89	12.80	45.00
l_b,int, Bicycle LOS Score for Intersection	2.302	2.039	2.739	4.132
Bicycle LOS	B	B	B	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	30.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.485

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	639	69	218	525	5	27	5	7	53	7	224
Peak Hour Factor	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	167	18	57	137	1	7	1	2	14	2	59
Total Analysis Volume [veh/h]	0	668	72	228	549	5	28	5	7	55	7	234
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	24	0	27	41	0	10	24	0	15	29	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	102	102	102	102	102	102	102	102	102	102	102	102
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	0	39	39	15	54	54	3	15	15	5	17	17
g / C, Green / Cycle	0.00	0.38	0.38	0.15	0.53	0.53	0.03	0.15	0.15	0.05	0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.00	0.20	0.20	0.13	0.15	0.15	0.02	0.00	0.00	0.03	0.00	0.14
s, saturation flow rate [veh/h]	1810	1900	1836	1810	1900	1894	1810	1900	1615	1810	1900	1615
c, Capacity [veh/h]	2	722	698	264	998	995	59	288	245	86	316	269
d1, Uniform Delay [s]	0.00	24.43	24.44	42.54	13.45	13.45	48.48	36.79	36.85	47.73	35.56	41.43
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.00	2.67	2.78	8.13	0.69	0.69	5.80	0.02	0.05	7.73	0.03	8.46
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.00	0.52	0.52	0.86	0.28	0.28	0.47	0.02	0.03	0.64	0.02	0.87
d, Delay for Lane Group [s/veh]	0.00	27.10	27.21	50.67	14.14	14.15	54.27	36.82	36.90	55.46	35.59	49.89
Lane Group LOS	A	C	C	D	B	B	D	D	D	E	D	D
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.00	6.98	6.78	5.92	3.32	3.31	0.77	0.10	0.15	1.51	0.14	6.12
50th-Percentile Queue Length [ft/ln]	0.00	174.52	169.51	148.02	83.00	82.76	19.33	2.61	3.68	37.84	3.58	153.01
95th-Percentile Queue Length [veh/ln]	0.00	11.31	11.05	9.91	5.98	5.96	1.39	0.19	0.26	2.72	0.26	10.18
95th-Percentile Queue Length [ft/ln]	0.00	282.84	276.26	247.79	149.39	148.97	34.80	4.70	6.62	68.12	6.45	254.44

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	27.15	27.21	50.67	14.14	14.15	54.27	36.82	36.90	55.46	35.59	49.89
Movement LOS	A	C	C	D	B	B	D	D	D	E	D	D
d_A, Approach Delay [s/veh]	27.16			24.79			49.05			50.59		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	30.37											
Intersection LOS	C											
Intersection V/C	0.485											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	42.40	42.40	42.40	42.40
l_p,int, Pedestrian LOS Score for Intersection	2.746	2.864	2.323	2.483
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	392	725	392	490
d_b, Bicycle Delay [s]	32.96	20.71	32.96	29.06
l_b,int, Bicycle LOS Score for Intersection	2.170	2.205	1.593	1.804
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.564

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	327	39	75	285	123	103	477	48	37	339	46
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	334	40	77	291	125	105	487	49	38	346	47
Peak Hour Factor	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	85	10	20	74	32	27	124	13	10	88	12
Total Analysis Volume [veh/h]	40	342	41	79	298	128	107	498	50	39	354	48
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	31	0	13	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	37	5	38	49	7	28	4	25	35
g / C, Green / Cycle	0.04	0.41	0.06	0.42	0.54	0.08	0.32	0.04	0.28	0.38
(v / s)_i Volume / Saturation Flow Rate	0.02	0.21	0.04	0.16	0.08	0.06	0.29	0.02	0.19	0.03
s, saturation flow rate [veh/h]	1810	1865	1810	1900	1615	1810	1870	1810	1900	1615
c, Capacity [veh/h]	78	756	106	801	875	137	590	77	536	622
d1, Uniform Delay [s]	42.15	20.00	41.69	17.86	10.27	40.87	29.82	42.18	28.49	17.52
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.29	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.20	2.41	9.76	1.33	0.35	9.31	15.49	5.16	1.45	0.05
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.52	0.51	0.74	0.37	0.15	0.78	0.93	0.51	0.66	0.08
d, Delay for Lane Group [s/veh]	47.35	22.42	51.45	19.19	10.62	50.18	45.32	47.34	29.95	17.57
Lane Group LOS	D	C	D	B	B	D	D	D	C	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.94	5.83	1.92	4.06	1.15	2.55	12.86	0.91	6.38	0.58
50th-Percentile Queue Length [ft/ln]	23.40	145.70	48.00	101.47	28.74	63.78	321.60	22.83	159.40	14.57
95th-Percentile Queue Length [veh/ln]	1.68	9.79	3.46	7.31	2.07	4.59	18.75	1.64	10.52	1.05
95th-Percentile Queue Length [ft/ln]	42.12	244.68	86.41	182.65	51.73	114.81	468.66	41.09	262.93	26.22

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.35	22.42	22.42	51.45	19.19	10.62	50.18	45.32	45.32	47.34	29.95	17.57
Movement LOS	D	C	C	D	B	B	D	D	D	D	C	B
d_A, Approach Delay [s/veh]	24.78			22.06			46.11			30.14		
Approach LOS	C			C			D			C		
d_I, Intersection Delay [s/veh]	32.17											
Intersection LOS	C											
Intersection V/C	0.564											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.380	2.627	2.579	2.646
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	600	667	711	667
d_b, Bicycle Delay [s]	22.05	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.258	2.393	2.640	2.287
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	27.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.580

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	546	415	0	0	502	204	0	0	0	649	6	280
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	557	423	0	0	512	208	0	0	0	662	6	286
Peak Hour Factor	0.9660	0.9660	1.0000	1.0000	0.9660	0.9660	1.0000	1.0000	1.0000	0.9660	0.9660	0.9660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	144	109	0	0	133	54	0	0	0	171	2	74
Total Analysis Volume [veh/h]	577	438	0	0	530	215	0	0	0	685	6	296
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	29	55	0	0	26	0	0	0	0	0	35	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	61	39	39		21	21	21
g / C, Green / Cycle	0.19	0.67	0.43	0.43		0.24	0.24	0.24
(v / s)_i Volume / Saturation Flow Rate	0.16	0.12	0.20	0.22		0.18	0.20	0.18
s, saturation flow rate [veh/h]	3514	3618	1900	1724		1810	1811	1615
c, Capacity [veh/h]	686	2436	824	748		430	431	384
d1, Uniform Delay [s]	34.88	5.46	17.95	18.40		31.96	32.68	32.01
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.14	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	2.89	0.16	1.79	2.36		2.86	5.85	3.30
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.84	0.18	0.45	0.50		0.76	0.84	0.77
d, Delay for Lane Group [s/veh]	37.77	5.62	19.74	20.77		34.82	38.53	35.31
Lane Group LOS	D	A	B	C		C	D	D
Critical Lane Group	Yes	No	No	Yes		No	Yes	No
50th-Percentile Queue Length [veh/ln]	5.92	1.14	5.20	5.40		6.48	7.61	5.89
50th-Percentile Queue Length [ft/ln]	147.91	28.53	129.96	135.05		162.12	190.30	147.22
95th-Percentile Queue Length [veh/ln]	9.91	2.05	8.94	9.21		10.66	12.14	9.87
95th-Percentile Queue Length [ft/ln]	247.63	51.35	223.44	230.34		266.53	303.42	246.72

Movement, Approach, & Intersection Results

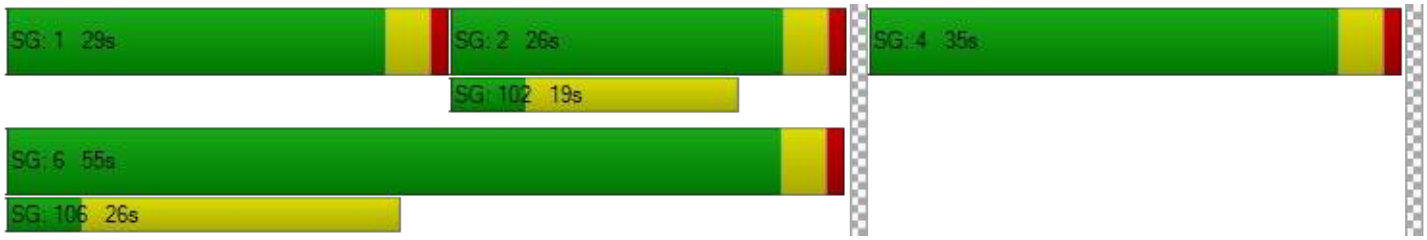
d_M, Delay for Movement [s/veh]	37.77	5.62	0.00	0.00	20.04	20.77	0.00	0.00	0.00	36.75	38.53	35.31
Movement LOS	D	A			C	C				D	D	D
d_A, Approach Delay [s/veh]	23.90			20.25			0.00			36.33		
Approach LOS	C			C			A			D		
d_I, Intersection Delay [s/veh]	27.37											
Intersection LOS	C											
Intersection V/C	0.580											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.105	2.476
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1133	489	0	689
d_b, Bicycle Delay [s]	8.45	25.69	45.00	19.34
l_b,int, Bicycle LOS Score for Intersection	2.397	2.174	4.132	3.188
Bicycle LOS	B	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	22.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.710

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	719	660	250	824	0	226	1	574	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	733	673	255	840	0	231	1	585	0	0	0
Peak Hour Factor	1.0000	0.9450	0.9450	0.9450	0.9450	1.0000	0.9450	0.9450	0.9450	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	194	178	67	222	0	61	0	155	0	0	0
Total Analysis Volume [veh/h]	0	776	712	270	889	0	244	1	619	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	34	0	13	47	0	0	43	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	48	48	9	61	21	21	21	
g / C, Green / Cycle	0.54	0.54	0.10	0.68	0.23	0.23	0.23	
(v / s)_i Volume / Saturation Flow Rate	0.21	0.44	0.08	0.25	0.13	0.19	0.19	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1616	1615	
c, Capacity [veh/h]	1944	868	343	2458	419	374	374	
d1, Uniform Delay [s]	12.26	17.22	39.70	6.13	30.70	32.87	32.87	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	0.61	8.56	4.05	0.41	1.28	4.72	4.72	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.40	0.82	0.79	0.36	0.58	0.83	0.83	
d, Delay for Lane Group [s/veh]	12.87	25.78	43.75	6.55	31.98	37.58	37.60	
Lane Group LOS	B	C	D	A	C	D	D	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	3.99	11.93	2.94	2.61	4.50	6.41	6.41	
50th-Percentile Queue Length [ft/ln]	99.78	298.15	73.44	65.36	112.60	160.35	160.34	
95th-Percentile Queue Length [veh/ln]	7.18	17.59	5.29	4.71	7.98	10.57	10.57	
95th-Percentile Queue Length [ft/ln]	179.61	439.74	132.18	117.66	199.61	264.18	264.18	

Movement, Approach, & Intersection Results

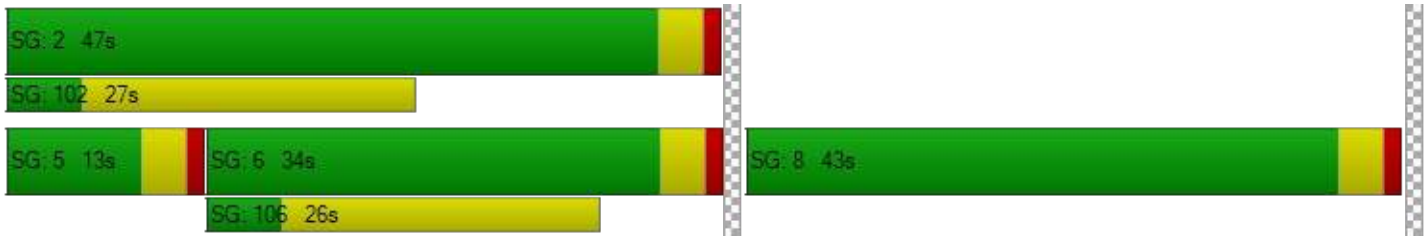
d_M, Delay for Movement [s/veh]	0.00	12.87	25.78	43.75	6.55	0.00	31.98	37.58	37.59	0.00	0.00	0.00
Movement LOS		B	C	D	A		C	D	D			
d_A, Approach Delay [s/veh]	19.05			15.21			36.01			0.00		
Approach LOS	B			B			D			A		
d_I, Intersection Delay [s/veh]	21.96											
Intersection LOS	C											
Intersection V/C	0.710											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.410	2.196
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	956	867	0
d_b, Bicycle Delay [s]	20.00	12.27	14.45	45.00
l_b,int, Bicycle LOS Score for Intersection	2.787	2.516	2.985	4.132
Bicycle LOS	C	B	C	D

Sequence

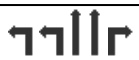
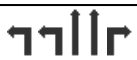
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	23.6
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.578

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	115	678	41	245	591	565	471	181	124	37	151	226
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	117	692	42	250	603	576	480	185	126	38	154	231
Peak Hour Factor	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	174	11	63	152	145	121	47	32	10	39	58
Total Analysis Volume [veh/h]	118	698	42	252	608	581	484	186	127	38	155	233
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	10	29	29	12	31	31	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	6	43	51	8	45	65	16	19	29	4	7	19
g / C, Green / Cycle	0.07	0.48	0.57	0.09	0.50	0.73	0.18	0.21	0.32	0.04	0.07	0.21
(v / s)_i Volume / Saturation Flow Rate	0.03	0.19	0.03	0.07	0.17	0.36	0.14	0.05	0.08	0.01	0.04	0.14
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	234	1742	916	312	1822	1172	624	763	520	144	269	335
d1, Uniform Delay [s]	40.56	14.99	8.66	40.24	13.32	5.29	35.30	29.55	22.46	41.83	40.29	33.02
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.67	0.69	0.09	4.92	0.49	1.50	2.11	0.16	0.24	0.96	1.95	2.59
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.50	0.40	0.05	0.81	0.33	0.50	0.78	0.24	0.24	0.26	0.58	0.69
d, Delay for Lane Group [s/veh]	42.24	15.68	8.76	45.16	13.82	6.79	37.41	29.71	22.70	42.79	42.24	35.61
Lane Group LOS	D	B	A	D	B	A	D	C	C	D	D	D
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.25	4.12	0.33	2.79	3.26	3.26	4.89	1.58	1.85	0.41	1.64	4.61
50th-Percentile Queue Length [ft/ln]	31.19	103.08	8.16	69.76	81.62	81.38	122.27	39.55	46.29	10.17	41.02	115.16
95th-Percentile Queue Length [veh/ln]	2.25	7.42	0.59	5.02	5.88	5.86	8.52	2.85	3.33	0.73	2.95	8.13
95th-Percentile Queue Length [ft/ln]	56.13	185.54	14.69	125.56	146.92	146.49	212.94	71.18	83.32	18.31	73.84	203.16

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.24	15.68	8.76	45.16	13.82	6.79	37.41	29.71	22.70	42.79	42.24	35.61
Movement LOS	D	B	A	D	B	A	D	C	C	D	D	D
d_A, Approach Delay [s/veh]	19.00			16.46			33.27			38.66		
Approach LOS	B			B			C			D		
d_I, Intersection Delay [s/veh]	23.57											
Intersection LOS	C											
Intersection V/C	0.578											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.974	3.258	2.979	2.806
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	600	778	556
d_b, Bicycle Delay [s]	23.47	22.05	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.267	2.748	2.217	1.911
Bicycle LOS	B	B	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	68.4
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.017

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	753	6	143	687	2	2	0	5	6	1	137
Peak Hour Factor	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	203	2	38	185	1	1	0	1	2	0	37
Total Analysis Volume [veh/h]	4	811	6	154	740	2	2	0	5	6	1	147
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.19	0.01	0.00	0.03	0.00	0.01	0.08	0.02	0.25
d_M, Delay for Movement [s/veh]	9.14	0.00	0.00	10.40	0.00	0.00	67.93	67.27	11.66	58.96	68.40	13.29
Movement LOS	A	A	A	B	A	A	F	F	B	F	F	B
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.69	0.00	0.00	0.13	0.13	0.13	0.26	1.05	1.05
95th-Percentile Queue Length [ft/ln]	0.34	0.00	0.00	17.21	0.00	0.00	3.29	3.29	3.29	6.55	26.22	26.22
d_A, Approach Delay [s/veh]	0.04			1.79			27.73			15.43		
Approach LOS	A			A			D			C		
d_I, Intersection Delay [s/veh]	2.24											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	33.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.430

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	129	593	106	76	530	77	139	392	151	86	351	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	132	605	108	78	541	79	142	400	154	88	358	56
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	156	28	20	139	20	37	103	40	23	92	14
Total Analysis Volume [veh/h]	136	624	111	80	558	81	146	412	159	91	369	58
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	35	0	13	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	21	21	5	20	20	7	42	42	6	41	41
g / C, Green / Cycle	0.06	0.23	0.23	0.06	0.22	0.22	0.08	0.47	0.47	0.07	0.46	0.46
(v / s)_i Volume / Saturation Flow Rate	0.04	0.20	0.20	0.02	0.17	0.17	0.08	0.16	0.16	0.05	0.11	0.12
s, saturation flow rate [veh/h]	3514	1900	1801	3514	1900	1817	1810	1900	1723	1810	1900	1811
c, Capacity [veh/h]	227	436	413	204	423	405	141	892	809	119	869	828
d1, Uniform Delay [s]	40.97	33.36	33.36	40.87	32.83	32.85	41.50	15.02	15.04	41.37	14.97	14.99
k, delay calibration	0.11	0.15	0.15	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.54	7.33	7.72	1.23	3.01	3.18	45.29	1.01	1.13	9.87	0.69	0.73
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.60	0.87	0.87	0.39	0.77	0.77	1.04	0.33	0.34	0.77	0.25	0.25
d, Delay for Lane Group [s/veh]	43.50	40.68	41.08	42.10	35.84	36.03	86.79	16.04	16.17	51.25	15.66	15.72
Lane Group LOS	D	D	D	D	D	D	F	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.47	8.17	7.80	0.84	6.52	6.27	4.71	3.60	3.31	2.20	2.56	2.48
50th-Percentile Queue Length [ft/ln]	36.65	204.36	195.02	21.09	162.93	156.83	117.76	89.90	82.74	55.04	64.10	62.03
95th-Percentile Queue Length [veh/ln]	2.64	12.86	12.38	1.52	10.70	10.38	8.37	6.47	5.96	3.96	4.62	4.47
95th-Percentile Queue Length [ft/ln]	65.97	321.58	309.53	37.97	267.60	259.51	209.21	161.82	148.93	99.06	115.39	111.66

Movement, Approach, & Intersection Results

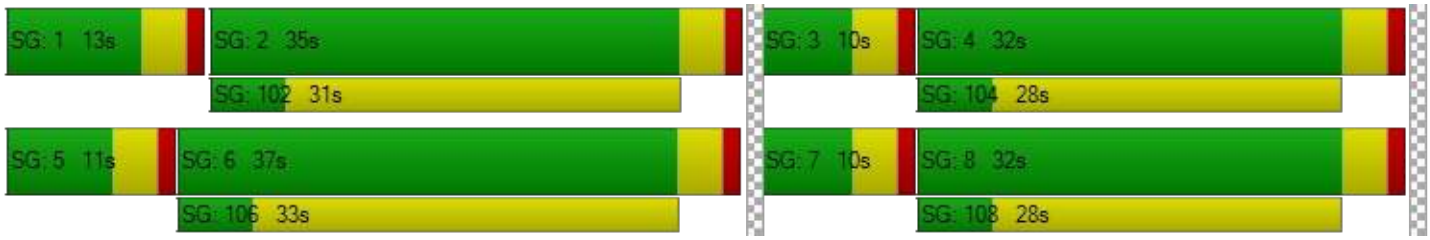
d_M, Delay for Movement [s/veh]	43.50	40.84	41.08	42.10	35.92	36.03	86.79	16.07	16.17	51.25	15.68	15.72
Movement LOS	D	D	D	D	D	D	F	B	B	D	B	B
d_A, Approach Delay [s/veh]	41.29			36.62			30.49			21.94		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	33.81											
Intersection LOS	C											
Intersection V/C	0.430											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.909	2.873	2.725	2.666
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	689	733
d_b, Bicycle Delay [s]	21.36	21.36	19.34	18.05
l_b,int, Bicycle LOS Score for Intersection	2.278	2.153	2.151	1.987
Bicycle LOS	B	B	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	19.6
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.328

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

Volumes

Name						
Base Volume Input [veh/h]	120	49	30	561	459	114
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	122	50	31	572	468	116
Peak Hour Factor	0.9520	0.9520	0.9520	0.9520	0.9520	0.9520
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	13	8	150	123	30
Total Analysis Volume [veh/h]	128	53	33	601	492	122
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.33	0.08	0.03	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	19.56	15.52	8.82	0.00	0.00	0.00
Movement LOS	C	C	A	A	A	A
95th-Percentile Queue Length [veh/ln]	1.92	1.92	0.10	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	48.06	48.06	2.62	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	18.37		0.46		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	2.53					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	28.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.431

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	92	378	90	89	247	53	68	505	81	102	399	76
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	92	386	92	91	252	53	68	505	81	104	399	78
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	105	25	25	68	14	18	137	22	28	108	21
Total Analysis Volume [veh/h]	100	420	100	99	274	58	74	549	88	113	434	85
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	17	38	0	10	31	0	11	31	0	11	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	16	16	6	15	15	5	45	45	7	47	47
g / C, Green / Cycle	0.07	0.17	0.17	0.07	0.17	0.17	0.06	0.51	0.51	0.08	0.53	0.53
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.14	0.05	0.09	0.09	0.04	0.17	0.17	0.06	0.14	0.14
s, saturation flow rate [veh/h]	1810	1900	1776	1810	1900	1787	1810	1900	1810	1810	1900	1794
c, Capacity [veh/h]	130	329	307	121	319	300	102	959	913	141	999	943
d1, Uniform Delay [s]	41.03	35.82	35.87	41.47	34.21	34.28	41.76	13.32	13.33	40.82	11.76	11.77
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	9.13	4.89	5.44	12.74	1.38	1.52	9.26	0.96	1.02	10.10	0.65	0.70
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.81	0.82	0.82	0.53	0.54	0.72	0.34	0.34	0.80	0.27	0.27
d, Delay for Lane Group [s/veh]	50.16	40.71	41.30	54.21	35.59	35.80	51.03	14.29	14.35	50.93	12.41	12.47
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.43	5.85	5.57	2.52	3.37	3.25	1.79	3.63	3.48	2.72	2.67	2.55
50th-Percentile Queue Length [ft/ln]	60.84	146.31	139.19	63.03	84.35	81.23	44.77	90.66	87.03	67.92	66.70	63.74
95th-Percentile Queue Length [veh/ln]	4.38	9.82	9.44	4.54	6.07	5.85	3.22	6.53	6.27	4.89	4.80	4.59
95th-Percentile Queue Length [ft/ln]	109.52	245.50	235.94	113.45	151.83	146.21	80.58	163.19	156.65	122.25	120.07	114.73

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	50.16	40.92	41.30	54.21	35.67	35.80	51.03	14.31	14.35	50.93	12.43	12.47
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.47			39.95			18.14			19.32		
Approach LOS	D			D			B			B		
d_I, Intersection Delay [s/veh]	28.68											
Intersection LOS	C											
Intersection V/C	0.431											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.586	2.564	2.725	2.750
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	600	600	600
d_b, Bicycle Delay [s]	17.42	22.05	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.071	1.915	2.146	2.081
Bicycle LOS	B	A	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rialto Olive Avenue Development

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Report File: \...\3 OY 2020 WP AM.pdf

Scenario 3 OY 2020 WP AM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	NB Left	0.637	25.8	C
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	0.623	26.4	C
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.367	25.2	C
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.402	30.4	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Right	0.562	26.7	C
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	SB Left	0.569	20.4	C
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.339	19.4	B
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.025	51.9	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.458	32.2	C
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.230	17.4	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	NB Left	0.395	32.2	C
12	Base Line Rd at Project Dwy 1	Two-way stop	HCM 6th Edition	SB Right	0.008	9.8	A
13	Base Line Rd at Project Dwy 2	Signalized	HCM 6th Edition	SB Right	0.247	8.0	A
14	Base Line Rd at Project Dwy 3	Two-way stop	HCM 6th Edition	SB Right	0.004	9.7	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	25.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.637

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	14	0	0	0	0	0	0	0	0	48	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	287	405	0	0	232	439	0	0	0	298	2	259
Peak Hour Factor	0.9340	0.9340	1.0000	1.0000	0.9340	0.9340	1.0000	1.0000	1.0000	0.9340	0.9340	0.9340
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	77	108	0	0	62	118	0	0	0	80	1	69
Total Analysis Volume [veh/h]	307	434	0	0	248	470	0	0	0	319	2	277
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	27	57	0	0	30	0	0	0	0	0	33	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	17	63	42	42		19	19
g / C, Green / Cycle	0.19	0.70	0.47	0.47		0.21	0.21
(v / s)_i Volume / Saturation Flow Rate	0.17	0.12	0.13	0.29		0.18	0.17
s, saturation flow rate [veh/h]	1810	3618	1900	1615		1810	1617
c, Capacity [veh/h]	348	2546	887	754		375	335
d1, Uniform Delay [s]	35.36	4.49	14.70	18.03		34.32	34.17
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	7.36	0.15	0.79	3.86		5.44	5.37
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	0.88	0.17	0.28	0.62		0.85	0.83
d, Delay for Lane Group [s/veh]	42.71	4.63	15.49	21.89		39.76	39.54
Lane Group LOS	D	A	B	C		D	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	6.78	0.94	2.90	7.11		6.78	5.91
50th-Percentile Queue Length [ft/ln]	169.45	23.45	72.61	177.73		169.48	147.72
95th-Percentile Queue Length [veh/ln]	11.05	1.69	5.23	11.48		11.05	9.90
95th-Percentile Queue Length [ft/ln]	276.20	42.22	130.70	287.05		276.23	247.38

Movement, Approach, & Intersection Results

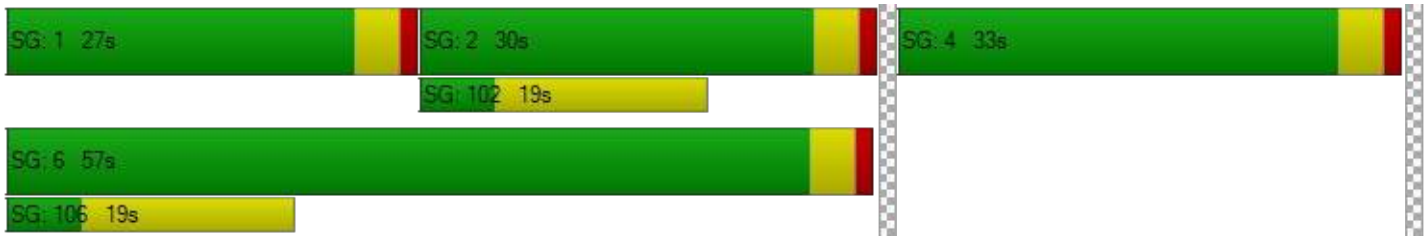
d_M, Delay for Movement [s/veh]	42.71	4.63	0.00	0.00	15.49	21.89	0.00	0.00	0.00	39.76	39.54	39.54
Movement LOS	D	A			B	C				D	D	D
d_A, Approach Delay [s/veh]	20.41			19.68			0.00			39.66		
Approach LOS	C			B			A			D		
d_I, Intersection Delay [s/veh]	25.75											
Intersection LOS	C											
Intersection V/C	0.637											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.184	2.202
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1178	578	0	644
d_b, Bicycle Delay [s]	7.61	22.76	45.00	20.67
l_b,int, Bicycle LOS Score for Intersection	2.171	2.152	4.132	2.546
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	26.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.623

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	14	14	0	48	0	0	0	48	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	373	233	192	347	0	323	2	438	0	0	0
Peak Hour Factor	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	104	65	54	97	0	90	1	122	0	0	0
Total Analysis Volume [veh/h]	0	416	260	214	387	0	360	2	489	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	23	0	16	39	0	0	51	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	36	36	12	52	30	30	
g / C, Green / Cycle	0.40	0.40	0.13	0.58	0.34	0.34	
(v / s)_i Volume / Saturation Flow Rate	0.18	0.20	0.12	0.11	0.20	0.30	
s, saturation flow rate [veh/h]	1900	1673	1810	3618	1810	1615	
c, Capacity [veh/h]	753	663	241	2077	610	544	
d1, Uniform Delay [s]	19.94	20.54	38.33	9.13	24.73	28.38	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.15	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.93	2.79	10.49	0.20	0.93	7.65	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.45	0.51	0.89	0.19	0.59	0.90	
d, Delay for Lane Group [s/veh]	21.87	23.33	48.82	9.33	25.66	36.03	
Lane Group LOS	C	C	D	A	C	D	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	5.04	5.29	5.04	1.54	5.95	10.14	
50th-Percentile Queue Length [ft/ln]	125.97	132.21	126.02	38.42	148.81	253.47	
95th-Percentile Queue Length [veh/ln]	8.72	9.06	8.72	2.77	9.95	15.36	
95th-Percentile Queue Length [ft/ln]	218.01	226.50	218.08	69.16	248.84	384.02	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	22.14	23.33	48.82	9.33	0.00	25.66	25.66	36.03	0.00	0.00	0.00
Movement LOS		C	C	D	A		C	C	D			
d_A, Approach Delay [s/veh]	22.60			23.39			31.62			0.00		
Approach LOS	C			C			C			A		
d_I, Intersection Delay [s/veh]	26.43											
Intersection LOS	C											
Intersection V/C	0.623											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.408	1.889
Crosswalk LOS	F	F	B	A
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	422	778	1044	0
d_b, Bicycle Delay [s]	28.01	16.81	10.27	45.00
l_b,int, Bicycle LOS Score for Intersection	2.117	2.055	2.964	4.132
Bicycle LOS	B	B	C	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	25.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.367

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	1	28	0	0	96	0	0	0	3	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	10	434	37	160	628	17	8	5	11	44	3	159
Peak Hour Factor	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	125	11	46	181	5	2	1	3	13	1	46
Total Analysis Volume [veh/h]	12	501	43	185	725	20	9	6	13	51	3	184
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	24	0	25	39	0	10	24	0	17	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	102	102	102	102	102	102	102	102	102	102	102	102
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	2	46	46	12	57	57	1	10	10	5	14	14
g / C, Green / Cycle	0.02	0.46	0.46	0.12	0.56	0.56	0.01	0.10	0.10	0.05	0.13	0.13
(v / s)_i Volume / Saturation Flow Rate	0.01	0.14	0.15	0.10	0.20	0.20	0.00	0.00	0.01	0.03	0.00	0.11
s, saturation flow rate [veh/h]	1810	1900	1848	1810	1900	1882	1810	1900	1615	1810	1900	1615
c, Capacity [veh/h]	31	865	841	220	1063	1053	25	196	166	83	257	218
d1, Uniform Delay [s]	49.58	17.70	17.72	43.82	12.32	12.32	49.87	41.17	41.37	47.80	38.22	43.07
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	7.54	0.97	1.00	8.32	0.92	0.93	8.84	0.06	0.20	7.32	0.02	8.59
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.38	0.32	0.32	0.84	0.35	0.35	0.37	0.03	0.08	0.62	0.01	0.84
d, Delay for Lane Group [s/veh]	57.12	18.67	18.72	52.14	13.23	13.24	58.71	41.23	41.57	55.12	38.24	51.66
Lane Group LOS	E	B	B	D	B	B	E	D	D	E	D	D
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.36	3.97	3.89	4.86	4.31	4.27	0.28	0.13	0.30	1.40	0.06	4.87
50th-Percentile Queue Length [ft/ln]	8.90	99.32	97.33	121.40	107.78	106.83	7.03	3.37	7.39	35.00	1.61	121.77
95th-Percentile Queue Length [veh/ln]	0.64	7.15	7.01	8.47	7.72	7.66	0.51	0.24	0.53	2.52	0.12	8.49
95th-Percentile Queue Length [ft/ln]	16.02	178.77	175.20	211.76	192.91	191.58	12.65	6.07	13.30	63.01	2.89	212.26

Movement, Approach, & Intersection Results

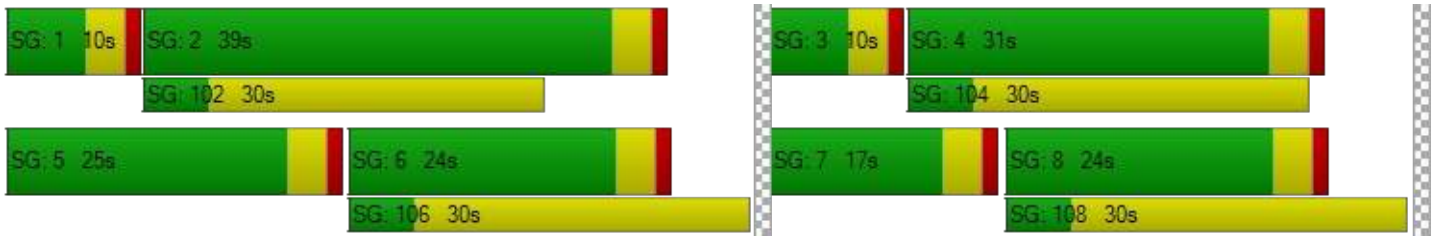
d_M, Delay for Movement [s/veh]	57.12	18.69	18.72	52.14	13.24	13.24	58.71	41.23	41.57	55.12	38.24	51.66
Movement LOS	E	B	B	D	B	B	E	D	D	E	D	D
d_A, Approach Delay [s/veh]	19.52			20.98			47.01			52.23		
Approach LOS	B			C			D			D		
d_I, Intersection Delay [s/veh]	25.18											
Intersection LOS	C											
Intersection V/C	0.367											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	42.40	42.40	42.40	42.40
l_p,int, Pedestrian LOS Score for Intersection	2.745	2.835	2.326	2.445
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	392	686	392	529
d_b, Bicycle Delay [s]	32.96	22.00	32.96	27.57
l_b,int, Bicycle LOS Score for Intersection	2.018	2.327	1.583	1.756
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	30.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.402

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	184	12	34	212	93	83	259	29	19	237	80
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	99	0	0	0	5	0	0	2	29
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	188	12	134	216	95	85	269	30	19	244	111
Peak Hour Factor	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	53	3	38	61	27	24	76	8	5	69	31
Total Analysis Volume [veh/h]	44	212	14	151	244	107	96	304	34	21	276	125
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	29	0	15	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	43	9	48	58	6	19	2	16	29
g / C, Green / Cycle	0.04	0.48	0.10	0.54	0.65	0.07	0.21	0.03	0.17	0.32
(v / s)_i Volume / Saturation Flow Rate	0.02	0.12	0.08	0.13	0.07	0.05	0.18	0.01	0.15	0.08
s, saturation flow rate [veh/h]	1810	1879	1810	1900	1615	1810	1867	1810	1900	1615
c, Capacity [veh/h]	81	898	186	1018	1048	124	399	50	329	518
d1, Uniform Delay [s]	42.08	13.96	39.50	11.12	5.94	41.23	33.97	43.03	36.01	22.52
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.54	0.67	8.13	0.56	0.20	9.80	5.04	5.40	5.74	0.24
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.25	0.81	0.24	0.10	0.77	0.85	0.42	0.84	0.24
d, Delay for Lane Group [s/veh]	47.62	14.63	47.63	11.68	6.14	51.03	39.01	48.43	41.74	22.76
Lane Group LOS	D	B	D	B	A	D	D	D	D	C
Critical Lane Group	No	Yes	Yes	No	No	Yes	No	No	Yes	No
50th-Percentile Queue Length [veh/ln]	1.03	2.54	3.49	2.34	0.63	2.31	7.11	0.51	5.98	1.82
50th-Percentile Queue Length [ft/ln]	25.77	63.59	87.27	58.47	15.66	57.85	177.72	12.79	149.47	45.60
95th-Percentile Queue Length [veh/ln]	1.86	4.58	6.28	4.21	1.13	4.17	11.48	0.92	9.99	3.28
95th-Percentile Queue Length [ft/ln]	46.39	114.46	157.09	105.24	28.19	104.14	287.04	23.02	249.73	82.09

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.62	14.63	14.63	47.63	11.68	6.14	51.03	39.01	39.01	48.43	41.74	22.76
Movement LOS	D	B	B	D	B	A	D	D	D	D	D	C
d_A, Approach Delay [s/veh]	20.00			21.31			41.67			36.45		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	30.45											
Intersection LOS	C											
Intersection V/C	0.402											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.250	2.605	2.408	2.591
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	667	711	667
d_b, Bicycle Delay [s]	23.47	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.005	2.388	2.276	2.256
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	26.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.562

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	534	341	0	0	502	287	0	0	0	451	3	225
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	3	1	0	0	3	0	0	0	0	11	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	548	349	0	0	515	293	0	0	0	471	3	230
Peak Hour Factor	0.9480	0.9480	1.0000	1.0000	0.9480	0.9480	1.0000	1.0000	1.0000	0.9480	0.9480	0.9480
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	145	92	0	0	136	77	0	0	0	124	1	61
Total Analysis Volume [veh/h]	578	368	0	0	543	309	0	0	0	497	3	243
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	31	66	0	0	35	0	0	0	0	0	24	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	66	45	45		16	16	16
g / C, Green / Cycle	0.20	0.74	0.50	0.50		0.17	0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.16	0.10	0.22	0.25		0.14	0.14	0.14
s, saturation flow rate [veh/h]	3514	3618	1900	1684		1810	1803	1615
c, Capacity [veh/h]	692	2664	941	834		316	315	282
d1, Uniform Delay [s]	34.75	3.48	14.79	15.36		35.66	35.67	35.84
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	2.76	0.11	1.57	2.23		4.82	4.86	6.20
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.84	0.14	0.45	0.51		0.81	0.81	0.83
d, Delay for Lane Group [s/veh]	37.51	3.59	16.36	17.59		40.49	40.53	42.03
Lane Group LOS	D	A	B	B		D	D	D
Critical Lane Group	Yes	No	No	Yes		No	No	Yes
50th-Percentile Queue Length [veh/ln]	5.90	0.61	5.25	5.54		5.42	5.41	5.10
50th-Percentile Queue Length [ft/ln]	147.62	15.29	131.14	138.42		135.48	135.22	127.48
95th-Percentile Queue Length [veh/ln]	9.89	1.10	9.00	9.40		9.24	9.22	8.80
95th-Percentile Queue Length [ft/ln]	247.24	27.52	225.04	234.90		230.93	230.57	220.06

Movement, Approach, & Intersection Results

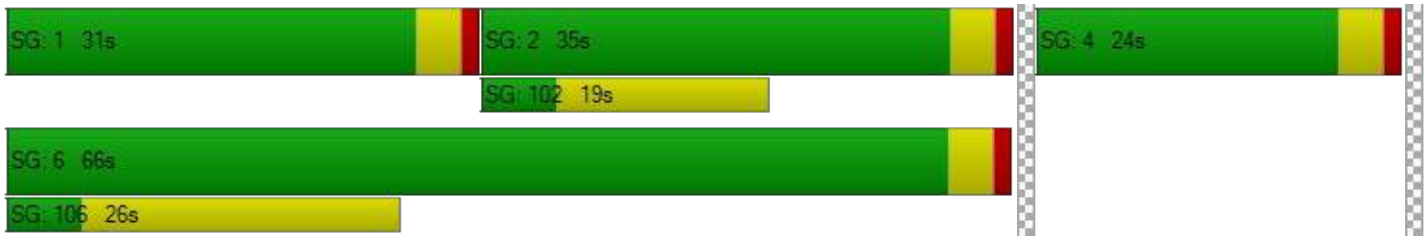
d_M, Delay for Movement [s/veh]	37.51	3.59	0.00	0.00	16.63	17.59	0.00	0.00	0.00	40.51	40.53	42.03
Movement LOS	D	A			B	B				D	D	D
d_A, Approach Delay [s/veh]	24.31			16.98			0.00			40.99		
Approach LOS	C			B			A			D		
d_I, Intersection Delay [s/veh]	26.73											
Intersection LOS	C											
Intersection V/C	0.562											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.150	2.344
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1378	689	0	444
d_b, Bicycle Delay [s]	4.36	19.34	45.00	27.22
l_b,int, Bicycle LOS Score for Intersection	2.340	2.263	4.132	2.786
Bicycle LOS	B	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	20.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.569

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	794	445	279	683	0	124	2	543	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	4	1	0	14	0	0	0	11	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	814	455	285	711	0	126	2	565	0	0	0
Peak Hour Factor	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	215	120	75	188	0	33	1	149	0	0	0
Total Analysis Volume [veh/h]	0	860	481	301	752	0	133	2	597	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	36	0	14	50	0	0	40	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	49	49	10	62	20	20	20	
g / C, Green / Cycle	0.54	0.54	0.11	0.69	0.22	0.22	0.22	
(v / s)_i Volume / Saturation Flow Rate	0.24	0.30	0.09	0.21	0.07	0.19	0.19	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1617	1615	
c, Capacity [veh/h]	1947	869	374	2493	402	359	358	
d1, Uniform Delay [s]	12.58	13.66	39.29	5.49	29.41	33.44	33.45	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	0.73	2.53	4.08	0.31	0.48	5.14	5.15	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.44	0.55	0.80	0.30	0.33	0.84	0.84	
d, Delay for Lane Group [s/veh]	13.31	16.19	43.37	5.80	29.89	38.58	38.60	
Lane Group LOS	B	B	D	A	C	D	D	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	4.55	5.90	3.26	1.98	2.30	6.28	6.28	
50th-Percentile Queue Length [ft/ln]	113.86	147.58	81.62	49.60	57.62	157.01	156.92	
95th-Percentile Queue Length [veh/ln]	8.05	9.89	5.88	3.57	4.15	10.39	10.39	
95th-Percentile Queue Length [ft/ln]	201.36	247.19	146.92	89.28	103.72	259.76	259.64	

Movement, Approach, & Intersection Results

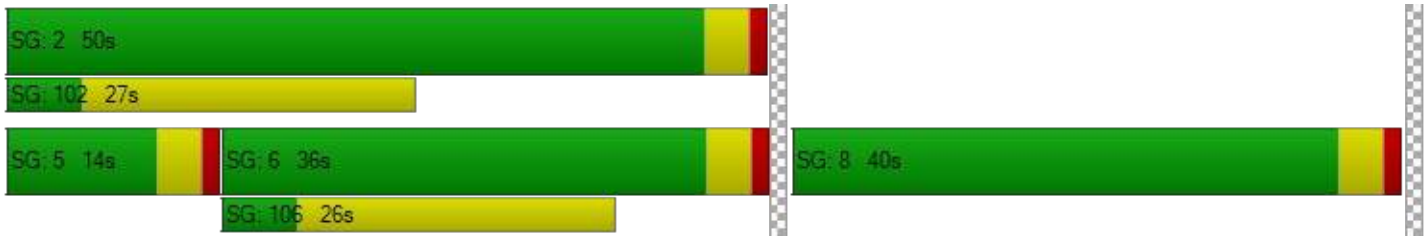
d_M, Delay for Movement [s/veh]	0.00	13.31	16.19	43.37	5.80	0.00	29.89	38.58	38.59	0.00	0.00	0.00
Movement LOS		B	B	D	A		C	D	D			
d_A, Approach Delay [s/veh]	14.35			16.54			37.01			0.00		
Approach LOS	B			B			D			A		
d_I, Intersection Delay [s/veh]	20.39											
Intersection LOS	C											
Intersection V/C	0.569											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.338	2.099
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	711	1022	800	0
d_b, Bicycle Delay [s]	18.69	10.76	16.20	45.00
l_b,int, Bicycle LOS Score for Intersection	2.666	2.428	2.767	4.132
Bicycle LOS	B	B	C	D

Sequence

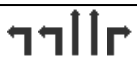
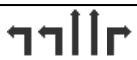
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	19.4
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.339

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	54	735	18	147	767	311	197	66	60	11	79	300
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	5	2	0	25	0	0	0	0	5	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	55	755	20	150	807	317	201	67	61	16	81	306
Peak Hour Factor	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	198	5	39	212	83	53	18	16	4	21	80
Total Analysis Volume [veh/h]	58	792	21	157	847	333	211	70	64	17	85	321
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	10	30	30	19	39	39	11	31	31	10	30	30
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	5	46	52	13	54	65	7	13	22	2	9	25
g / C, Green / Cycle	0.05	0.51	0.58	0.14	0.60	0.72	0.08	0.15	0.24	0.02	0.09	0.28
(v / s)_i Volume / Saturation Flow Rate	0.02	0.22	0.01	0.04	0.23	0.21	0.06	0.02	0.04	0.00	0.02	0.20
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	180	1837	930	500	2167	1165	273	536	394	84	341	454
d1, Uniform Delay [s]	41.18	13.96	8.20	34.65	9.45	4.41	40.72	33.29	26.78	43.10	37.81	29.03
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.15
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.02	0.74	0.04	0.36	0.53	0.62	4.61	0.11	0.19	1.19	0.38	2.89
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.32	0.43	0.02	0.31	0.39	0.29	0.77	0.13	0.16	0.20	0.25	0.71
d, Delay for Lane Group [s/veh]	42.20	14.70	8.24	35.00	9.98	5.03	45.33	33.40	26.97	44.28	38.18	31.92
Lane Group LOS	D	B	A	D	A	A	D	C	C	D	D	C
Critical Lane Group	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.61	4.49	0.16	1.48	3.61	1.53	2.34	0.63	1.03	0.19	0.84	6.05
50th-Percentile Queue Length [ft/ln]	15.33	112.36	3.90	36.92	90.23	38.36	58.43	15.80	25.67	4.75	20.95	151.34
95th-Percentile Queue Length [veh/ln]	1.10	7.97	0.28	2.66	6.50	2.76	4.21	1.14	1.85	0.34	1.51	10.09
95th-Percentile Queue Length [ft/ln]	27.59	199.28	7.03	66.46	162.41	69.05	105.17	28.45	46.21	8.55	37.71	252.22

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.20	14.70	8.24	35.00	9.98	5.03	45.33	33.40	26.97	44.28	38.18	31.92
Movement LOS	D	B	A	D	A	A	D	C	C	D	D	C
d_A, Approach Delay [s/veh]	16.37			11.69			39.50			33.68		
Approach LOS	B			B			D			C		
d_I, Intersection Delay [s/veh]	19.41											
Intersection LOS	B											
Intersection V/C	0.339											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.013	3.213	2.786	2.751
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	578	778	600	578
d_b, Bicycle Delay [s]	22.76	16.81	22.05	22.76
l_b,int, Bicycle LOS Score for Intersection	2.278	2.663	1.844	1.909
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	51.9
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.025

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	4	0	8	22	0	0	0	0	0	0	3
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	642	5	121	632	101	0	3	0	3	2	110
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	168	1	32	165	26	0	1	0	1	1	29
Total Analysis Volume [veh/h]	4	672	5	127	662	106	0	3	0	3	2	115
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.14	0.01	0.00	0.00	0.04	0.00	0.03	0.03	0.17
d_M, Delay for Movement [s/veh]	9.23	0.00	0.00	9.51	0.00	0.00	48.75	48.77	12.34	38.49	51.87	11.94
Movement LOS	A	A	A	A	A	A	E	E	B	E	F	B
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.48	0.00	0.00	0.11	0.11	0.11	0.08	0.73	0.73
95th-Percentile Queue Length [ft/ln]	0.35	0.00	0.00	11.89	0.00	0.00	2.71	2.71	2.71	2.08	18.36	18.36
d_A, Approach Delay [s/veh]	0.05			1.35			48.77			13.27		
Approach LOS	A			A			E			B		
d_I, Intersection Delay [s/veh]	1.76											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.458

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	153	533	57	47	509	43	103	292	125	88	361	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	5	22	0	0	0	104	0	2	31	4
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	156	544	63	70	519	44	105	402	128	92	399	40
Peak Hour Factor	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	46	159	18	20	152	13	31	118	37	27	117	12
Total Analysis Volume [veh/h]	182	636	74	82	607	51	123	470	150	108	467	47
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	35	0	13	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	20	20	5	19	19	7	42	42	7	42	42
g / C, Green / Cycle	0.07	0.22	0.22	0.06	0.21	0.21	0.08	0.47	0.47	0.08	0.47	0.47
(v / s)_i Volume / Saturation Flow Rate	0.05	0.19	0.19	0.02	0.18	0.18	0.07	0.17	0.17	0.06	0.14	0.14
s, saturation flow rate [veh/h]	3514	1900	1831	3514	1900	1849	1810	1900	1745	1810	1900	1840
c, Capacity [veh/h]	234	420	405	205	404	393	141	886	814	138	884	856
d1, Uniform Delay [s]	41.34	33.72	33.72	40.85	33.82	33.84	41.06	15.42	15.44	40.83	14.92	14.93
k, delay calibration	0.11	0.14	0.14	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.48	6.51	6.74	1.26	4.29	4.44	15.13	1.16	1.27	9.24	0.85	0.88
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.78	0.86	0.86	0.40	0.82	0.83	0.87	0.36	0.37	0.78	0.29	0.30
d, Delay for Lane Group [s/veh]	46.82	40.23	40.47	42.11	38.11	38.27	56.19	16.58	16.71	50.07	15.77	15.82
Lane Group LOS	D	D	D	D	D	D	E	B	B	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.05	7.76	7.51	0.86	6.91	6.75	3.13	3.98	3.70	2.57	3.10	3.02
50th-Percentile Queue Length [ft/ln]	51.34	194.12	187.83	21.62	172.72	168.76	78.34	99.58	92.54	64.30	77.44	75.52
95th-Percentile Queue Length [veh/ln]	3.70	12.33	12.01	1.56	11.22	11.01	5.64	7.17	6.66	4.63	5.58	5.44
95th-Percentile Queue Length [ft/ln]	92.41	308.37	300.21	38.92	280.49	275.29	141.00	179.24	166.58	115.74	139.40	135.94

Movement, Approach, & Intersection Results

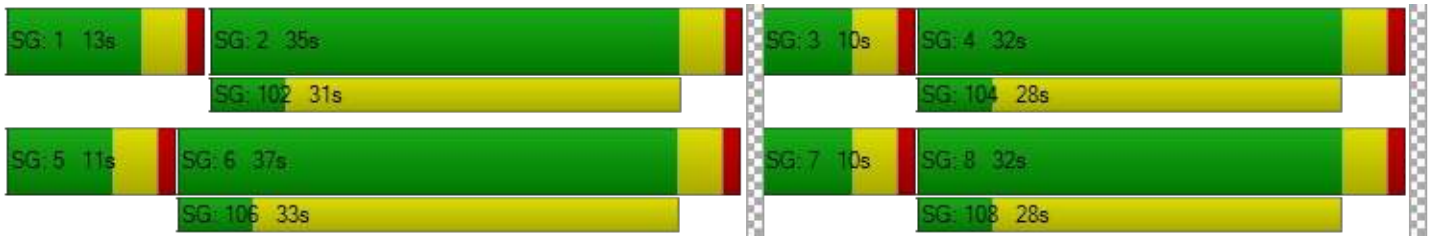
d_M, Delay for Movement [s/veh]	46.82	40.33	40.47	42.11	38.18	38.27	56.19	16.62	16.71	50.07	15.79	15.82
Movement LOS	D	D	D	D	D	D	E	B	B	D	B	B
d_A, Approach Delay [s/veh]	41.67			38.63			23.19			21.75		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	32.20											
Intersection LOS	C											
Intersection V/C	0.458											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.930	2.873	2.770	2.707
Crosswalk LOS	C	C	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	689	733
d_b, Bicycle Delay [s]	21.36	21.36	19.34	18.05
l_b,int, Bicycle LOS Score for Intersection	2.296	2.170	2.173	2.073
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	17.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.230

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	72	15	37	363	440	89
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	8	0	0	131	37	3
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	81	15	38	501	486	94
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	4	10	136	132	26
Total Analysis Volume [veh/h]	88	16	41	545	528	102
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.23	0.02	0.04	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	17.36	13.19	8.91	0.00	0.00	0.00
Movement LOS	C	B	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.99	0.99	0.13	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	24.81	24.81	3.33	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	16.72		0.62		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	1.59					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.395

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	63	305	127	94	426	81	65	254	82	136	334	103
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	5	0	0	0	0	0	0	2	2	0	5	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	68	311	130	96	435	81	65	256	84	139	339	105
Peak Hour Factor	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	88	37	27	123	23	18	72	24	39	96	30
Total Analysis Volume [veh/h]	77	352	147	109	493	92	74	290	95	157	384	119
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	34	0	11	35	0	14	31	0	14	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	15	15	7	17	17	5	42	42	9	47	47
g / C, Green / Cycle	0.06	0.17	0.17	0.08	0.19	0.19	0.06	0.47	0.47	0.11	0.52	0.52
(v / s)_i Volume / Saturation Flow Rate	0.04	0.14	0.14	0.06	0.16	0.16	0.04	0.10	0.11	0.09	0.14	0.14
s, saturation flow rate [veh/h]	1810	1900	1714	1810	1900	1798	1810	1900	1743	1810	1900	1748
c, Capacity [veh/h]	103	324	292	138	360	341	103	893	820	191	985	906
d1, Uniform Delay [s]	41.79	35.87	35.97	40.87	35.09	35.12	41.72	14.10	14.14	39.45	12.09	12.11
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	10.12	4.65	5.55	9.70	5.03	5.43	8.92	0.57	0.65	8.62	0.66	0.72
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.75	0.80	0.82	0.79	0.83	0.84	0.72	0.22	0.23	0.82	0.26	0.27
d, Delay for Lane Group [s/veh]	51.91	40.52	41.51	50.58	40.13	40.55	50.64	14.68	14.79	48.07	12.75	12.83
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.92	5.67	5.28	2.66	6.53	6.25	1.78	2.24	2.12	3.65	2.67	2.49
50th-Percentile Queue Length [ft/ln]	47.95	141.76	131.96	66.58	163.37	156.25	44.57	55.88	52.94	91.24	66.66	62.30
95th-Percentile Queue Length [veh/ln]	3.45	9.58	9.05	4.79	10.73	10.35	3.21	4.02	3.81	6.57	4.80	4.49
95th-Percentile Queue Length [ft/ln]	86.31	239.39	226.15	119.84	268.17	258.76	80.22	100.58	95.29	164.24	120.00	112.15

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	51.91	40.78	41.51	50.58	40.29	40.55	50.64	14.71	14.79	48.07	12.78	12.83
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.46			41.94			20.52			21.18		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	32.21											
Intersection LOS	C											
Intersection V/C	0.395											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.645	2.624	2.630	2.693
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	689	600	600
d_b, Bicycle Delay [s]	20.00	19.34	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.035	2.132	1.938	2.104
Bicycle LOS	B	B	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 12: Base Line Rd at Project Dwy 1

Control Type:	Two-way stop	Delay (sec / veh):	9.8
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.008

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	1	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	483	428	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	9	0	139	31	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	-9	0	-1	0	0
Existing Site Adjustment Volume [veh/h]	0	6	0	0	5	3
Other Volume [veh/h]	0	0	0	0	11	0
Total Hourly Volume [veh/h]	0	6	0	631	484	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	2	0	158	121	1
Total Analysis Volume [veh/h]	0	6	0	631	484	3
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	9.75	0.00	0.00	0.00	0.00
Movement LOS		A		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.02	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.59	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	9.75		0.00		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.05					
Intersection LOS	A					

Intersection Level Of Service Report
Intersection 13: Base Line Rd at Project Dwy 2

Control Type:	Signalized	Delay (sec / veh):	8.0
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.247

Intersection Setup

Name							
Approach	Southbound		Eastbound			Westbound	
Lane Configuration							
Turning Movement	Left	Right	U-turn	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00			30.00	
Grade [%]	0.00		0.00			0.00	
Curb Present	No		No			No	
Crosswalk	Yes		No			No	

Volumes

Name							
Base Volume Input [veh/h]	0	0	17	0	411	483	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	4	28	0	139	0	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	-1	5	0	-1	0	3	3
Other Volume [veh/h]	0	0	0	0	5	27	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	33	17	138	424	526	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	8	4	35	106	132	1
Total Analysis Volume [veh/h]	3	33	17	138	424	526	3
Presence of On-Street Parking	No	No	No		No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0		0			0	
v_di, Inbound Pedestrian Volume crossing m	0		0			0	
v_co, Outbound Pedestrian Volume crossing	0		0			0	
v_ci, Inbound Pedestrian Volume crossing mi	0		0			0	
v_ab, Corner Pedestrian Volume [ped/h]	0		0			0	
Bicycle Volume [bicycles/h]	0		0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Protected	Permissive	Permissive	Permissive
Signal Group	7	0	0	1	2	6	0
Auxiliary Signal Groups							
Lead / Lag	Lead	-	-	Lead	-	-	-
Minimum Green [s]	6	0	0	6	6	6	0
Maximum Green [s]	30	0	0	30	30	30	0
Amber [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
All red [s]	1.0	0.0	0.0	1.0	1.0	1.0	0.0
Split [s]	10	0	0	24	50	26	0
Vehicle Extension [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
Walk [s]	5	0	0	0	5	5	0
Pedestrian Clearance [s]	10	0	0	0	10	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk	No				No	No	
I1, Start-Up Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
Minimum Recall	No			No	No	No	
Maximum Recall	No			No	No	No	
Pedestrian Recall	No			No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	L	C	C	C
C, Cycle Length [s]	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	3	7	49	39	39
g / C, Green / Cycle	0.05	0.11	0.82	0.64	0.64
(v / s)_i Volume / Saturation Flow Rate	0.02	0.09	0.12	0.14	0.14
s, saturation flow rate [veh/h]	1630	1810	3618	1900	1896
c, Capacity [veh/h]	75	206	2969	1217	1214
d1, Uniform Delay [s]	27.92	25.78	1.09	4.51	4.51
k, delay calibration	0.11	0.11	0.50	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.71	5.52	0.10	0.41	0.41
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.48	0.75	0.14	0.22	0.22
d, Delay for Lane Group [s/veh]	32.63	31.30	1.19	4.92	4.92
Lane Group LOS	C	C	A	A	A
Critical Lane Group	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.58	2.33	0.06	1.09	1.09
50th-Percentile Queue Length [ft/ln]	14.43	58.34	1.62	27.16	27.17
95th-Percentile Queue Length [veh/ln]	1.04	4.20	0.12	1.96	1.96
95th-Percentile Queue Length [ft/ln]	25.98	105.02	2.92	48.88	48.91

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	32.63	32.63	31.30	31.30	1.19	4.92	4.92
Movement LOS	C	C	C	C	A	A	A
d_A, Approach Delay [s/veh]	32.63		9.25			4.92	
Approach LOS	C		A			A	
d_I, Intersection Delay [s/veh]	7.98						
Intersection LOS	A						
Intersection V/C	0.247						

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	0.0	0.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	0.00	0.00
l_p,int, Pedestrian LOS Score for Intersection	1.782	0.000	0.000
Crosswalk LOS	A	F	F
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	200	1533	733
d_b, Bicycle Delay [s]	24.30	1.63	12.03
l_b,int, Bicycle LOS Score for Intersection	1.619	1.923	1.996
Bicycle LOS	A	A	A

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 14: Base Line Rd at Project Dwy 3

Control Type:	Two-way stop	Delay (sec / veh):	9.7
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.004

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	399	466	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	3	0	4	0	10
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	-1	5	-5
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	3	0	410	480	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	1	0	103	120	1
Total Analysis Volume [veh/h]	0	3	0	410	480	5
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	9.73	0.00	0.00	0.00	0.00
Movement LOS		A		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.01	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.30	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	9.73		0.00		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.03					
Intersection LOS	A					

Rialto Olive Avenue Development

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Scenario 3 OY 2020 WP PM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	WB Left	0.680	27.3	C
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	0.667	26.5	C
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	NB Left	0.512	27.3	C
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.587	32.1	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Thru	0.585	27.4	C
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	SB Left	0.717	22.2	C
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	SB Left	0.578	23.5	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	EB Left	0.038	73.8	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.455	33.1	C
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.409	24.7	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.435	28.6	C
12	Base Line Rd at Project Dwy 1	Two-way stop	HCM 6th Edition	SB Right	0.031	10.7	B
13	Base Line Rd at Project Dwy 2	Signalized	HCM 6th Edition	SB Right	0.266	7.4	A
14	Base Line Rd at Project Dwy 3	Two-way stop	HCM 6th Edition	SB Right	0.015	10.0	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	27.3
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.680

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	51	0	0	0	0	0	0	0	0	18	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	493	442	0	0	332	377	0	0	0	271	5	136
Peak Hour Factor	0.9640	0.9640	1.0000	1.0000	0.9640	0.9640	1.0000	1.0000	1.0000	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	128	115	0	0	86	98	0	0	0	70	1	35
Total Analysis Volume [veh/h]	511	459	0	0	344	391	0	0	0	281	5	141
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	46	69	0	0	23	0	0	0	0	0	21	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	28	66	34	34		16	16
g / C, Green / Cycle	0.31	0.74	0.38	0.38		0.18	0.18
(v / s)_i Volume / Saturation Flow Rate	0.28	0.13	0.18	0.24		0.16	0.09
s, saturation flow rate [veh/h]	1810	3618	1900	1615		1810	1623
c, Capacity [veh/h]	557	2659	727	618		318	286
d1, Uniform Delay [s]	30.03	3.62	20.94	22.62		36.17	33.58
k, delay calibration	0.17	0.50	0.50	0.50		0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	9.59	0.14	2.20	4.87		7.97	1.41
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	0.92	0.17	0.47	0.63		0.88	0.51
d, Delay for Lane Group [s/veh]	39.62	3.76	23.14	27.49		44.15	34.99
Lane Group LOS	D	A	C	C		D	C
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	11.11	0.79	5.33	6.84		6.30	2.81
50th-Percentile Queue Length [ft/ln]	277.71	19.87	133.23	170.88		157.44	70.23
95th-Percentile Queue Length [veh/ln]	16.57	1.43	9.12	11.12		10.41	5.06
95th-Percentile Queue Length [ft/ln]	414.37	35.77	227.88	278.08		260.33	126.41

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	39.62	3.76	0.00	0.00	23.14	27.49	0.00	0.00	0.00	44.15	34.99	34.99
Movement LOS	D	A			C	C				D	C	C
d_A, Approach Delay [s/veh]	22.65			25.45			0.00			41.02		
Approach LOS	C			C			A			D		
d_I, Intersection Delay [s/veh]	27.30											
Intersection LOS	C											
Intersection V/C	0.680											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.309	2.063
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1444	422	0	378
d_b, Bicycle Delay [s]	3.47	28.01	45.00	29.61
l_b,int, Bicycle LOS Score for Intersection	2.360	2.166	4.132	2.264
Bicycle LOS	B	B	D	B

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	26.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.667

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	51	50	0	18	0	0	0	19	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	614	371	210	378	0	316	8	397	0	0	0
Peak Hour Factor	1.0000	0.9820	0.9820	0.9820	0.9820	1.0000	0.9820	0.9820	0.9820	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	156	94	53	96	0	80	2	101	0	0	0
Total Analysis Volume [veh/h]	0	625	378	214	385	0	322	8	404	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	34	0	16	50	0	0	40	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	41	41	12	57	25	25	
g / C, Green / Cycle	0.45	0.45	0.13	0.63	0.28	0.28	
(v / s)_i Volume / Saturation Flow Rate	0.26	0.30	0.12	0.11	0.18	0.25	
s, saturation flow rate [veh/h]	1900	1677	1810	3618	1812	1615	
c, Capacity [veh/h]	857	756	241	2274	512	456	
d1, Uniform Delay [s]	18.43	19.35	38.33	6.94	28.34	30.90	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.18	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	2.92	4.55	10.49	0.16	1.37	9.36	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.59	0.66	0.89	0.17	0.65	0.89	
d, Delay for Lane Group [s/veh]	21.35	23.90	48.82	7.10	29.71	40.26	
Lane Group LOS	C	C	D	A	C	D	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	7.44	8.04	5.04	1.23	5.91	8.82	
50th-Percentile Queue Length [ft/ln]	186.12	201.10	126.02	30.69	147.85	220.55	
95th-Percentile Queue Length [veh/ln]	11.92	12.70	8.72	2.21	9.90	13.69	
95th-Percentile Queue Length [ft/ln]	298.00	317.38	218.08	55.25	247.55	342.32	

Movement, Approach, & Intersection Results

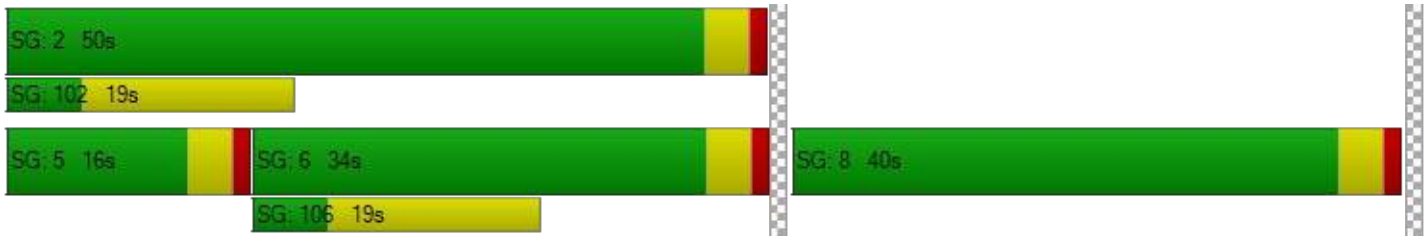
d_M, Delay for Movement [s/veh]	0.00	21.85	23.90	48.82	7.10	0.00	29.71	29.71	40.26	0.00	0.00	0.00
Movement LOS		C	C	D	A		C	C	D			
d_A, Approach Delay [s/veh]	22.63			22.01			35.52			0.00		
Approach LOS	C			C			D			A		
d_I, Intersection Delay [s/veh]	26.52											
Intersection LOS	C											
Intersection V/C	0.667											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.313	2.010
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	1022	800	0
d_b, Bicycle Delay [s]	20.00	10.76	16.20	45.00
l_b,int, Bicycle LOS Score for Intersection	2.387	2.054	2.771	4.132
Bicycle LOS	B	B	C	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	27.3
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.512

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	3	101	0	0	37	0	0	0	1	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	740	69	218	562	5	27	5	8	53	7	224
Peak Hour Factor	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	194	18	57	147	1	7	1	2	14	2	59
Total Analysis Volume [veh/h]	3	774	72	228	588	5	28	5	8	55	7	234
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	29	0	21	40	0	10	24	0	16	30	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	97	97	97	97	97	97	97	97	97	97	97	97
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	1	41	41	14	54	54	3	15	15	5	16	16
g / C, Green / Cycle	0.01	0.42	0.42	0.15	0.56	0.56	0.03	0.15	0.15	0.05	0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.00	0.23	0.23	0.13	0.16	0.16	0.02	0.00	0.00	0.03	0.00	0.14
s, saturation flow rate [veh/h]	1810	1900	1844	1810	1900	1894	1810	1900	1615	1810	1900	1615
c, Capacity [veh/h]	10	792	769	263	1058	1054	60	288	245	89	318	270
d1, Uniform Delay [s]	48.03	21.29	21.30	40.54	11.30	11.30	46.04	35.00	35.09	45.24	33.75	39.32
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	14.81	2.65	2.73	8.46	0.66	0.67	5.51	0.02	0.05	6.89	0.03	8.18
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.29	0.54	0.54	0.87	0.28	0.28	0.47	0.02	0.03	0.62	0.02	0.87
d, Delay for Lane Group [s/veh]	62.84	23.94	24.03	49.00	11.96	11.96	51.56	35.03	35.14	52.13	33.78	47.51
Lane Group LOS	E	C	C	D	B	B	D	D	D	D	C	D
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.11	7.18	6.99	5.64	3.05	3.05	0.73	0.10	0.16	1.42	0.14	5.78
50th-Percentile Queue Length [ft/ln]	2.79	179.53	174.76	140.93	76.37	76.17	18.29	2.47	3.97	35.55	3.38	144.51
95th-Percentile Queue Length [veh/ln]	0.20	11.58	11.33	9.53	5.50	5.48	1.32	0.18	0.29	2.56	0.24	9.72
95th-Percentile Queue Length [ft/ln]	5.02	289.40	283.16	238.27	137.47	137.10	32.93	4.44	7.14	63.99	6.08	243.09

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	62.84	23.98	24.03	49.00	11.96	11.96	51.56	35.03	35.14	52.13	33.78	47.51
Movement LOS	E	C	C	D	B	B	D	D	D	D	C	D
d_A, Approach Delay [s/veh]	24.12			22.25			46.34			48.04		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	27.34											
Intersection LOS	C											
Intersection V/C	0.512											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	39.92	39.92	39.92	39.92
l_p,int, Pedestrian LOS Score for Intersection	2.793	2.909	2.321	2.481
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	515	742	412	536
d_b, Bicycle Delay [s]	26.72	19.18	30.56	25.98
l_b,int, Bicycle LOS Score for Intersection	2.260	2.237	1.593	1.804
Bicycle LOS	B	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	32.1
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.587

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	327	39	75	285	123	103	477	48	37	339	46
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	38	0	0	0	3	0	0	6	104
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	334	40	115	291	125	105	490	49	38	352	151
Peak Hour Factor	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	85	10	29	74	32	27	125	13	10	90	39
Total Analysis Volume [veh/h]	40	342	41	118	298	128	107	501	50	39	360	154
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	31	0	13	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	34	7	38	49	7	29	4	26	37
g / C, Green / Cycle	0.04	0.38	0.08	0.42	0.54	0.08	0.32	0.04	0.28	0.41
(v / s)_i Volume / Saturation Flow Rate	0.02	0.21	0.07	0.16	0.08	0.06	0.29	0.02	0.19	0.10
s, saturation flow rate [veh/h]	1810	1865	1810	1900	1615	1810	1870	1810	1900	1615
c, Capacity [veh/h]	78	708	150	798	872	137	593	77	539	664
d1, Uniform Delay [s]	42.15	21.78	40.47	17.95	10.34	40.87	29.76	42.18	28.49	17.25
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.29	0.11	0.12	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.20	2.95	8.67	1.34	0.35	9.31	15.64	5.16	1.58	0.18
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.52	0.54	0.79	0.37	0.15	0.78	0.93	0.51	0.67	0.23
d, Delay for Lane Group [s/veh]	47.35	24.73	49.14	19.29	10.69	50.18	45.40	47.34	30.07	17.42
Lane Group LOS	D	C	D	B	B	D	D	D	C	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.94	6.22	2.78	4.07	1.15	2.55	12.95	0.91	6.51	1.89
50th-Percentile Queue Length [ft/ln]	23.40	155.44	69.44	101.85	28.87	63.78	323.77	22.83	162.72	47.37
95th-Percentile Queue Length [veh/ln]	1.68	10.31	5.00	7.33	2.08	4.59	18.85	1.64	10.69	3.41
95th-Percentile Queue Length [ft/ln]	42.12	257.67	124.99	183.32	51.97	114.81	471.32	41.09	267.33	85.26

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.35	24.73	24.73	49.14	19.29	10.69	50.18	45.40	45.40	47.34	30.07	17.42
Movement LOS	D	C	C	D	B	B	D	D	D	D	C	B
d_A, Approach Delay [s/veh]	26.87			23.74			46.18			27.77		
Approach LOS	C			C			D			C		
d_I, Intersection Delay [s/veh]	32.15											
Intersection LOS	C											
Intersection V/C	0.587											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.380	2.674	2.584	2.696
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	600	667	711	667
d_b, Bicycle Delay [s]	22.05	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.258	2.457	2.645	2.472
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	27.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.585

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	546	415	0	0	502	204	0	0	0	649	6	280
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	11	3	0	0	1	0	0	0	0	4	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	568	426	0	0	513	208	0	0	0	666	6	286
Peak Hour Factor	0.9660	0.9660	1.0000	1.0000	0.9660	0.9660	1.0000	1.0000	1.0000	0.9660	0.9660	0.9660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	147	110	0	0	133	54	0	0	0	172	2	74
Total Analysis Volume [veh/h]	588	441	0	0	531	215	0	0	0	689	6	296
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	31	54	0	0	23	0	0	0	0	0	36	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	60	39	39		22	22	22
g / C, Green / Cycle	0.20	0.67	0.43	0.43		0.24	0.24	0.24
(v / s)_i Volume / Saturation Flow Rate	0.17	0.12	0.20	0.22		0.18	0.20	0.18
s, saturation flow rate [veh/h]	3514	3618	1900	1725		1810	1811	1615
c, Capacity [veh/h]	699	2431	814	739		433	433	386
d1, Uniform Delay [s]	34.68	5.52	18.29	18.75		31.87	32.62	31.89
k, delay calibration	0.11	0.50	0.50	0.50		0.11	0.13	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	2.83	0.16	1.85	2.45		2.82	5.50	3.20
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.84	0.18	0.46	0.50		0.76	0.84	0.77
d, Delay for Lane Group [s/veh]	37.51	5.68	20.14	21.21		34.69	38.12	35.10
Lane Group LOS	D	A	C	C		C	D	D
Critical Lane Group	Yes	No	No	Yes		No	Yes	No
50th-Percentile Queue Length [veh/ln]	6.01	1.16	5.28	5.49		6.50	7.62	5.86
50th-Percentile Queue Length [ft/ln]	150.22	29.03	132.11	137.32		162.38	190.45	146.62
95th-Percentile Queue Length [veh/ln]	10.03	2.09	9.05	9.34		10.67	12.14	9.84
95th-Percentile Queue Length [ft/ln]	250.72	52.25	226.35	233.40		266.87	303.61	245.91

Movement, Approach, & Intersection Results

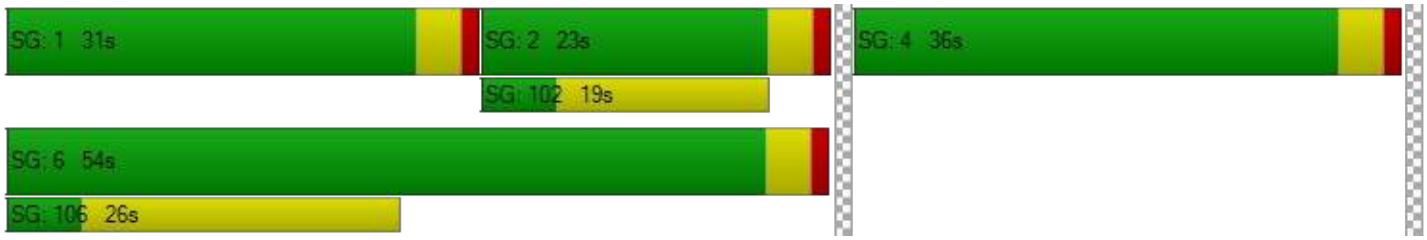
d_M, Delay for Movement [s/veh]	37.51	5.68	0.00	0.00	20.46	21.21	0.00	0.00	0.00	36.47	38.12	35.10
Movement LOS	D	A			C	C				D	D	D
d_A, Approach Delay [s/veh]	23.87			20.67			0.00			36.07		
Approach LOS	C			C			A			D		
d_I, Intersection Delay [s/veh]	27.38											
Intersection LOS	C											
Intersection V/C	0.585											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.111	2.478
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1111	422	0	711
d_b, Bicycle Delay [s]	8.89	28.01	45.00	18.69
l_b,int, Bicycle LOS Score for Intersection	2.409	2.175	4.132	3.195
Bicycle LOS	B	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	22.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.717

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	719	660	250	824	0	226	1	574	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	14	9	0	5	0	0	0	4	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	747	682	255	845	0	231	1	589	0	0	0
Peak Hour Factor	1.0000	0.9450	0.9450	0.9450	0.9450	1.0000	0.9450	0.9450	0.9450	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	198	180	67	224	0	61	0	156	0	0	0
Total Analysis Volume [veh/h]	0	790	722	270	894	0	244	1	623	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	37	0	13	50	0	0	40	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	48	48	9	61	21	21	21	
g / C, Green / Cycle	0.54	0.54	0.10	0.68	0.23	0.23	0.23	
(v / s)_i Volume / Saturation Flow Rate	0.22	0.45	0.08	0.25	0.13	0.19	0.19	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1616	1615	
c, Capacity [veh/h]	1942	867	343	2456	420	375	375	
d1, Uniform Delay [s]	12.34	17.45	39.70	6.16	30.66	32.88	32.88	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	0.63	9.20	4.05	0.42	1.27	4.81	4.82	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.41	0.83	0.79	0.36	0.58	0.83	0.83	
d, Delay for Lane Group [s/veh]	12.98	26.65	43.75	6.58	31.94	37.69	37.70	
Lane Group LOS	B	C	D	A	C	D	D	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	4.09	12.35	2.94	2.64	4.50	6.47	6.47	
50th-Percentile Queue Length [ft/ln]	102.33	308.76	73.44	66.11	112.46	161.66	161.65	
95th-Percentile Queue Length [veh/ln]	7.37	18.11	5.29	4.76	7.98	10.64	10.64	
95th-Percentile Queue Length [ft/ln]	184.19	452.84	132.18	118.99	199.42	265.91	265.91	

Movement, Approach, & Intersection Results

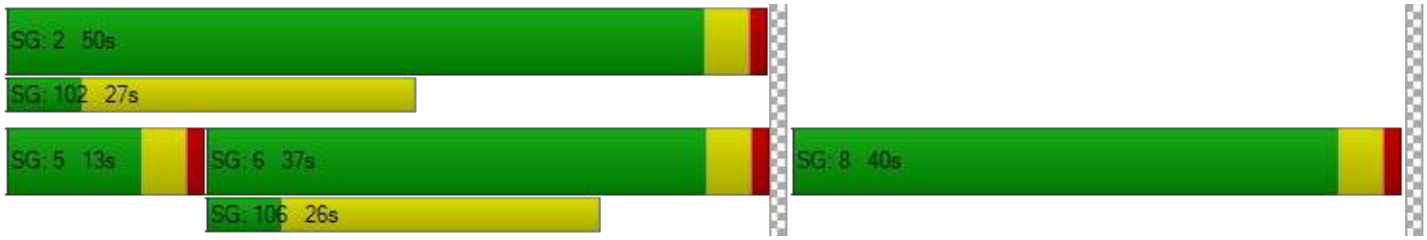
d_M, Delay for Movement [s/veh]	0.00	12.98	26.65	43.75	6.58	0.00	31.94	37.69	37.70	0.00	0.00	0.00
Movement LOS		B	C	D	A		C	D	D			
d_A, Approach Delay [s/veh]	19.51			15.20			36.08			0.00		
Approach LOS	B			B			D			A		
d_I, Intersection Delay [s/veh]	22.15											
Intersection LOS	C											
Intersection V/C	0.717											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.412	2.200
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	733	1022	800	0
d_b, Bicycle Delay [s]	18.05	10.76	16.20	45.00
l_b,int, Bicycle LOS Score for Intersection	2.807	2.520	2.992	4.132
Bicycle LOS	C	B	C	D

Sequence

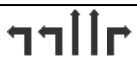
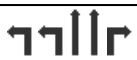
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	23.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.578

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	115	678	41	245	591	565	471	181	124	37	151	226
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	23	6	0	9	0	0	0	0	2	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	117	715	48	250	612	576	480	185	126	40	154	231
Peak Hour Factor	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	180	12	63	154	145	121	47	32	10	39	58
Total Analysis Volume [veh/h]	118	721	48	252	617	581	484	186	127	40	155	233
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	10	29	29	12	31	31	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	6	43	51	8	45	65	16	19	29	4	7	19
g / C, Green / Cycle	0.07	0.48	0.57	0.09	0.50	0.73	0.18	0.21	0.32	0.04	0.07	0.21
(v / s)_i Volume / Saturation Flow Rate	0.03	0.20	0.03	0.07	0.17	0.36	0.14	0.05	0.08	0.01	0.04	0.14
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	234	1742	918	312	1822	1172	624	758	518	149	269	335
d1, Uniform Delay [s]	40.56	15.11	8.65	40.24	13.36	5.29	35.30	29.64	22.54	41.75	40.29	33.02
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.67	0.73	0.11	4.92	0.50	1.50	2.11	0.17	0.24	0.96	1.95	2.59
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.50	0.41	0.05	0.81	0.34	0.50	0.78	0.25	0.25	0.27	0.58	0.69
d, Delay for Lane Group [s/veh]	42.24	15.84	8.75	45.16	13.87	6.79	37.41	29.81	22.79	42.70	42.24	35.61
Lane Group LOS	D	B	A	D	B	A	D	C	C	D	D	D
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.25	4.30	0.37	2.79	3.32	3.26	4.89	1.59	1.86	0.43	1.64	4.61
50th-Percentile Queue Length [ft/ln]	31.19	107.38	9.32	69.76	83.09	81.38	122.27	39.63	46.40	10.69	41.02	115.16
95th-Percentile Queue Length [veh/ln]	2.25	7.69	0.67	5.02	5.98	5.86	8.52	2.85	3.34	0.77	2.95	8.13
95th-Percentile Queue Length [ft/ln]	56.13	192.35	16.78	125.56	149.57	146.49	212.94	71.33	83.52	19.24	73.84	203.16

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.24	15.84	8.75	45.16	13.87	6.79	37.41	29.81	22.79	42.70	42.24	35.61
Movement LOS	D	B	A	D	B	A	D	C	C	D	D	D
d_A, Approach Delay [s/veh]	18.97			16.47			33.30			38.67		
Approach LOS	B			B			C			D		
d_I, Intersection Delay [s/veh]	23.53											
Intersection LOS	C											
Intersection V/C	0.578											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.983	3.266	2.979	2.808
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	600	778	556
d_b, Bicycle Delay [s]	23.47	22.05	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.291	2.756	2.217	1.913
Bicycle LOS	B	C	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	73.8
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.038

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	20	0	7	4	0	0	0	0	0	0	9
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	773	6	150	691	2	2	0	5	6	1	146
Peak Hour Factor	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	208	2	40	186	1	1	0	1	2	0	39
Total Analysis Volume [veh/h]	4	832	6	161	744	2	2	0	5	6	1	157
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.20	0.01	0.00	0.04	0.00	0.01	0.09	0.02	0.27
d_M, Delay for Movement [s/veh]	9.15	0.00	0.00	10.59	0.00	0.00	73.84	71.93	11.83	63.53	73.20	13.69
Movement LOS	A	A	A	B	A	A	F	F	B	F	F	B
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.74	0.00	0.00	0.14	0.14	0.14	0.28	1.17	1.17
95th-Percentile Queue Length [ft/ln]	0.35	0.00	0.00	18.58	0.00	0.00	3.55	3.55	3.55	7.06	29.21	29.21
d_A, Approach Delay [s/veh]	0.04			1.88			29.54			15.87		
Approach LOS	A			A			D			C		
d_I, Intersection Delay [s/veh]	2.37											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	33.1
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.455

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	129	593	106	76	530	77	139	392	151	86	351	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	2	4	0	0	0	41	0	6	110	20
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	132	605	110	82	541	79	142	441	154	94	468	76
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	156	28	21	139	20	37	114	40	24	121	20
Total Analysis Volume [veh/h]	136	624	113	85	558	81	146	455	159	97	482	78
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	35	0	13	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	21	21	5	20	20	7	42	42	6	41	41
g / C, Green / Cycle	0.06	0.23	0.23	0.06	0.22	0.22	0.08	0.46	0.46	0.07	0.46	0.46
(v / s)_i Volume / Saturation Flow Rate	0.04	0.20	0.20	0.02	0.17	0.17	0.08	0.17	0.17	0.05	0.15	0.15
s, saturation flow rate [veh/h]	3514	1900	1800	3514	1900	1817	1810	1900	1734	1810	1900	1809
c, Capacity [veh/h]	227	437	414	207	426	407	141	882	805	126	866	824
d1, Uniform Delay [s]	40.97	33.33	33.34	40.84	32.69	32.71	41.50	15.55	15.56	41.18	15.70	15.71
k, delay calibration	0.11	0.16	0.16	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.54	7.40	7.81	1.30	2.90	3.07	45.29	1.16	1.28	9.60	1.02	1.08
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.60	0.87	0.87	0.41	0.77	0.77	1.04	0.36	0.36	0.77	0.33	0.33
d, Delay for Lane Group [s/veh]	43.50	40.73	41.14	42.14	35.60	35.78	86.79	16.71	16.84	50.78	16.72	16.79
Lane Group LOS	D	D	D	D	D	D	F	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.47	8.21	7.83	0.90	6.49	6.25	4.71	3.98	3.67	2.33	3.55	3.41
50th-Percentile Queue Length [ft/ln]	36.65	205.18	195.66	22.42	162.29	156.18	117.76	99.41	91.83	58.30	88.70	85.27
95th-Percentile Queue Length [veh/ln]	2.64	12.91	12.41	1.61	10.67	10.35	8.37	7.16	6.61	4.20	6.39	6.14
95th-Percentile Queue Length [ft/ln]	65.97	322.64	310.36	40.36	266.76	258.65	209.21	178.95	165.30	104.93	159.67	153.48

Movement, Approach, & Intersection Results

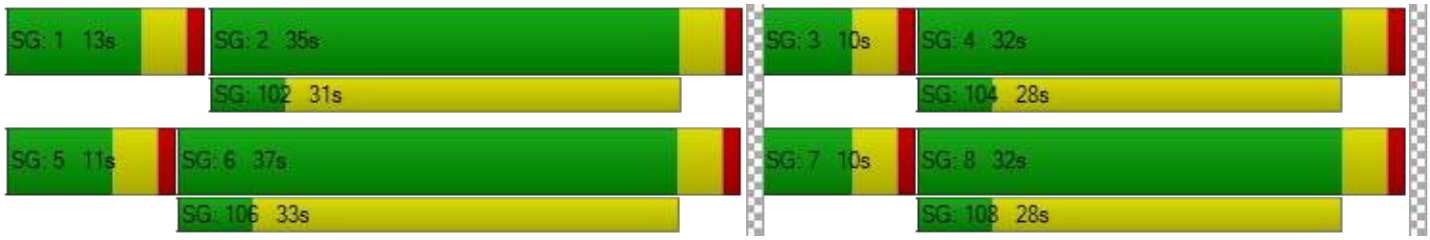
d_M, Delay for Movement [s/veh]	43.50	40.89	41.14	42.14	35.67	35.78	86.79	16.75	16.84	50.78	16.75	16.79
Movement LOS	D	D	D	D	D	D	F	B	B	D	B	B
d_A, Approach Delay [s/veh]	41.33			36.44			30.22			21.78		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	33.09											
Intersection LOS	C											
Intersection V/C	0.455											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.911	2.880	2.776	2.727
Crosswalk LOS	C	C	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	689	733
d_b, Bicycle Delay [s]	21.36	21.36	19.34	18.05
l_b,int, Bicycle LOS Score for Intersection	2.280	2.157	2.187	2.102
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	24.7
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.409

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

Volumes

Name						
Base Volume Input [veh/h]	120	49	30	561	459	114
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	0	0	47	136	9
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	129	50	31	619	604	125
Peak Hour Factor	0.9520	0.9520	0.9520	0.9520	0.9520	0.9520
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	13	8	163	159	33
Total Analysis Volume [veh/h]	136	53	33	650	634	131
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.41	0.09	0.04	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	24.68	19.65	9.37	0.00	0.00	0.00
Movement LOS	C	C	A	A	A	A
95th-Percentile Queue Length [veh/ln]	2.64	2.64	0.12	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	66.07	66.07	3.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	23.27		0.45		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	2.88					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	28.6
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.435

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	92	378	90	89	247	53	68	505	81	102	399	76
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	2	0	0	0	0	0	0	6	6	0	2	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	94	386	92	91	252	53	68	511	87	104	401	78
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	26	105	25	25	68	14	18	139	24	28	109	21
Total Analysis Volume [veh/h]	102	420	100	99	274	58	74	555	95	113	436	85
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	17	38	0	10	31	0	11	31	0	11	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	7	16	16	6	15	15	5	45	45	7	47	47
g / C, Green / Cycle	0.07	0.17	0.17	0.07	0.17	0.17	0.06	0.51	0.51	0.08	0.53	0.53
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.14	0.05	0.09	0.09	0.04	0.18	0.18	0.06	0.14	0.14
s, saturation flow rate [veh/h]	1810	1900	1776	1810	1900	1787	1810	1900	1805	1810	1900	1794
c, Capacity [veh/h]	132	329	307	121	316	298	102	959	911	141	999	944
d1, Uniform Delay [s]	40.96	35.82	35.87	41.47	34.32	34.38	41.76	13.38	13.39	40.82	11.77	11.78
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	9.05	4.89	5.44	12.74	1.41	1.56	9.26	0.99	1.05	10.10	0.66	0.70
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.81	0.82	0.82	0.54	0.55	0.72	0.35	0.35	0.80	0.27	0.27
d, Delay for Lane Group [s/veh]	50.01	40.71	41.31	54.21	35.73	35.94	51.03	14.38	14.45	50.93	12.42	12.48
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.48	5.85	5.57	2.52	3.38	3.26	1.79	3.72	3.57	2.72	2.68	2.56
50th-Percentile Queue Length [ft/ln]	61.94	146.32	139.19	63.03	84.55	81.43	44.77	93.11	89.13	67.92	67.00	64.03
95th-Percentile Queue Length [veh/ln]	4.46	9.82	9.44	4.54	6.09	5.86	3.22	6.70	6.42	4.89	4.82	4.61
95th-Percentile Queue Length [ft/ln]	111.50	245.51	235.93	113.45	152.19	146.57	80.58	167.60	160.44	122.25	120.60	115.25

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	50.01	40.92	41.31	54.21	35.81	35.94	51.03	14.40	14.45	50.93	12.44	12.48
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.48			40.06			18.15			19.31		
Approach LOS	D			D			B			B		
d_I, Intersection Delay [s/veh]	28.65											
Intersection LOS	C											
Intersection V/C	0.435											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.588	2.564	2.730	2.752
Crosswalk LOS	B	B	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	600	600	600
d_b, Bicycle Delay [s]	17.42	22.05	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.073	1.915	2.157	2.083
Bicycle LOS	B	A	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 12: Base Line Rd at Project Dwy 1

Control Type:	Two-way stop	Delay (sec / veh):	10.7
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.031

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	1	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	654	561	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	35	0	54	110	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	-15	0	0	16	1
Other Volume [veh/h]	0	0	0	0	7	0
Total Hourly Volume [veh/h]	0	20	0	721	705	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	5	0	180	176	0
Total Analysis Volume [veh/h]	0	20	0	721	705	1
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.03	0.00	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	0.00	10.72	0.00	0.00	0.00	0.00
Movement LOS		B		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.10	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	2.38	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	10.72		0.00		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	0.15					
Intersection LOS	B					

Intersection Level Of Service Report
Intersection 13: Base Line Rd at Project Dwy 2

Control Type:	Signalized	Delay (sec / veh):	7.4
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.266

Intersection Setup

Name							
Approach	Southbound		Eastbound			Westbound	
Lane Configuration							
Turning Movement	Left	Right	U-turn	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00			30.00	
Grade [%]	0.00		0.00			0.00	
Curb Present	No		No			No	
Crosswalk	Yes		No			No	

Volumes

Name							
Base Volume Input [veh/h]	0	0	9	0	654	552	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	12	101	0	54	0	9	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	-1	14	0	0	0	3	1
Other Volume [veh/h]	0	0	0	0	0	10	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	11	115	9	54	667	585	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	29	2	14	167	146	0
Total Analysis Volume [veh/h]	11	115	9	54	667	585	1
Presence of On-Street Parking	No	No	No		No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0		0			0	
v_di, Inbound Pedestrian Volume crossing m	0		0			0	
v_co, Outbound Pedestrian Volume crossing	0		0			0	
v_ci, Inbound Pedestrian Volume crossing mi	0		0			0	
v_ab, Corner Pedestrian Volume [ped/h]	0		0			0	
Bicycle Volume [bicycles/h]	0		0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Protected	Permissive	Permissive	Permissive
Signal Group	7	0	0	1	2	6	0
Auxiliary Signal Groups							
Lead / Lag	Lead	-	-	Lead	-	-	-
Minimum Green [s]	6	0	0	6	6	6	0
Maximum Green [s]	30	0	0	30	30	30	0
Amber [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
All red [s]	1.0	0.0	0.0	1.0	1.0	1.0	0.0
Split [s]	22	0	0	10	38	28	0
Vehicle Extension [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
Walk [s]	5	0	0	0	5	5	0
Pedestrian Clearance [s]	10	0	0	0	10	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk	No				No	No	
I1, Start-Up Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
Minimum Recall	No			No	No	No	
Maximum Recall	No			No	No	No	
Pedestrian Recall	No			No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	L	C	C	C
C, Cycle Length [s]	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	4	46	38	38
g / C, Green / Cycle	0.10	0.07	0.77	0.64	0.64
(v / s)_i Volume / Saturation Flow Rate	0.08	0.03	0.18	0.15	0.15
s, saturation flow rate [veh/h]	1630	1810	3618	1900	1899
c, Capacity [veh/h]	164	119	2772	1205	1204
d1, Uniform Delay [s]	26.31	27.14	2.01	4.75	4.75
k, delay calibration	0.11	0.11	0.50	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	7.38	3.65	0.21	0.48	0.48
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.53	0.24	0.24	0.24
d, Delay for Lane Group [s/veh]	33.69	30.79	2.22	5.23	5.23
Lane Group LOS	C	C	A	A	A
Critical Lane Group	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.99	0.95	0.49	1.27	1.27
50th-Percentile Queue Length [ft/ln]	49.79	23.72	12.15	31.67	31.68
95th-Percentile Queue Length [veh/ln]	3.59	1.71	0.87	2.28	2.28
95th-Percentile Queue Length [ft/ln]	89.63	42.70	21.87	57.01	57.02

Movement, Approach, & Intersection Results

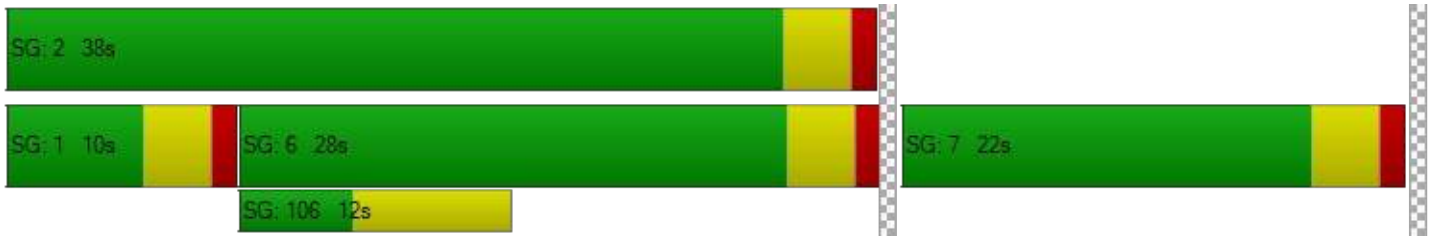
d_M, Delay for Movement [s/veh]	33.69	33.69	30.79	30.79	2.22	5.23	5.23
Movement LOS	C	C	C	C	A	A	A
d_A, Approach Delay [s/veh]	33.69		4.68			5.23	
Approach LOS	C		A			A	
d_I, Intersection Delay [s/veh]	7.44						
Intersection LOS	A						
Intersection V/C	0.266						

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	0.0	0.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	0.00	0.00
l_p,int, Pedestrian LOS Score for Intersection	1.784	0.000	0.000
Crosswalk LOS	A	F	F
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	600	1133	800
d_b, Bicycle Delay [s]	14.70	5.63	10.80
l_b,int, Bicycle LOS Score for Intersection	1.768	2.117	2.043
Bicycle LOS	A	B	B

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 14: Base Line Rd at Project Dwy 3

Control Type:	Two-way stop	Delay (sec / veh):	10.0
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.015

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	646	543	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	9	0	12	0	4
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	2	0	-1	2	-2
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	11	0	670	556	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	3	0	168	139	1
Total Analysis Volume [veh/h]	0	11	0	670	556	2
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.02	0.00	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	0.00	10.05	0.00	0.00	0.00	0.00
Movement LOS		B		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.05	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	1.16	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	10.05		0.00		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	0.09					
Intersection LOS	B					

Rialto Olive Avenue Development

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Scenario 4 OY 2020 CUM AM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	WB Left	1.235	146.5	F
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	NB Right	1.206	147.6	F
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	SB Left	1.088	112.5	F
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.554	30.0	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	SB Right	0.801	35.7	D
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	EB Right	0.906	40.3	D
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	WB Left	0.657	26.2	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.043	83.8	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	NB Left	0.659	53.9	D
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.233	19.0	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	NB Left	0.471	30.4	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	146.5
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.235

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	433	551	0	0	412	144	0	0	0	450	0	90
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	706	956	0	0	644	583	0	0	0	700	2	349
Peak Hour Factor	0.9340	0.9340	1.0000	1.0000	0.9340	0.9340	1.0000	1.0000	1.0000	0.9340	0.9340	0.9340
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	189	256	0	0	172	156	0	0	0	187	1	93
Total Analysis Volume [veh/h]	756	1024	0	0	690	624	0	0	0	749	2	374
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	31	63	0	0	32	0	0	0	0	0	27	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	27	59	28	28		23	23
g / C, Green / Cycle	0.30	0.66	0.31	0.31		0.26	0.26
(v / s)_i Volume / Saturation Flow Rate	0.42	0.28	0.35	0.40		0.41	0.23
s, saturation flow rate [veh/h]	1810	3618	1900	1627		1810	1616
c, Capacity [veh/h]	543	2372	591	506		462	413
d1, Uniform Delay [s]	31.50	7.45	31.00	31.00		33.50	32.50
k, delay calibration	0.50	0.50	0.50	0.50		0.50	0.23
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	187.75	0.58	71.47	148.02		288.69	14.81
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	1.39	0.43	1.11	1.30		1.62	0.91
d, Delay for Lane Group [s/veh]	219.25	8.02	102.47	179.02		322.19	47.31
Lane Group LOS	F	A	F	F		F	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	38.94	3.63	23.26	30.68		46.29	8.96
50th-Percentile Queue Length [ft/ln]	973.55	90.76	581.46	767.11		1157.20	224.01
95th-Percentile Queue Length [veh/ln]	58.80	6.53	33.30	46.10		71.61	13.87
95th-Percentile Queue Length [ft/ln]	1469.90	163.37	832.60	1152.43		1790.24	346.74

Movement, Approach, & Intersection Results

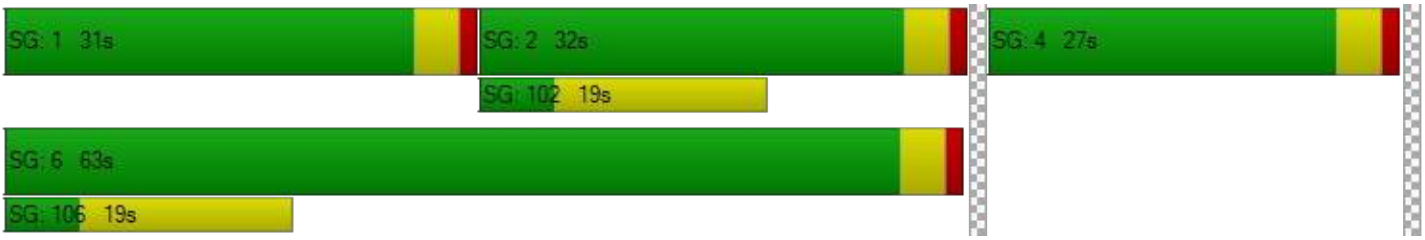
d_M, Delay for Movement [s/veh]	219.25	8.02	0.00	0.00	106.13	179.02	0.00	0.00	0.00	322.19	47.31	47.31
Movement LOS	F	A			F	F				F	D	D
d_A, Approach Delay [s/veh]	97.74			140.74			0.00			230.32		
Approach LOS	F			F			A			F		
d_I, Intersection Delay [s/veh]	146.48											
Intersection LOS	F											
Intersection V/C	1.235											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.772	2.630
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1311	622	0	511
d_b, Bicycle Delay [s]	5.34	21.36	45.00	24.94
l_b,int, Bicycle LOS Score for Intersection	3.028	2.644	4.132	3.416
Bicycle LOS	C	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	147.6
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.206

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	748	189	99	580	0	235	0	390	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	1107	408	291	879	0	558	2	780	0	0	0
Peak Hour Factor	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	309	114	81	245	0	156	1	218	0	0	0
Total Analysis Volume [veh/h]	0	1235	455	325	981	0	623	2	871	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	33	0	16	49	0	0	41	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	29	29	12	45	37	37	
g / C, Green / Cycle	0.32	0.32	0.13	0.50	0.41	0.41	
(v / s)_i Volume / Saturation Flow Rate	0.44	0.49	0.18	0.27	0.35	0.54	
s, saturation flow rate [veh/h]	1900	1735	1810	3618	1810	1615	
c, Capacity [veh/h]	612	559	241	1809	744	664	
d1, Uniform Delay [s]	30.50	30.50	39.00	15.44	23.84	26.50	
k, delay calibration	0.50	0.50	0.11	0.50	0.34	0.50	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	181.18	239.27	162.41	1.17	7.81	150.94	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	1.38	1.51	1.35	0.54	0.84	1.31	
d, Delay for Lane Group [s/veh]	211.68	269.77	201.41	16.61	31.65	177.44	
Lane Group LOS	F	F	F	B	C	F	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	42.69	48.01	15.86	6.15	12.05	40.16	
50th-Percentile Queue Length [ft/ln]	1067.27	1200.20	396.51	153.86	301.22	1004.00	
95th-Percentile Queue Length [veh/ln]	63.98	73.67	25.15	10.22	17.74	59.94	
95th-Percentile Queue Length [ft/ln]	1599.42	1841.64	628.75	255.58	443.53	1498.58	

Movement, Approach, & Intersection Results

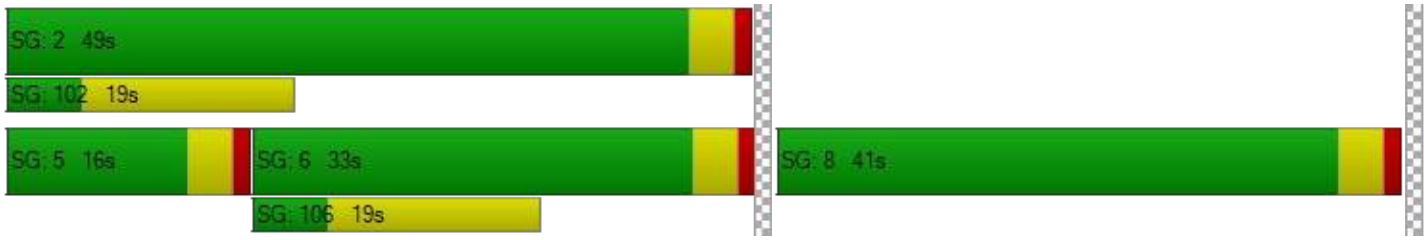
d_M, Delay for Movement [s/veh]	0.00	230.02	269.77	201.41	16.61	0.00	31.65	31.65	177.44	0.00	0.00	0.00
Movement LOS		F	F	F	B		C	C	F			
d_A, Approach Delay [s/veh]	240.72			62.60			116.53			0.00		
Approach LOS	F			E			F			A		
d_I, Intersection Delay [s/veh]	147.57											
Intersection LOS	F											
Intersection V/C	1.206											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.932	2.187
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	644	1000	822	0
d_b, Bicycle Delay [s]	20.67	11.25	15.61	45.00
l_b,int, Bicycle LOS Score for Intersection	2.954	2.637	4.028	4.132
Bicycle LOS	C	B	D	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	112.5
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.088

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	54	315	15	362	389	110	112	116	51	12	158	457
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	721	52	522	921	127	120	121	59	56	161	616
Peak Hour Factor	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	208	15	151	266	37	35	35	17	16	46	178
Total Analysis Volume [veh/h]	73	833	60	603	1064	147	139	140	68	65	186	711
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	34	0	33	57	0	11	35	0	18	42	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	30	30	29	53	53	7	39	39	6	38	38
g / C, Green / Cycle	0.05	0.25	0.25	0.24	0.44	0.44	0.06	0.33	0.33	0.05	0.32	0.32
(v / s)_i Volume / Saturation Flow Rate	0.04	0.24	0.24	0.33	0.32	0.33	0.08	0.06	0.06	0.04	0.10	0.44
s, saturation flow rate [veh/h]	1810	1900	1855	1810	1900	1822	1810	1900	1697	1810	1900	1615
c, Capacity [veh/h]	90	475	464	437	839	805	106	622	556	86	602	511
d1, Uniform Delay [s]	56.43	44.28	44.28	45.50	27.52	27.94	56.50	28.76	28.84	56.47	31.06	41.00
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	15.27	30.75	31.22	184.36	5.43	6.31	156.53	0.13	0.15	12.63	0.29	187.37
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.81	0.95	0.95	1.38	0.73	0.75	1.32	0.17	0.18	0.76	0.31	1.39
d, Delay for Lane Group [s/veh]	71.70	75.03	75.50	229.86	32.95	34.25	213.03	28.89	28.99	69.10	31.35	228.37
Lane Group LOS	E	E	E	F	C	C	F	C	C	E	C	F
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.50	16.63	16.30	34.78	14.54	14.74	7.71	2.17	2.04	2.20	4.01	41.00
50th-Percentile Queue Length [ft/ln]	62.60	415.70	407.46	869.62	363.50	368.53	192.71	54.23	50.89	55.07	100.24	1024.91
95th-Percentile Queue Length [veh/ln]	4.51	23.32	22.92	52.27	20.79	21.04	13.22	3.90	3.66	3.96	7.22	61.77
95th-Percentile Queue Length [ft/ln]	112.69	582.89	572.98	1306.80	519.84	525.95	330.47	97.61	91.60	99.12	180.43	1544.15

Movement, Approach, & Intersection Results

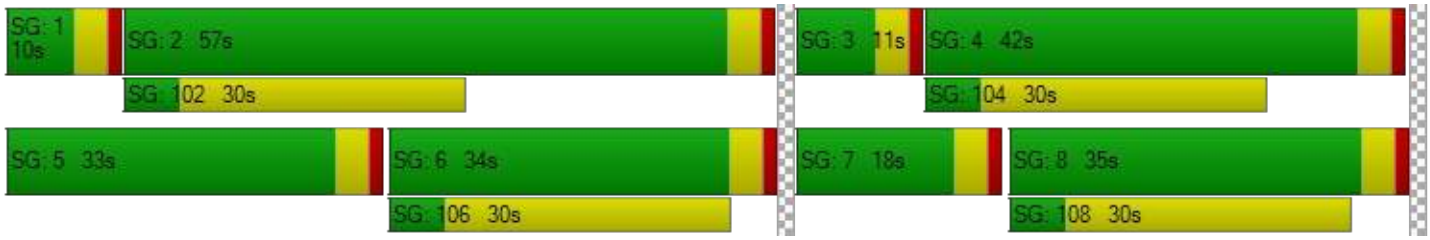
d_M, Delay for Movement [s/veh]	71.70	75.25	75.50	229.86	33.51	34.25	213.03	28.91	28.99	69.10	31.35	228.37
Movement LOS	E	E	E	F	C	C	F	C	C	E	C	F
d_A, Approach Delay [s/veh]	74.99			98.84			102.68			179.51		
Approach LOS	E			F			F			F		
d_I, Intersection Delay [s/veh]	112.51											
Intersection LOS	F											
Intersection V/C	1.088											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	51.34	51.34	51.34	51.34
l_p,int, Pedestrian LOS Score for Intersection	3.018	3.452	2.535	2.831
Crosswalk LOS	C	C	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	500	883	517	633
d_b, Bicycle Delay [s]	33.75	18.70	33.00	28.02
l_b,int, Bicycle LOS Score for Intersection	2.357	3.056	1.846	2.353
Bicycle LOS	B	C	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	30.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.554

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	184	12	34	212	93	83	259	29	19	237	80
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	82	45	118	191	86	26	101	0	13	33	57
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	270	57	153	407	181	111	365	30	32	275	139
Peak Hour Factor	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	76	16	43	115	51	31	103	8	9	78	39
Total Analysis Volume [veh/h]	44	305	64	173	460	205	125	412	34	36	311	157
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	29	0	15	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	36	10	43	55	8	24	4	19	34
g / C, Green / Cycle	0.04	0.41	0.11	0.48	0.61	0.09	0.26	0.04	0.22	0.38
(v / s)_i Volume / Saturation Flow Rate	0.02	0.20	0.10	0.24	0.13	0.07	0.24	0.02	0.16	0.10
s, saturation flow rate [veh/h]	1810	1844	1810	1900	1615	1810	1875	1810	1900	1615
c, Capacity [veh/h]	82	745	208	901	977	156	492	73	412	607
d1, Uniform Delay [s]	42.05	19.96	38.97	16.41	8.05	40.36	32.12	42.28	33.02	19.40
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.18	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.41	2.34	8.29	2.06	0.49	9.12	10.20	5.05	2.85	0.22
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.50	0.83	0.51	0.21	0.80	0.91	0.49	0.76	0.26
d, Delay for Lane Group [s/veh]	47.46	22.30	47.26	18.48	8.54	49.48	42.32	47.32	35.87	19.62
Lane Group LOS	D	C	D	B	A	D	D	D	D	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.03	5.60	3.99	6.18	1.56	2.95	9.97	0.84	6.20	2.09
50th-Percentile Queue Length [ft/ln]	25.72	139.91	99.65	154.42	38.89	73.84	249.23	21.12	155.10	52.34
95th-Percentile Queue Length [veh/ln]	1.85	9.48	7.18	10.25	2.80	5.32	15.15	1.52	10.29	3.77
95th-Percentile Queue Length [ft/ln]	46.29	236.90	179.38	256.32	70.01	132.91	378.69	38.01	257.22	94.21

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.46	22.30	22.30	47.26	18.48	8.54	49.48	42.32	42.32	47.32	35.87	19.62
Movement LOS	D	C	C	D	B	A	D	D	D	D	D	B
d_A, Approach Delay [s/veh]	24.98			21.99			43.89			31.63		
Approach LOS	C			C			D			C		
d_I, Intersection Delay [s/veh]	29.98											
Intersection LOS	C											
Intersection V/C	0.554											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.452	2.764	2.554	2.676
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	667	711	667
d_b, Bicycle Delay [s]	23.47	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.241	2.942	2.502	2.391
Bicycle LOS	B	C	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	35.7
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.801

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	534	341	0	0	502	287	0	0	0	451	3	225
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	72	205	0	0	259	122	0	0	0	213	0	224
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	617	553	0	0	771	415	0	0	0	673	3	454
Peak Hour Factor	0.9480	0.9480	1.0000	1.0000	0.9480	0.9480	1.0000	1.0000	1.0000	0.9480	0.9480	0.9480
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	163	146	0	0	203	109	0	0	0	177	1	120
Total Analysis Volume [veh/h]	651	583	0	0	813	438	0	0	0	710	3	479
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	22	61	0	0	39	0	0	0	0	0	29	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	58	36	36		24	24	24
g / C, Green / Cycle	0.20	0.64	0.40	0.40		0.27	0.27	0.27
(v / s)_i Volume / Saturation Flow Rate	0.19	0.16	0.33	0.37		0.22	0.22	0.25
s, saturation flow rate [veh/h]	3514	3618	1900	1691		1810	1766	1615
c, Capacity [veh/h]	703	2320	754	671		488	477	436
d1, Uniform Delay [s]	35.35	6.91	24.41	25.99		30.73	30.95	31.81
k, delay calibration	0.11	0.50	0.50	0.50		0.20	0.21	0.26
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	5.90	0.26	10.27	21.62		6.00	7.29	15.75
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.93	0.25	0.83	0.93		0.81	0.83	0.91
d, Delay for Lane Group [s/veh]	41.25	7.17	34.68	47.61		36.74	38.24	47.56
Lane Group LOS	D	A	C	D		D	D	D
Critical Lane Group	Yes	No	No	Yes		No	No	Yes
50th-Percentile Queue Length [veh/ln]	7.05	1.88	12.66	15.21		8.19	8.39	9.54
50th-Percentile Queue Length [ft/ln]	176.28	46.88	316.39	380.33		204.69	209.74	238.46
95th-Percentile Queue Length [veh/ln]	11.41	3.38	18.49	21.61		12.88	13.14	14.60
95th-Percentile Queue Length [ft/ln]	285.15	84.39	462.24	540.25		322.00	328.50	365.08

Movement, Approach, & Intersection Results

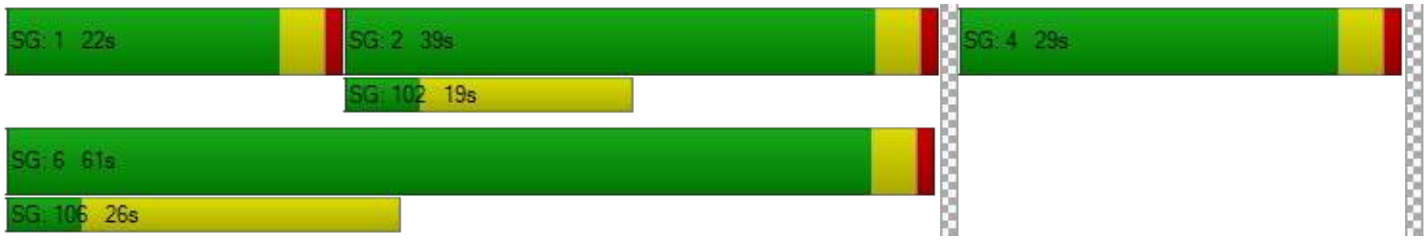
d_M, Delay for Movement [s/veh]	41.25	7.17	0.00	0.00	37.66	47.61	0.00	0.00	0.00	37.40	38.24	45.97
Movement LOS	D	A			D	D				D	D	D
d_A, Approach Delay [s/veh]	25.15			41.15			0.00			40.84		
Approach LOS	C			D			A			D		
d_I, Intersection Delay [s/veh]	35.68											
Intersection LOS	D											
Intersection V/C	0.801											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.249	2.587
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1267	778	0	556
d_b, Bicycle Delay [s]	6.05	16.81	45.00	23.47
l_b,int, Bicycle LOS Score for Intersection	2.578	2.592	4.132	3.526
Bicycle LOS	B	B	D	D

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	40.3
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.906

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	794	445	279	683	0	124	2	543	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	179	403	141	312	0	83	0	106	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	989	857	426	1009	0	209	2	660	0	0	0
Peak Hour Factor	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	261	226	113	267	0	55	1	174	0	0	0
Total Analysis Volume [veh/h]	0	1045	906	450	1067	0	221	2	698	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	52	0	16	68	0	0	22	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	48	48	12	64	18	18	18	
g / C, Green / Cycle	0.53	0.53	0.13	0.71	0.20	0.20	0.20	
(v / s)_i Volume / Saturation Flow Rate	0.29	0.56	0.13	0.29	0.12	0.22	0.22	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1616	1615	
c, Capacity [veh/h]	1929	861	469	2573	362	323	323	
d1, Uniform Delay [s]	13.78	21.00	38.76	5.33	32.81	36.00	36.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.19	0.19	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.10	45.21	12.02	0.49	1.67	56.00	56.28	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.54	1.05	0.96	0.41	0.61	1.08	1.08	
d, Delay for Lane Group [s/veh]	14.88	66.21	50.79	5.82	34.48	92.00	92.28	
Lane Group LOS	B	F	D	A	C	F	F	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	6.08	25.35	5.39	2.77	4.25	11.58	11.59	
50th-Percentile Queue Length [ft/ln]	151.98	633.77	134.87	69.30	106.20	289.45	289.84	
95th-Percentile Queue Length [veh/ln]	10.12	34.98	9.20	4.99	7.63	17.86	17.89	
95th-Percentile Queue Length [ft/ln]	253.07	874.48	230.10	124.73	190.70	446.50	447.15	

Movement, Approach, & Intersection Results

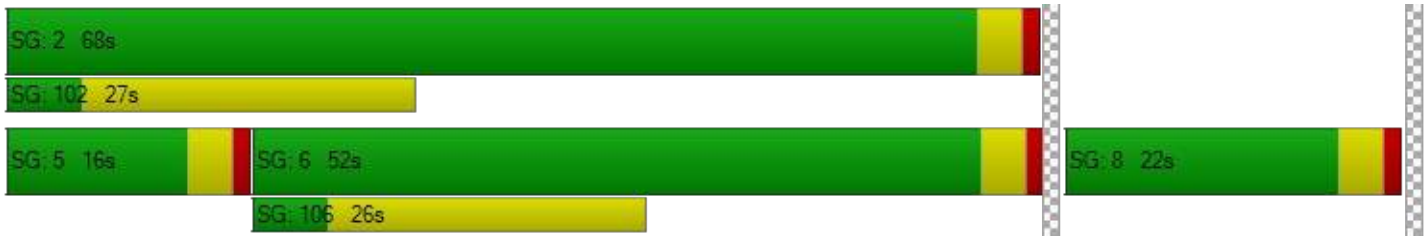
d_M, Delay for Movement [s/veh]	0.00	14.88	66.21	50.79	5.82	0.00	34.48	92.00	92.14	0.00	0.00	0.00
Movement LOS		B	F	D	A		C	F	F			
d_A, Approach Delay [s/veh]	38.72			19.16			78.30			0.00		
Approach LOS	D			B			E			A		
d_I, Intersection Delay [s/veh]	40.26											
Intersection LOS	D											
Intersection V/C	0.906											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.441	2.378
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1067	1422	400	0
d_b, Bicycle Delay [s]	9.80	3.76	28.80	45.00
l_b,int, Bicycle LOS Score for Intersection	3.169	2.811	3.079	4.132
Bicycle LOS	C	C	C	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	26.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.657

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	54	735	18	147	767	311	197	66	60	11	79	300
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	124	132	17	6	226	114	337	234	73	0	78	12
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	179	882	35	156	1008	431	538	301	134	11	159	318
Peak Hour Factor	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	47	231	9	41	264	113	141	79	35	3	42	83
Total Analysis Volume [veh/h]	188	925	37	164	1058	452	565	316	141	12	167	334
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	12	29	29	12	29	29	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	7	41	46	8	41	61	16	24	35	2	9	21
g / C, Green / Cycle	0.08	0.45	0.51	0.09	0.46	0.68	0.18	0.27	0.39	0.02	0.11	0.24
(v / s)_i Volume / Saturation Flow Rate	0.05	0.26	0.02	0.05	0.29	0.28	0.16	0.09	0.09	0.00	0.05	0.21
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	284	1628	829	312	1658	1099	625	957	629	66	382	386
d1, Uniform Delay [s]	40.18	18.28	10.91	39.18	18.67	6.38	36.25	26.68	18.37	43.47	37.75	32.87
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.17
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.65	1.44	0.10	1.37	1.89	1.14	5.25	0.20	0.18	1.30	0.79	9.02
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.66	0.57	0.04	0.53	0.64	0.41	0.90	0.33	0.22	0.18	0.44	0.87
d, Delay for Lane Group [s/veh]	42.82	19.73	11.01	40.55	20.56	7.52	41.50	26.88	18.55	44.77	38.54	41.89
Lane Group LOS	D	B	B	D	C	A	D	C	B	D	D	D
Critical Lane Group	Yes	No	No	No	Yes	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.01	6.51	0.34	1.69	7.73	2.98	6.10	2.55	1.80	0.14	1.67	7.38
50th-Percentile Queue Length [ft/ln]	50.25	162.84	8.53	42.31	193.20	74.56	152.45	63.75	44.99	3.42	41.69	184.55
95th-Percentile Queue Length [veh/ln]	3.62	10.70	0.61	3.05	12.29	5.37	10.15	4.59	3.24	0.25	3.00	11.84
95th-Percentile Queue Length [ft/ln]	90.45	267.47	15.36	76.15	307.18	134.22	253.70	114.75	80.97	6.16	75.03	295.95

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.82	19.73	11.01	40.55	20.56	7.52	41.50	26.88	18.55	44.77	38.54	41.89
Movement LOS	D	B	B	D	C	A	D	C	B	D	D	D
d_A, Approach Delay [s/veh]	23.22			19.00			33.81			40.87		
Approach LOS	C			B			C			D		
d_I, Intersection Delay [s/veh]	26.16											
Intersection LOS	C											
Intersection V/C	0.657											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.144	3.407	3.020	2.835
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	556	778	556
d_b, Bicycle Delay [s]	23.47	23.47	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.508	2.941	2.403	1.983
Bicycle LOS	B	C	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	83.8
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.043

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	150	0	0	236	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	788	5	113	846	101	0	3	0	3	2	107
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	206	1	30	221	26	0	1	0	1	1	28
Total Analysis Volume [veh/h]	4	825	5	118	886	106	0	3	0	3	2	112
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.15	0.01	0.00	0.00	0.06	0.00	0.04	0.04	0.19
d_M, Delay for Movement [s/veh]	10.13	0.00	0.00	10.20	0.00	0.00	80.66	80.68	16.31	58.20	83.81	13.27
Movement LOS	B	A	A	B	A	A	F	F	C	F	F	B
95th-Percentile Queue Length [veh/ln]	0.02	0.00	0.00	0.51	0.00	0.00	0.18	0.18	0.18	0.13	0.89	0.89
95th-Percentile Queue Length [ft/ln]	0.43	0.00	0.00	12.70	0.00	0.00	4.59	4.59	4.59	3.28	22.21	22.21
d_A, Approach Delay [s/veh]	0.05			1.08			80.68			15.63		
Approach LOS	A			A			F			C		
d_I, Intersection Delay [s/veh]	1.61											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	53.9
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.659

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	153	533	57	47	509	43	103	292	125	88	361	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	125	100	0	2	91	130	39	180	174	0	125	4
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	281	644	58	50	610	174	144	478	302	90	493	40
Peak Hour Factor	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	82	188	17	15	178	51	42	140	88	26	144	12
Total Analysis Volume [veh/h]	329	753	68	58	713	204	168	559	353	105	577	47
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	38	0	10	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	26	26	5	25	25	7	37	37	6	36	36
g / C, Green / Cycle	0.07	0.29	0.29	0.05	0.28	0.28	0.08	0.41	0.41	0.07	0.40	0.40
(v / s)_i Volume / Saturation Flow Rate	0.09	0.22	0.22	0.02	0.25	0.25	0.09	0.26	0.26	0.06	0.17	0.17
s, saturation flow rate [veh/h]	3514	1900	1845	3514	1900	1756	1810	1900	1657	1810	1900	1850
c, Capacity [veh/h]	234	555	539	186	529	489	141	780	680	121	759	739
d1, Uniform Delay [s]	42.00	28.87	28.87	41.04	31.26	31.26	41.50	21.04	21.05	41.61	19.48	19.49
k, delay calibration	0.11	0.20	0.20	0.11	0.27	0.27	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	187.55	3.74	3.87	0.94	12.85	13.70	101.75	3.75	4.31	16.81	1.68	1.73
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	1.40	0.75	0.75	0.31	0.90	0.90	1.19	0.62	0.63	0.87	0.42	0.42
d, Delay for Lane Group [s/veh]	229.55	32.61	32.75	41.98	44.11	44.96	143.25	24.79	25.36	58.42	21.16	21.22
Lane Group LOS	F	C	C	D	D	D	F	C	C	E	C	C
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	8.55	7.99	7.79	0.61	10.96	10.25	6.92	7.96	7.06	2.74	4.60	4.50
50th-Percentile Queue Length [ft/ln]	213.87	199.73	194.68	15.28	274.10	256.28	172.94	199.03	176.54	68.53	114.96	112.40
95th-Percentile Queue Length [veh/ln]	14.66	12.62	12.36	1.10	16.39	15.50	11.88	12.59	11.42	4.93	8.11	7.97
95th-Percentile Queue Length [ft/ln]	366.58	315.62	309.10	27.51	409.86	387.55	296.92	314.72	285.49	123.36	202.87	199.34

Movement, Approach, & Intersection Results

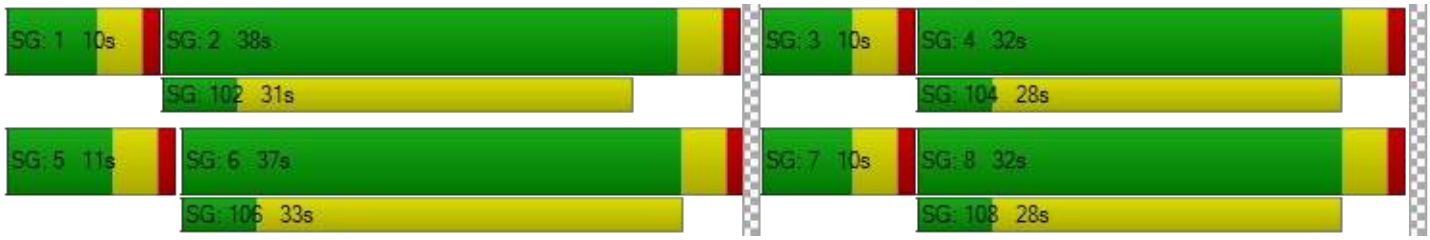
d_M, Delay for Movement [s/veh]	229.55	32.67	32.75	41.98	44.39	44.96	143.25	24.86	25.36	58.42	21.19	21.22
Movement LOS	F	C	C	D	D	D	F	C	C	E	C	C
d_A, Approach Delay [s/veh]	89.00			44.37			43.44			26.55		
Approach LOS	F			D			D			C		
d_I, Intersection Delay [s/veh]	53.86											
Intersection LOS	D											
Intersection V/C	0.659											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.083	2.981	3.013	2.761
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	756	733
d_b, Bicycle Delay [s]	21.36	21.36	17.42	18.05
l_b,int, Bicycle LOS Score for Intersection	2.508	2.364	2.451	2.161
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	19.0
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.233

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	72	15	37	363	440	89
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	241	111	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	73	15	38	611	560	91
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	4	10	166	152	25
Total Analysis Volume [veh/h]	79	16	41	664	609	99
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.23	0.02	0.05	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	18.97	13.91	9.19	0.00	0.00	0.00
Movement LOS	C	B	A	A	A	A
95th-Percentile Queue Length [veh/ln]	1.01	1.01	0.14	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	25.28	25.28	3.57	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	18.12		0.53		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	1.39					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	30.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.471

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	63	305	127	94	426	81	65	254	82	136	334	103
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	7	0	0	0	0	12	5	241	3	0	102	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	70	311	130	96	435	93	70	495	85	139	436	105
Peak Hour Factor	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	88	37	27	123	26	20	140	24	39	123	30
Total Analysis Volume [veh/h]	79	352	147	109	493	105	79	561	96	157	494	119
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	34	0	11	35	0	14	31	0	14	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	16	16	7	17	17	5	42	42	9	46	46
g / C, Green / Cycle	0.06	0.17	0.17	0.08	0.19	0.19	0.06	0.47	0.47	0.11	0.51	0.51
(v / s)_i Volume / Saturation Flow Rate	0.04	0.14	0.14	0.06	0.16	0.16	0.04	0.18	0.18	0.09	0.17	0.17
s, saturation flow rate [veh/h]	1810	1900	1714	1810	1900	1786	1810	1900	1805	1810	1900	1774
c, Capacity [veh/h]	104	333	300	138	368	346	105	885	840	191	974	910
d1, Uniform Delay [s]	41.79	35.48	35.57	40.87	34.90	34.93	41.73	15.61	15.62	39.45	12.82	12.83
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	10.68	4.03	4.78	9.70	5.03	5.46	10.13	1.24	1.31	8.62	0.89	0.95
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.76	0.78	0.79	0.79	0.84	0.84	0.75	0.38	0.38	0.82	0.32	0.33
d, Delay for Lane Group [s/veh]	52.47	39.51	40.34	50.58	39.93	40.39	51.86	16.86	16.94	48.07	13.71	13.78
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.98	5.59	5.19	2.66	6.69	6.36	1.93	4.21	4.03	3.65	3.42	3.22
50th-Percentile Queue Length [ft/ln]	49.49	139.74	129.84	66.58	167.24	159.03	48.22	105.30	100.77	91.24	85.46	80.49
95th-Percentile Queue Length [veh/ln]	3.56	9.47	8.93	4.79	10.93	10.50	3.47	7.58	7.26	6.57	6.15	5.80
95th-Percentile Queue Length [ft/ln]	89.08	236.67	223.28	119.84	273.29	262.44	86.80	189.44	181.38	164.24	153.83	144.88

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	52.47	39.72	40.34	50.58	40.10	40.39	51.86	16.89	16.94	48.07	13.74	13.78
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	41.62			41.76			20.65			20.74		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	30.37											
Intersection LOS	C											
Intersection V/C	0.471											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.646	2.628	2.761	2.817
Crosswalk LOS	B	B	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	689	600	600
d_b, Bicycle Delay [s]	20.00	19.34	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.036	2.143	2.167	2.195
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rialto Olive Avenue Development

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Report File: \...\4 OY 2020 CUM PM.pdf

Scenario 4 OY 2020 CUM PM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	WB Left	1.161	126.2	F
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	1.206	140.9	F
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	1.101	123.5	F
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.757	47.9	D
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	NB Left	0.832	42.9	D
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	EB Right	0.928	43.8	D
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.799	29.4	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.035	134.0	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.630	79.9	E
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.409	25.9	D
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.459	27.8	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	126.2
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.161

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0000	1.0200	1.0000	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000
In-Process Volume [veh/h]	333	434	0	0	389	253	0	0	0	267	0	124
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	766	876	0	0	721	623	0	0	0	515	5	257
Peak Hour Factor	0.9640	0.9640	1.0000	1.0000	0.9640	0.9640	1.0000	1.0000	1.0000	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	199	227	0	0	187	162	0	0	0	134	1	67
Total Analysis Volume [veh/h]	795	909	0	0	748	646	0	0	0	534	5	267
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	34	70	0	0	36	0	0	0	0	0	20	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	30	66	32	32		16	16
g / C, Green / Cycle	0.33	0.73	0.36	0.36		0.18	0.18
(v / s)_i Volume / Saturation Flow Rate	0.44	0.25	0.37	0.43		0.30	0.17
s, saturation flow rate [veh/h]	1810	3618	1900	1633		1810	1619
c, Capacity [veh/h]	603	2653	676	581		322	288
d1, Uniform Delay [s]	30.00	4.27	29.00	29.00		37.00	36.56
k, delay calibration	0.50	0.50	0.50	0.50		0.37	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	154.56	0.35	43.03	106.02		306.97	14.57
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	1.32	0.34	1.03	1.20		1.66	0.94
d, Delay for Lane Group [s/veh]	184.56	4.63	72.03	135.02		343.97	51.13
Lane Group LOS	F	A	F	F		F	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	37.54	1.87	20.99	28.20		33.99	6.64
50th-Percentile Queue Length [ft/ln]	938.62	46.87	524.70	704.91		849.73	166.12
95th-Percentile Queue Length [veh/ln]	55.90	3.37	29.12	41.38		53.07	10.87
95th-Percentile Queue Length [ft/ln]	1397.53	84.36	728.04	1034.46		1326.70	271.81

Movement, Approach, & Intersection Results

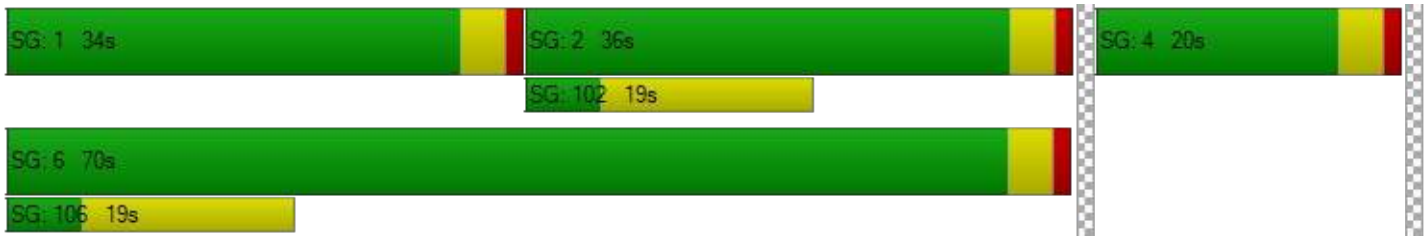
d_M, Delay for Movement [s/veh]	184.56	4.63	0.00	0.00	76.33	135.02	0.00	0.00	0.00	343.97	51.13	51.13
Movement LOS	F	A			E	F				F	D	D
d_A, Approach Delay [s/veh]	88.58			103.53			0.00			245.15		
Approach LOS	F			F			A			F		
d_I, Intersection Delay [s/veh]	126.24											
Intersection LOS	F											
Intersection V/C	1.161											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.835	2.371
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1467	711	0	356
d_b, Bicycle Delay [s]	3.20	18.69	45.00	30.42
l_b,int, Bicycle LOS Score for Intersection	2.965	2.710	4.132	2.890
Bicycle LOS	C	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	140.9
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.206

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	1	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0000	1.0200	1.0000	1.0000	1.0200	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	610	272	90	478	0	152	0	442	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	1173	587	296	838	0	462	8	813	0	0	0
Peak Hour Factor	1.0000	0.9820	0.9820	0.9820	0.9820	1.0000	0.9820	0.9820	0.9820	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	299	149	75	213	0	118	2	207	0	0	0
Total Analysis Volume [veh/h]	0	1195	598	301	853	0	470	8	828	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	38	0	14	52	0	0	38	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	34	34	10	48	34	34	
g / C, Green / Cycle	0.38	0.38	0.11	0.53	0.38	0.38	
(v / s)_i Volume / Saturation Flow Rate	0.47	0.53	0.17	0.24	0.26	0.51	
s, saturation flow rate [veh/h]	1900	1700	1810	3618	1811	1615	
c, Capacity [veh/h]	718	642	201	1929	684	610	
d1, Uniform Delay [s]	28.00	28.00	40.00	12.82	23.67	28.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.23	0.50	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	123.46	187.59	229.37	0.74	2.79	171.23	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	1.25	1.40	1.50	0.44	0.70	1.36	
d, Delay for Lane Group [s/veh]	151.46	215.59	269.37	13.56	26.46	199.23	
Lane Group LOS	F	F	F	B	C	F	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	38.19	45.60	16.98	4.59	8.17	40.55	
50th-Percentile Queue Length [ft/ln]	954.64	1140.10	424.46	114.80	204.23	1013.83	
95th-Percentile Queue Length [veh/ln]	55.66	68.90	27.24	8.11	12.86	61.14	
95th-Percentile Queue Length [ft/ln]	1391.48	1722.60	680.90	202.66	321.41	1528.51	

Movement, Approach, & Intersection Results

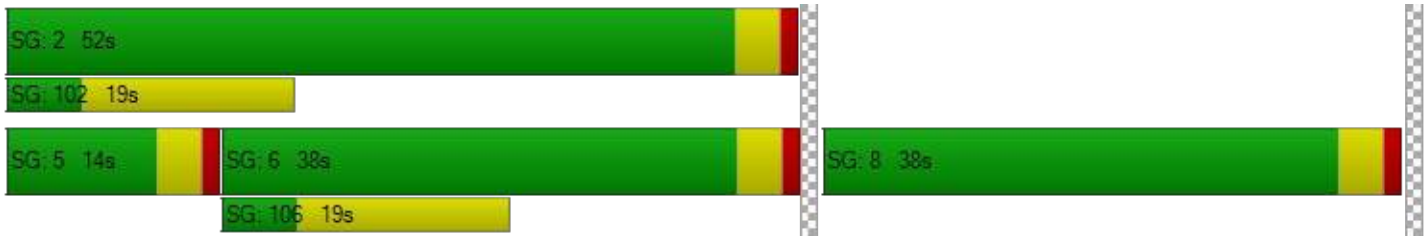
d_M, Delay for Movement [s/veh]	0.00	167.48	215.59	269.37	13.56	0.00	26.46	26.46	199.23	0.00	0.00	0.00
Movement LOS		F	F	F	B		C	C	F			
d_A, Approach Delay [s/veh]	183.53			80.28			136.00			0.00		
Approach LOS	F			F			F			A		
d_I, Intersection Delay [s/veh]	140.92											
Intersection LOS	F											
Intersection V/C	1.206											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.777	2.309
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	1067	756	0
d_b, Bicycle Delay [s]	17.42	9.80	17.42	45.00
l_b,int, Bicycle LOS Score for Intersection	3.039	2.512	3.715	4.132
Bicycle LOS	C	B	D	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	123.5
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.101

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	51	374	12	449	296	117	102	147	45	13	95	294
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	51	1013	80	667	821	122	129	152	52	66	102	518
Peak Hour Factor	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	265	21	174	215	32	34	40	14	17	27	135
Total Analysis Volume [veh/h]	53	1060	84	698	859	128	135	159	54	69	107	542
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	34	0	40	64	0	11	34	0	12	35	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	30	30	36	61	61	7	32	32	6	31	31
g / C, Green / Cycle	0.04	0.25	0.25	0.30	0.51	0.51	0.06	0.27	0.27	0.05	0.26	0.26
(v / s)_i Volume / Saturation Flow Rate	0.03	0.30	0.31	0.39	0.26	0.27	0.07	0.06	0.06	0.04	0.06	0.34
s, saturation flow rate [veh/h]	1810	1900	1851	1810	1900	1816	1810	1900	1740	1810	1900	1615
c, Capacity [veh/h]	76	475	463	543	965	923	106	507	464	90	491	417
d1, Uniform Delay [s]	56.73	45.00	45.00	42.00	19.69	19.86	56.50	34.23	34.31	56.30	34.97	44.50
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	10.93	116.40	117.47	142.11	1.98	2.17	140.61	0.21	0.24	12.42	0.22	151.27
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.70	1.22	1.22	1.29	0.52	0.53	1.28	0.22	0.22	0.76	0.22	1.30
d, Delay for Lane Group [s/veh]	67.66	161.40	162.47	184.11	21.67	22.04	197.11	34.44	34.55	68.72	35.19	195.77
Lane Group LOS	E	F	F	F	C	C	F	C	C	E	D	F
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.77	28.79	28.19	36.58	9.05	8.97	7.24	2.45	2.33	2.33	2.43	29.43
50th-Percentile Queue Length [ft/ln]	44.19	719.75	704.79	914.56	226.23	224.23	181.04	61.23	58.29	58.23	60.73	735.82
95th-Percentile Queue Length [veh/ln]	3.18	41.96	41.20	53.73	13.98	13.88	12.47	4.41	4.20	4.19	4.37	44.06
95th-Percentile Queue Length [ft/ln]	79.54	1048.89	1030.00	1343.36	349.57	347.02	311.85	110.21	104.92	104.81	109.31	1101.44

Movement, Approach, & Intersection Results

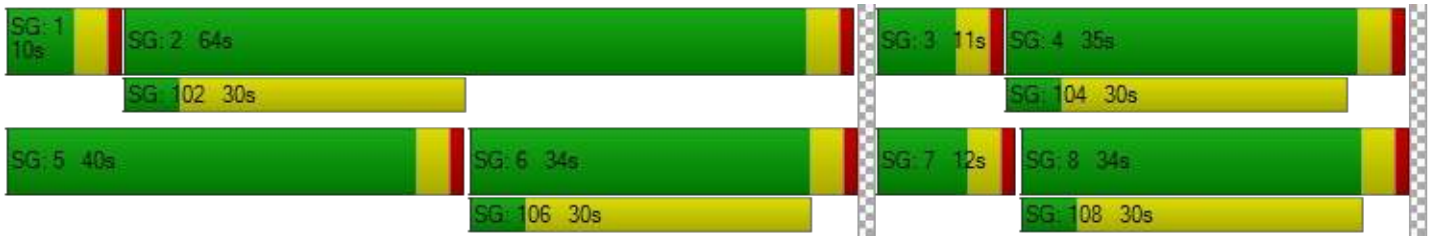
d_M, Delay for Movement [s/veh]	67.66	161.89	162.47	184.11	21.82	22.04	197.11	34.48	34.55	68.72	35.19	195.77
Movement LOS	E	F	F	F	C	C	F	C	C	E	D	F
d_A, Approach Delay [s/veh]	157.76			89.06			97.58			159.63		
Approach LOS	F			F			F			F		
d_I, Intersection Delay [s/veh]	123.48											
Intersection LOS	F											
Intersection V/C	1.101											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	51.34	51.34	51.34	51.34
l_p,int, Pedestrian LOS Score for Intersection	3.023	3.427	2.501	2.800
Crosswalk LOS	C	C	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	500	1000	500	517
d_b, Bicycle Delay [s]	33.75	15.00	33.75	33.00
l_b,int, Bicycle LOS Score for Intersection	2.547	2.950	1.847	2.152
Bicycle LOS	B	C	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	47.9
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.757

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	327	39	75	285	123	103	477	48	37	339	46
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0200	1.0000	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	206	15	59	78	16	89	42	0	45	102	123
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	540	54	134	369	141	194	519	49	82	441	169
Peak Hour Factor	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	138	14	34	94	36	50	133	13	21	113	43
Total Analysis Volume [veh/h]	40	552	55	137	377	144	198	531	50	84	451	173
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	33	0	11	34	34	12	36	0	10	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	32	7	35	35	8	30	5	27	38
g / C, Green / Cycle	0.04	0.35	0.08	0.39	0.39	0.09	0.33	0.06	0.30	0.42
(v / s)_i Volume / Saturation Flow Rate	0.02	0.32	0.08	0.20	0.09	0.11	0.31	0.05	0.24	0.11
s, saturation flow rate [veh/h]	1810	1870	1810	1900	1615	1810	1872	1810	1900	1615
c, Capacity [veh/h]	79	662	141	737	627	161	619	109	573	685
d1, Uniform Delay [s]	42.09	27.81	41.41	21.02	18.50	41.00	29.25	41.69	28.78	16.73
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.35	0.11	0.24	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.93	19.69	29.32	2.53	0.85	115.54	18.71	11.01	5.27	0.19
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.51	0.92	0.97	0.51	0.23	1.23	0.94	0.77	0.79	0.25
d, Delay for Lane Group [s/veh]	47.02	47.50	70.73	23.55	19.36	156.54	47.97	52.71	34.05	16.92
Lane Group LOS	D	D	E	C	B	F	D	D	C	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.93	14.72	4.00	5.92	1.96	8.51	14.12	2.07	8.92	2.09
50th-Percentile Queue Length [ft/ln]	23.30	368.00	100.04	147.91	49.09	212.84	353.10	51.72	223.12	52.35
95th-Percentile Queue Length [veh/ln]	1.68	21.01	7.20	9.91	3.53	14.26	20.29	3.72	13.82	3.77
95th-Percentile Queue Length [ft/ln]	41.94	525.31	180.07	247.64	88.37	356.41	507.19	93.09	345.60	94.22

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.02	47.50	47.50	70.73	23.55	19.36	156.54	47.97	47.97	52.71	34.05	16.92
Movement LOS	D	D	D	E	C	B	F	D	D	D	C	B
d_A, Approach Delay [s/veh]	47.47			32.46			75.56			32.08		
Approach LOS	D			C			E			C		
d_I, Intersection Delay [s/veh]	47.86											
Intersection LOS	D											
Intersection V/C	0.757											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.569	2.815	2.708	2.766
Crosswalk LOS	B	C	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	644	667	711	667
d_b, Bicycle Delay [s]	20.67	20.00	18.69	20.00
l_b,int, Bicycle LOS Score for Intersection	2.627	2.645	2.845	2.728
Bicycle LOS	B	B	C	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	42.9
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.832

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	546	415	0	0	502	204	0	0	0	649	6	280
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0000	1.0200	1.0000	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000
In-Process Volume [veh/h]	114	249	0	0	273	98	0	0	0	395	0	180
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	660	672	0	0	785	302	0	0	0	1044	6	460
Peak Hour Factor	0.9660	0.9660	1.0000	1.0000	0.9660	0.9660	1.0000	1.0000	1.0000	0.9660	0.9660	0.9660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	171	174	0	0	203	78	0	0	0	270	2	119
Total Analysis Volume [veh/h]	683	696	0	0	813	313	0	0	0	1081	6	476
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	21	57	0	0	36	0	0	0	0	0	33	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	17	53	32	32		29	29	29
g / C, Green / Cycle	0.19	0.59	0.36	0.36		0.32	0.32	0.32
(v / s)_i Volume / Saturation Flow Rate	0.19	0.19	0.30	0.33		0.29	0.31	0.29
s, saturation flow rate [veh/h]	3514	3618	1900	1730		1810	1810	1615
c, Capacity [veh/h]	664	2130	676	615		583	583	520
d1, Uniform Delay [s]	36.50	9.42	26.56	27.70		29.03	30.07	29.31
k, delay calibration	0.11	0.50	0.50	0.50		0.35	0.41	0.37
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	24.23	0.41	11.55	20.52		14.06	27.02	18.36
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	1.03	0.33	0.83	0.92		0.89	0.97	0.91
d, Delay for Lane Group [s/veh]	60.73	9.83	38.11	48.23		43.09	57.10	47.67
Lane Group LOS	F	A	D	D		D	E	D
Critical Lane Group	Yes	No	No	Yes		No	Yes	No
50th-Percentile Queue Length [veh/ln]	8.98	2.92	12.02	13.79		11.90	15.21	11.53
50th-Percentile Queue Length [ft/ln]	224.48	72.89	300.57	344.69		297.49	380.21	288.26
95th-Percentile Queue Length [veh/ln]	14.09	5.25	17.71	19.88		17.56	21.60	17.10
95th-Percentile Queue Length [ft/ln]	352.26	131.20	442.73	496.93		438.92	540.10	427.49

Movement, Approach, & Intersection Results

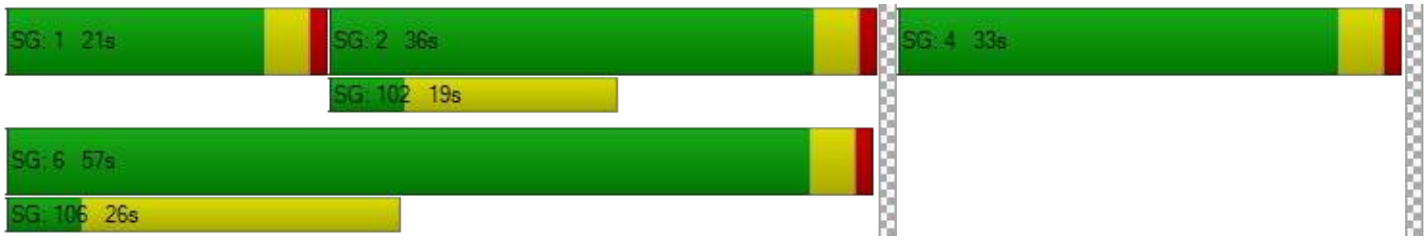
d_M, Delay for Movement [s/veh]	60.73	9.83	0.00	0.00	41.22	48.23	0.00	0.00	0.00	50.34	57.10	47.67
Movement LOS	F	A			D	D				D	E	D
d_A, Approach Delay [s/veh]	35.04			43.17			0.00			49.56		
Approach LOS	D			D			A			D		
d_I, Intersection Delay [s/veh]	42.87											
Intersection LOS	D											
Intersection V/C	0.832											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.205	2.788
Crosswalk LOS	F	F	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1178	711	0	644
d_b, Bicycle Delay [s]	7.61	18.69	45.00	20.67
l_b,int, Bicycle LOS Score for Intersection	2.697	2.489	4.132	4.139
Bicycle LOS	B	B	D	D

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	43.8
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.928

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	719	660	250	824	0	226	1	574	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0000	1.0200	1.0000	1.0000	1.0200	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	215	231	157	493	0	127	0	84	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	948	891	407	1333	0	353	1	658	0	0	0
Peak Hour Factor	1.0000	0.9450	0.9450	0.9450	0.9450	1.0000	0.9450	0.9450	0.9450	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	251	236	108	353	0	93	0	174	0	0	0
Total Analysis Volume [veh/h]	0	1003	943	431	1411	0	374	1	696	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	52	0	16	68	0	0	22	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	Yes			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	48	48	12	64	18	18	18	
g / C, Green / Cycle	0.53	0.53	0.13	0.71	0.20	0.20	0.20	
(v / s)_i Volume / Saturation Flow Rate	0.28	0.58	0.12	0.39	0.20	0.22	0.22	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1624	1615	
c, Capacity [veh/h]	1929	861	469	2573	362	325	323	
d1, Uniform Delay [s]	13.56	21.00	38.53	6.16	35.88	36.00	36.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.15	0.20	0.20	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.01	59.86	7.83	0.85	22.96	62.28	64.78	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.52	1.09	0.92	0.55	0.99	1.10	1.11	
d, Delay for Lane Group [s/veh]	14.56	80.86	46.35	7.00	58.83	98.28	100.78	
Lane Group LOS	B	F	D	A	E	F	F	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	5.73	28.86	4.90	4.27	9.52	12.20	12.36	
50th-Percentile Queue Length [ft/ln]	143.32	721.40	122.49	106.73	237.90	304.99	308.89	
95th-Percentile Queue Length [veh/ln]	9.66	40.40	8.53	7.66	14.57	18.80	19.05	
95th-Percentile Queue Length [ft/ln]	241.49	1010.06	213.25	191.44	364.37	469.98	476.31	

Movement, Approach, & Intersection Results

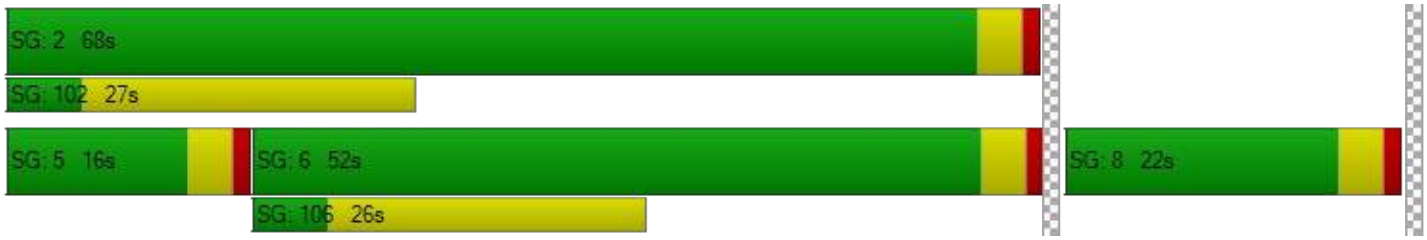
d_M, Delay for Movement [s/veh]	0.00	14.56	80.86	46.35	7.00	0.00	60.63	98.28	99.56	0.00	0.00	0.00
Movement LOS		B	F	D	A		E	F	F			
d_A, Approach Delay [s/veh]	46.69			16.21			85.97			0.00		
Approach LOS	D			B			F			A		
d_I, Intersection Delay [s/veh]	43.79											
Intersection LOS	D											
Intersection V/C	0.928											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.522	2.387
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1067	1422	400	0
d_b, Bicycle Delay [s]	9.80	3.76	28.80	45.00
l_b,int, Bicycle LOS Score for Intersection	3.165	3.079	3.327	4.132
Bicycle LOS	C	C	C	D

Sequence

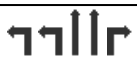
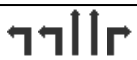
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	29.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.799

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	115	678	41	245	591	565	471	181	124	37	151	226
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	76	230	0	12	157	316	131	53	131	0	239	6
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	191	922	42	262	760	881	602	234	255	38	390	237
Peak Hour Factor	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	48	232	11	66	192	222	152	59	64	10	98	60
Total Analysis Volume [veh/h]	193	929	42	264	766	888	607	236	257	38	393	239
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	12	29	29	12	29	29	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	8	37	37	8	37	57	16	25	37	4	13	25
g / C, Green / Cycle	0.09	0.41	0.41	0.09	0.41	0.64	0.18	0.28	0.41	0.04	0.14	0.28
(v / s)_i Volume / Saturation Flow Rate	0.05	0.26	0.03	0.08	0.21	0.55	0.17	0.07	0.16	0.01	0.11	0.15
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	312	1495	667	312	1495	1026	625	1008	666	145	515	445
d1, Uniform Delay [s]	39.53	20.84	15.90	40.39	19.65	13.28	36.77	25.04	18.50	41.81	37.14	27.72
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.99	1.95	0.18	6.24	1.26	9.70	11.31	0.12	0.37	0.95	2.39	1.01
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.62	0.62	0.06	0.85	0.51	0.87	0.97	0.23	0.39	0.26	0.76	0.54
d, Delay for Lane Group [s/veh]	41.52	22.80	16.08	46.63	20.91	22.98	48.08	25.16	18.86	42.76	39.53	28.72
Lane Group LOS	D	C	B	D	C	C	D	C	B	D	D	C
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.02	7.19	0.50	2.98	5.54	13.23	7.13	1.82	3.40	0.41	4.06	4.14
50th-Percentile Queue Length [ft/ln]	50.62	179.84	12.55	74.50	138.46	330.81	178.27	45.38	85.09	10.17	101.62	103.62
95th-Percentile Queue Length [veh/ln]	3.64	11.59	0.90	5.36	9.40	19.20	11.51	3.27	6.13	0.73	7.32	7.46
95th-Percentile Queue Length [ft/ln]	91.12	289.81	22.59	134.11	234.94	479.95	287.75	81.68	153.16	18.30	182.92	186.51

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	41.52	22.80	16.08	46.63	20.91	22.98	48.08	25.16	18.86	42.76	39.53	28.72
Movement LOS	D	C	B	D	C	C	D	C	B	D	D	C
d_A, Approach Delay [s/veh]	25.66			25.41			36.34			35.86		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	29.39											
Intersection LOS	C											
Intersection V/C	0.799											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.112	3.453	3.193	2.877
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	556	778	556
d_b, Bicycle Delay [s]	23.47	23.47	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.520	3.142	2.467	2.112
Bicycle LOS	B	C	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	134.0
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.035

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	235	0	0	186	0	0	0	0	0	0	1
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	988	6	143	873	2	2	0	5	6	1	138
Peak Hour Factor	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	266	2	38	235	1	1	0	1	2	0	37
Total Analysis Volume [veh/h]	4	1064	6	154	940	2	2	0	5	6	1	149
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.23	0.01	0.00	0.07	0.00	0.01	0.16	0.03	0.30
d_M, Delay for Movement [s/veh]	9.92	0.00	0.00	12.12	0.00	0.00	132.40	133.73	14.98	117.37	134.00	16.29
Movement LOS	A	A	A	B	A	A	F	F	B	F	F	C
95th-Percentile Queue Length [veh/ln]	0.02	0.00	0.00	0.90	0.00	0.00	0.25	0.25	0.25	0.50	1.46	1.46
95th-Percentile Queue Length [ft/ln]	0.41	0.00	0.00	22.55	0.00	0.00	6.20	6.20	6.20	12.56	36.47	36.47
d_A, Approach Delay [s/veh]	0.04			1.70			48.53			20.93		
Approach LOS	A			A			E			C		
d_I, Intersection Delay [s/veh]	2.36											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	79.9
Analysis Method:	HCM 6th Edition	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.630

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	129	593	106	76	530	77	139	392	151	86	351	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	182	91	0	5	110	63	129	110	112	0	189	2
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	311	696	108	83	651	140	268	502	263	88	540	58
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	80	179	28	21	168	36	69	129	68	23	139	15
Total Analysis Volume [veh/h]	321	718	111	86	671	144	276	518	271	91	557	60
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	37	0	11	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	23	23	5	23	23	7	40	40	6	38	38
g / C, Green / Cycle	0.07	0.26	0.26	0.06	0.25	0.25	0.08	0.44	0.44	0.06	0.43	0.43
(v / s)_i Volume / Saturation Flow Rate	0.09	0.22	0.22	0.02	0.22	0.22	0.15	0.22	0.22	0.05	0.16	0.17
s, saturation flow rate [veh/h]	3514	1900	1812	3514	1900	1785	1810	1900	1683	1810	1900	1836
c, Capacity [veh/h]	234	491	468	209	477	448	141	835	739	118	811	783
d1, Uniform Delay [s]	42.00	31.86	31.87	40.81	32.40	32.40	41.50	18.14	18.15	41.41	17.71	17.72
k, delay calibration	0.11	0.21	0.21	0.11	0.20	0.20	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	172.52	8.48	8.95	1.30	9.61	10.17	438.04	2.15	2.42	10.16	1.39	1.45
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	1.37	0.86	0.86	0.41	0.88	0.88	1.96	0.50	0.50	0.77	0.39	0.39
d, Delay for Lane Group [s/veh]	214.52	40.34	40.82	42.11	42.01	42.57	479.54	20.29	20.57	51.57	19.11	19.17
Lane Group LOS	F	D	D	D	D	D	F	C	C	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	8.07	9.21	8.86	0.91	9.34	8.84	20.06	5.97	5.35	2.21	4.26	4.14
50th-Percentile Queue Length [ft/ln]	201.65	230.29	221.58	22.68	233.40	221.11	501.62	149.14	133.69	55.24	106.57	103.56
95th-Percentile Queue Length [veh/ln]	13.89	14.19	13.75	1.63	14.35	13.72	32.39	9.97	9.14	3.98	7.65	7.46
95th-Percentile Queue Length [ft/ln]	347.25	354.73	343.64	40.83	358.68	343.05	809.83	249.28	228.50	99.43	191.22	186.41

Movement, Approach, & Intersection Results

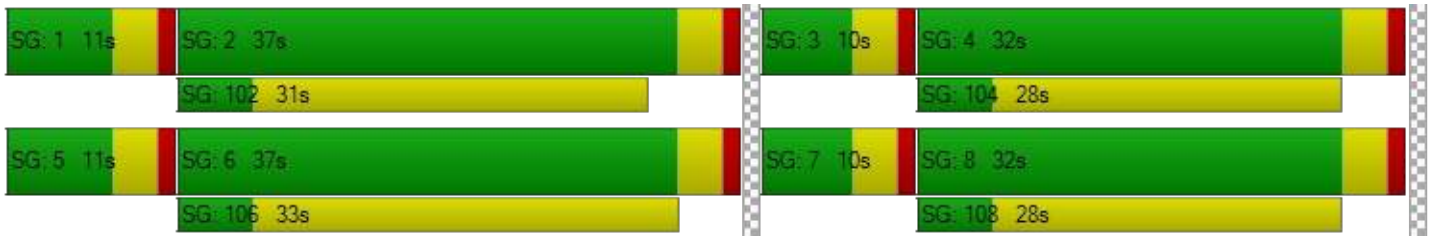
d_M, Delay for Movement [s/veh]	214.52	40.54	40.82	42.11	42.22	42.57	479.54	20.34	20.57	51.57	19.13	19.17
Movement LOS	F	D	D	D	D	D	F	C	C	D	B	B
d_A, Approach Delay [s/veh]	89.13			42.26			139.40			23.31		
Approach LOS	F			D			F			C		
d_I, Intersection Delay [s/veh]	79.90											
Intersection LOS	E											
Intersection V/C	0.630											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.046	2.984	2.980	2.764
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	733	733
d_b, Bicycle Delay [s]	21.36	21.36	18.05	18.05
l_b,int, Bicycle LOS Score for Intersection	2.508	2.303	2.438	2.144
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	25.9
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.409

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

Volumes

Name						
Base Volume Input [veh/h]	120	49	30	561	459	114
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	97	181	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	122	50	31	669	649	116
Peak Hour Factor	0.9520	0.9520	0.9520	0.9520	0.9520	0.9520
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	13	8	176	170	30
Total Analysis Volume [veh/h]	128	53	33	703	682	122
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.41	0.09	0.04	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	25.87	20.33	9.52	0.00	0.00	0.00
Movement LOS	D	C	A	A	A	A
95th-Percentile Queue Length [veh/ln]	2.65	2.65	0.12	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	66.35	66.35	3.11	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	24.25		0.43		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	2.73					
Intersection LOS	D					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	27.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.459

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	92	378	90	89	247	53	68	505	81	102	399	76
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	4	0	0	0	0	7	12	89	7	0	185	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	96	386	92	91	252	60	80	594	88	104	584	78
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	26	105	25	25	68	16	22	161	24	28	159	21
Total Analysis Volume [veh/h]	104	420	100	99	274	65	87	646	96	113	635	85
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	17	38	0	10	31	0	11	31	0	11	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	7	16	16	6	15	15	6	45	45	7	47	47
g / C, Green / Cycle	0.07	0.17	0.17	0.07	0.17	0.17	0.06	0.51	0.51	0.08	0.52	0.52
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.14	0.05	0.09	0.09	0.05	0.20	0.20	0.06	0.19	0.19
s, saturation flow rate [veh/h]	1810	1900	1776	1810	1900	1777	1810	1900	1815	1810	1900	1822
c, Capacity [veh/h]	135	329	307	121	314	294	112	959	916	141	989	949
d1, Uniform Delay [s]	40.90	35.82	35.87	41.47	34.51	34.58	41.59	13.79	13.80	40.82	12.83	12.83
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.97	4.89	5.44	12.74	1.52	1.70	10.83	1.22	1.28	10.10	1.07	1.12
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.81	0.82	0.82	0.55	0.56	0.78	0.40	0.40	0.80	0.37	0.37
d, Delay for Lane Group [s/veh]	49.87	40.71	41.31	54.21	36.03	36.27	52.43	15.01	15.08	50.93	13.90	13.95
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.52	5.85	5.57	2.52	3.48	3.34	2.13	4.39	4.21	2.72	4.02	3.87
50th-Percentile Queue Length [ft/ln]	63.04	146.34	139.18	63.03	87.02	83.47	53.36	109.71	105.31	67.92	100.44	96.74
95th-Percentile Queue Length [veh/ln]	4.54	9.82	9.44	4.54	6.27	6.01	3.84	7.82	7.58	4.89	7.23	6.97
95th-Percentile Queue Length [ft/ln]	113.48	245.53	235.92	113.45	156.64	150.24	96.04	195.60	189.46	122.25	180.79	174.14

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	49.87	40.93	41.31	54.21	36.12	36.27	52.43	15.04	15.08	50.93	13.92	13.95
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.48			40.23			18.97			18.94		
Approach LOS	D			D			B			B		
d_I, Intersection Delay [s/veh]	27.76											
Intersection LOS	C											
Intersection V/C	0.459											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.589	2.569	2.832	2.847
Crosswalk LOS	B	B	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	600	600	600
d_b, Bicycle Delay [s]	17.42	22.05	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.074	1.921	2.244	2.247
Bicycle LOS	B	A	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rialto Olive Avenue Development

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Report File: \...\5 OY 2020 CUM WP AM.pdf

Scenario 5 OY 2020 CUM WP AM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	WB Left	1.272	159.7	F
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	NB Right	1.249	159.0	F
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	SB Left	1.097	112.8	F
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.619	33.8	C
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	SB Right	0.805	36.1	D
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	EB Right	0.910	41.4	D
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	WB Left	0.664	26.3	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	WB Thru	0.048	92.9	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	NB Left	0.694	53.6	D
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.321	22.2	C
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	NB Left	0.479	30.3	C
12	Base Line Rd at Project Dwy 1	Two-way stop	HCM 6th Edition	SB Right	0.008	10.1	B
13	Base Line Rd at Project Dwy 2	Signalized	HCM 6th Edition	SB Right	0.274	6.9	A
14	Base Line Rd at Project Dwy 3	Two-way stop	HCM 6th Edition	SB Right	0.004	10.1	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	159.7
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.272

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	433	551	0	0	412	144	0	0	0	450	0	90
Site-Generated Trips [veh/h]	14	0	0	0	0	0	0	0	0	48	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	720	956	0	0	644	583	0	0	0	748	2	349
Peak Hour Factor	0.9340	0.9340	1.0000	1.0000	0.9340	0.9340	1.0000	1.0000	1.0000	0.9340	0.9340	0.9340
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	193	256	0	0	172	156	0	0	0	200	1	93
Total Analysis Volume [veh/h]	771	1024	0	0	690	624	0	0	0	801	2	374
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	31	62	0	0	31	0	0	0	0	0	28	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	27	58	27	27		24	24
g / C, Green / Cycle	0.30	0.64	0.30	0.30		0.27	0.27
(v / s)_i Volume / Saturation Flow Rate	0.43	0.28	0.35	0.40		0.44	0.23
s, saturation flow rate [veh/h]	1810	3618	1900	1627		1810	1616
c, Capacity [veh/h]	543	2331	570	488		483	431
d1, Uniform Delay [s]	31.50	7.93	31.50	31.50		33.00	31.54
k, delay calibration	0.50	0.50	0.50	0.50		0.50	0.23
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	199.73	0.60	87.42	168.84		306.09	10.97
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	1.42	0.44	1.15	1.35		1.66	0.87
d, Delay for Lane Group [s/veh]	231.23	8.54	118.92	200.34		339.09	42.51
Lane Group LOS	F	A	F	F		F	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	40.75	3.83	25.00	32.46		50.60	8.44
50th-Percentile Queue Length [ft/ln]	1018.70	95.87	625.08	811.39		1264.89	210.97
95th-Percentile Queue Length [veh/ln]	61.74	6.90	36.19	49.16		78.46	13.20
95th-Percentile Queue Length [ft/ln]	1543.42	172.56	904.77	1228.92		1961.43	330.07

Movement, Approach, & Intersection Results

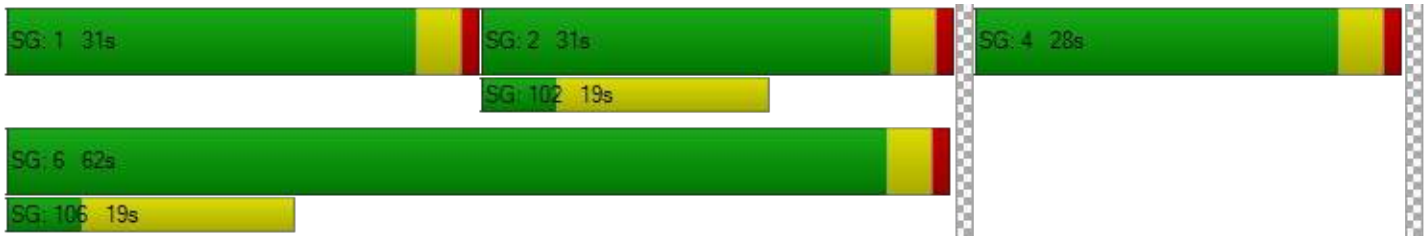
d_M, Delay for Movement [s/veh]	231.23	8.54	0.00	0.00	122.81	200.34	0.00	0.00	0.00	339.09	42.51	42.51
Movement LOS	F	A			F	F				F	D	D
d_A, Approach Delay [s/veh]	104.19			159.63			0.00			244.35		
Approach LOS	F			F			A			F		
d_I, Intersection Delay [s/veh]	159.68											
Intersection LOS	F											
Intersection V/C	1.272											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.787	2.673
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1289	600	0	533
d_b, Bicycle Delay [s]	5.69	22.05	45.00	24.20
l_b,int, Bicycle LOS Score for Intersection	3.040	2.644	4.132	3.502
Bicycle LOS	C	B	D	D

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	159.0
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.249

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	748	189	99	580	0	235	0	390	0	0	0
Site-Generated Trips [veh/h]	0	14	14	0	48	0	0	0	48	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	1121	422	291	927	0	558	2	828	0	0	0
Peak Hour Factor	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960	0.8960	0.8960	0.8960	1.0000	0.8960
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	313	118	81	259	0	156	1	231	0	0	0
Total Analysis Volume [veh/h]	0	1251	471	325	1035	0	623	2	924	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	5	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	6	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	30	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0
Split [s]	0	33	0	15	48	0	0	42	15	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	29	29	11	44	38	38	
g / C, Green / Cycle	0.32	0.32	0.12	0.49	0.42	0.42	
(v / s)_i Volume / Saturation Flow Rate	0.45	0.50	0.18	0.29	0.35	0.57	
s, saturation flow rate [veh/h]	1900	1733	1810	3618	1810	1615	
c, Capacity [veh/h]	612	558	221	1769	764	682	
d1, Uniform Delay [s]	30.50	30.50	39.50	16.47	22.95	26.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.33	0.50	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	192.52	252.80	216.84	1.43	6.38	169.29	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	1.41	1.54	1.47	0.59	0.82	1.36	
d, Delay for Lane Group [s/veh]	223.02	283.30	256.34	17.89	29.33	195.29	
Lane Group LOS	F	F	F	B	C	F	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	44.62	50.04	17.89	6.86	11.52	44.64	
50th-Percentile Queue Length [ft/ln]	1115.51	1251.02	447.37	171.58	288.11	1115.90	
95th-Percentile Queue Length [veh/ln]	67.12	77.04	28.51	11.16	17.09	67.13	
95th-Percentile Queue Length [ft/ln]	1677.93	1926.02	712.80	278.99	427.29	1678.21	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	241.82	283.30	256.34	17.89	0.00	29.33	29.33	195.29	0.00	0.00	0.00
Movement LOS		F	F	F	B		C	C	F			
d_A, Approach Delay [s/veh]	253.16			74.87			128.33			0.00		
Approach LOS	F			E			F			A		
d_I, Intersection Delay [s/veh]	159.05											
Intersection LOS	F											
Intersection V/C	1.249											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.975	2.203
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	644	978	844	0
d_b, Bicycle Delay [s]	20.67	11.76	15.02	45.00
l_b,int, Bicycle LOS Score for Intersection	2.980	2.682	4.115	4.132
Bicycle LOS	C	B	D	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	112.8
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.097

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	54	315	15	362	389	110	112	116	51	12	158	457
Site-Generated Trips [veh/h]	1	28	0	0	96	0	0	0	3	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	64	749	52	522	1017	127	120	121	62	56	161	616
Peak Hour Factor	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	216	15	151	294	37	35	35	18	16	46	178
Total Analysis Volume [veh/h]	74	865	60	603	1174	147	139	140	72	65	186	711
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	1 - Coordination Group
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	5
Auxiliary Signal Groups												4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	34	0	33	57	0	11	34	0	19	42	33
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	15	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	30	30	29	53	53	7	39	39	6	38	38
g / C, Green / Cycle	0.05	0.25	0.25	0.24	0.44	0.44	0.06	0.33	0.33	0.05	0.32	0.32
(v / s)_i Volume / Saturation Flow Rate	0.04	0.25	0.25	0.33	0.35	0.36	0.08	0.06	0.06	0.04	0.10	0.44
s, saturation flow rate [veh/h]	1810	1900	1857	1810	1900	1828	1810	1900	1690	1810	1900	1615
c, Capacity [veh/h]	90	475	464	437	839	807	106	622	553	86	602	511
d1, Uniform Delay [s]	56.46	44.77	44.77	45.50	28.68	29.27	56.50	28.81	28.89	56.45	31.06	41.00
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	16.13	37.71	38.18	184.36	7.39	8.99	156.53	0.13	0.16	12.47	0.29	187.37
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.82	0.98	0.98	1.38	0.79	0.82	1.32	0.18	0.18	0.75	0.31	1.39
d, Delay for Lane Group [s/veh]	72.59	82.48	82.95	229.86	36.08	38.26	213.03	28.94	29.05	68.92	31.35	228.37
Lane Group LOS	E	F	F	F	D	D	F	C	C	E	C	F
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.56	18.14	17.79	34.78	16.75	17.32	7.71	2.22	2.07	2.20	4.01	41.00
50th-Percentile Queue Length [ft/ln]	63.90	453.40	444.67	869.62	418.65	432.99	192.71	55.44	51.86	54.99	100.24	1024.91
95th-Percentile Queue Length [veh/ln]	4.60	25.12	24.70	52.27	23.46	24.14	13.22	3.99	3.73	3.96	7.22	61.77
95th-Percentile Queue Length [ft/ln]	115.02	628.01	617.59	1306.80	586.43	603.61	330.47	99.79	93.35	98.98	180.43	1544.15

Movement, Approach, & Intersection Results

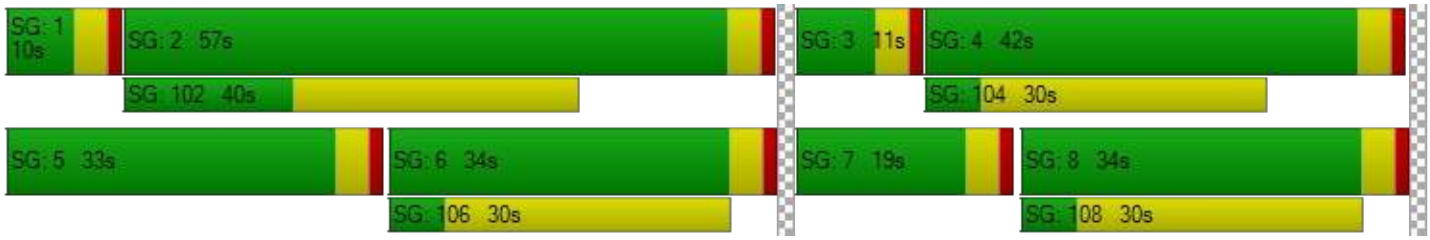
d_M, Delay for Movement [s/veh]	72.59	82.70	82.95	229.86	37.03	38.26	213.03	28.97	29.05	68.92	31.35	228.37
Movement LOS	E	F	F	F	D	D	F	C	C	E	C	F
d_A, Approach Delay [s/veh]	81.96			97.56			101.87			179.50		
Approach LOS	F			F			F			F		
d_I, Intersection Delay [s/veh]	112.85											
Intersection LOS	F											
Intersection V/C	1.097											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	19.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	51.34	51.34	42.50	51.34
l_p,int, Pedestrian LOS Score for Intersection	3.066	3.498	2.529	2.831
Crosswalk LOS	C	C	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	500	883	500	633
d_b, Bicycle Delay [s]	33.75	18.70	33.75	28.02
l_b,int, Bicycle LOS Score for Intersection	2.384	3.147	1.849	2.353
Bicycle LOS	B	C	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	33.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.619

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	184	12	34	212	93	83	259	29	19	237	80
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	82	45	118	191	86	26	101	0	13	33	57
Site-Generated Trips [veh/h]	0	0	0	99	0	0	0	5	0	0	2	29
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	270	57	252	407	181	111	370	30	32	277	168
Peak Hour Factor	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850	0.8850
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	76	16	71	115	51	31	105	8	9	78	47
Total Analysis Volume [veh/h]	44	305	64	285	460	205	125	418	34	36	313	190
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	11	28	0	18	35	35	11	34	0	10	33	33
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	33	14	43	54	7	24	4	20	38
g / C, Green / Cycle	0.04	0.36	0.16	0.47	0.60	0.08	0.26	0.04	0.23	0.43
(v / s)_i Volume / Saturation Flow Rate	0.02	0.20	0.16	0.24	0.13	0.07	0.24	0.02	0.16	0.12
s, saturation flow rate [veh/h]	1810	1844	1810	1900	1615	1810	1875	1810	1900	1615
c, Capacity [veh/h]	81	667	281	898	961	141	496	72	431	689
d1, Uniform Delay [s]	42.06	22.90	38.00	16.52	8.46	41.11	32.06	42.32	32.20	16.75
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.21	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.47	3.28	28.06	2.09	0.51	16.52	12.03	5.20	2.35	0.21
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.55	1.01	0.51	0.21	0.89	0.91	0.50	0.73	0.28
d, Delay for Lane Group [s/veh]	47.54	26.18	66.06	18.60	8.97	57.63	44.09	47.52	34.55	16.97
Lane Group LOS	D	C	F	B	A	E	D	D	C	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	1.03	6.21	7.97	6.21	1.62	3.23	10.35	0.85	6.11	2.31
50th-Percentile Queue Length [ft/ln]	25.74	155.34	199.17	155.32	40.51	80.81	258.73	21.18	152.64	57.78
95th-Percentile Queue Length [veh/ln]	1.85	10.30	12.67	10.30	2.92	5.82	15.62	1.52	10.16	4.16
95th-Percentile Queue Length [ft/ln]	46.34	257.54	316.69	257.52	72.91	145.46	390.62	38.12	253.94	104.01

Movement, Approach, & Intersection Results

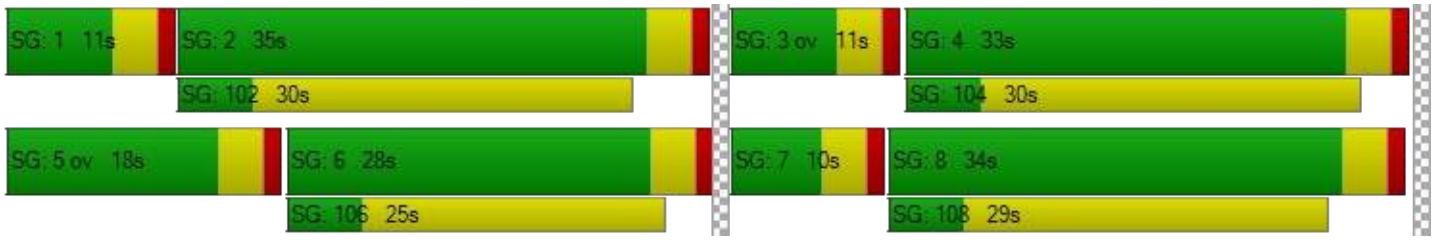
d_M, Delay for Movement [s/veh]	47.54	26.18	26.18	66.06	18.60	8.97	57.63	44.09	44.09	47.52	34.55	16.97
Movement LOS	D	C	C	F	B	A	E	D	D	D	C	B
d_A, Approach Delay [s/veh]	28.45			30.76			47.03			29.22		
Approach LOS	C			C			D			C		
d_I, Intersection Delay [s/veh]	33.83											
Intersection LOS	C											
Intersection V/C	0.619											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.452	2.812	2.559	2.726
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	533	689	667	644
d_b, Bicycle Delay [s]	24.20	19.34	20.00	20.67
l_b,int, Bicycle LOS Score for Intersection	2.241	3.127	2.512	2.449
Bicycle LOS	B	C	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	36.1
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.805

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	534	341	0	0	502	287	0	0	0	451	3	225
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	72	205	0	0	259	122	0	0	0	213	0	224
Site-Generated Trips [veh/h]	3	1	0	0	3	0	0	0	0	11	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	620	554	0	0	774	415	0	0	0	684	3	454
Peak Hour Factor	0.9480	0.9480	1.0000	1.0000	0.9480	0.9480	1.0000	1.0000	1.0000	0.9480	0.9480	0.9480
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	164	146	0	0	204	109	0	0	0	180	1	120
Total Analysis Volume [veh/h]	654	584	0	0	816	438	0	0	0	722	3	479
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	22	61	0	0	39	0	0	0	0	0	29	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	21	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	58	36	36		24	24	24
g / C, Green / Cycle	0.20	0.64	0.40	0.40		0.27	0.27	0.27
(v / s)_i Volume / Saturation Flow Rate	0.19	0.16	0.33	0.37		0.22	0.23	0.25
s, saturation flow rate [veh/h]	3514	3618	1900	1691		1810	1769	1615
c, Capacity [veh/h]	703	2314	751	669		491	480	438
d1, Uniform Delay [s]	35.39	6.96	24.56	26.14		30.70	30.91	31.79
k, delay calibration	0.11	0.50	0.50	0.50		0.21	0.22	0.26
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	6.19	0.26	10.59	22.47		6.26	7.52	16.46
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.93	0.25	0.83	0.94		0.82	0.84	0.92
d, Delay for Lane Group [s/veh]	41.57	7.23	35.15	48.62		36.96	38.42	48.25
Lane Group LOS	D	A	D	D		D	D	D
Critical Lane Group	Yes	No	No	Yes		No	No	Yes
50th-Percentile Queue Length [veh/ln]	7.12	1.89	12.79	15.44		8.30	8.50	9.72
50th-Percentile Queue Length [ft/ln]	177.89	47.32	319.75	385.94		207.54	212.48	242.91
95th-Percentile Queue Length [veh/ln]	11.49	3.41	18.66	21.88		13.03	13.28	14.83
95th-Percentile Queue Length [ft/ln]	287.26	85.18	466.38	547.03		325.67	332.01	370.71

Movement, Approach, & Intersection Results

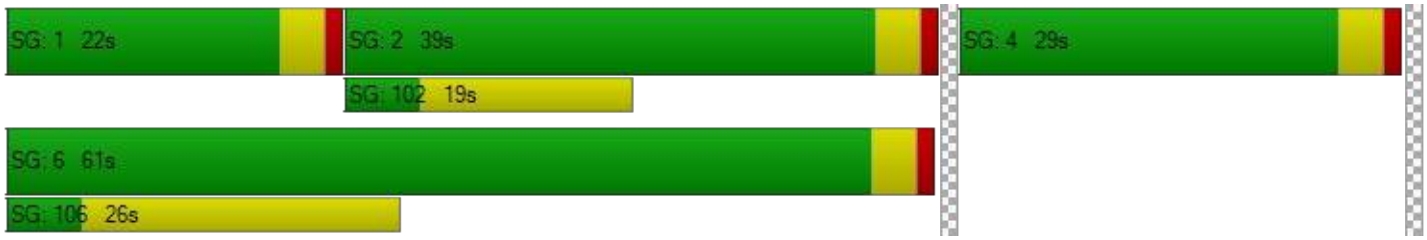
d_M, Delay for Movement [s/veh]	41.57	7.23	0.00	0.00	38.27	48.62	0.00	0.00	0.00	37.61	38.42	46.66
Movement LOS	D	A			D	D				D	D	D
d_A, Approach Delay [s/veh]	25.37			41.88			0.00			41.21		
Approach LOS	C			D			A			D		
d_I, Intersection Delay [s/veh]	36.13											
Intersection LOS	D											
Intersection V/C	0.805											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.250	2.594
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1267	778	0	556
d_b, Bicycle Delay [s]	6.05	16.81	45.00	23.47
l_b,int, Bicycle LOS Score for Intersection	2.581	2.594	4.132	3.546
Bicycle LOS	B	B	D	D

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	41.4
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.910

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	794	445	279	683	0	124	2	543	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	0	179	403	141	312	0	83	0	106	0	0	0
Site-Generated Trips [veh/h]	0	4	1	0	14	0	0	0	11	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	993	858	426	1023	0	209	2	671	0	0	0
Peak Hour Factor	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460	0.9460	0.9460	0.9460	1.0000	0.9460
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	262	227	113	270	0	55	1	177	0	0	0
Total Analysis Volume [veh/h]	0	1050	907	450	1081	0	221	2	709	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	52	0	16	68	0	0	22	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	48	48	12	64	18	18	18	
g / C, Green / Cycle	0.53	0.53	0.13	0.71	0.20	0.20	0.20	
(v / s)_i Volume / Saturation Flow Rate	0.29	0.56	0.13	0.30	0.12	0.22	0.22	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1616	1615	
c, Capacity [veh/h]	1929	861	469	2573	362	323	323	
d1, Uniform Delay [s]	13.81	21.00	38.76	5.36	32.81	36.00	36.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.11	0.20	0.20	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.11	45.58	12.02	0.51	1.67	62.60	62.91	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.54	1.05	0.96	0.42	0.61	1.10	1.10	
d, Delay for Lane Group [s/veh]	14.92	66.58	50.79	5.86	34.48	98.60	98.91	
Lane Group LOS	B	F	D	A	C	F	F	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	6.12	25.44	5.39	2.82	4.25	12.17	12.19	
50th-Percentile Queue Length [ft/ln]	153.03	635.98	134.87	70.61	106.20	304.26	304.70	
95th-Percentile Queue Length [veh/ln]	10.18	35.12	9.20	5.08	7.63	18.77	18.80	
95th-Percentile Queue Length [ft/ln]	254.47	877.90	230.10	127.10	190.70	469.16	469.88	

Movement, Approach, & Intersection Results

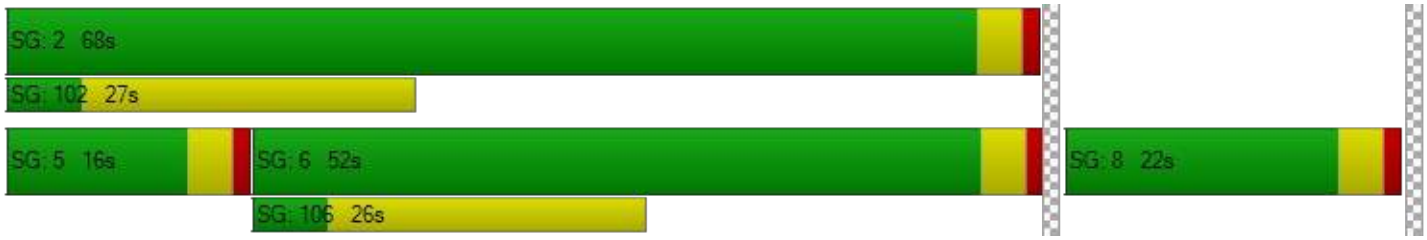
d_M, Delay for Movement [s/veh]	0.00	14.92	66.58	50.79	5.86	0.00	34.48	98.60	98.75	0.00	0.00	0.00
Movement LOS		B	F	D	A		C	F	F			
d_A, Approach Delay [s/veh]	38.86			19.07			83.51			0.00		
Approach LOS	D			B			F			A		
d_I, Intersection Delay [s/veh]	41.42											
Intersection LOS	D											
Intersection V/C	0.910											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.447	2.379
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1067	1422	400	0
d_b, Bicycle Delay [s]	9.80	3.76	28.80	45.00
l_b,int, Bicycle LOS Score for Intersection	3.174	2.823	3.097	4.132
Bicycle LOS	C	C	C	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	26.3
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.664

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	54	735	18	147	767	311	197	66	60	11	79	300
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	124	132	17	6	226	114	337	234	73	0	78	12
Site-Generated Trips [veh/h]	0	5	2	0	25	0	0	0	0	5	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	179	887	37	156	1033	431	538	301	134	16	159	318
Peak Hour Factor	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530	0.9530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	47	233	10	41	271	113	141	79	35	4	42	83
Total Analysis Volume [veh/h]	188	931	39	164	1084	452	565	316	141	17	167	334
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	12	29	29	12	29	29	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	7	41	47	8	41	61	16	23	35	2	9	21
g / C, Green / Cycle	0.08	0.45	0.52	0.09	0.46	0.68	0.18	0.26	0.39	0.02	0.11	0.24
(v / s)_i Volume / Saturation Flow Rate	0.05	0.26	0.02	0.05	0.30	0.28	0.16	0.09	0.09	0.00	0.05	0.21
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	285	1628	838	312	1656	1098	625	936	621	86	382	386
d1, Uniform Delay [s]	40.14	18.33	10.67	39.18	18.89	6.40	36.25	27.09	18.69	43.04	37.75	32.87
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.17
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.60	1.47	0.10	1.37	2.03	1.14	5.25	0.21	0.18	1.11	0.79	9.02
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.66	0.57	0.05	0.53	0.65	0.41	0.90	0.34	0.23	0.20	0.44	0.87
d, Delay for Lane Group [s/veh]	42.74	19.79	10.78	40.55	20.92	7.54	41.50	27.30	18.87	44.15	38.54	41.89
Lane Group LOS	D	B	B	D	C	A	D	C	B	D	D	D
Critical Lane Group	Yes	No	No	No	Yes	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.01	6.57	0.35	1.69	8.02	2.99	6.10	2.58	1.82	0.19	1.67	7.38
50th-Percentile Queue Length [ft/ln]	50.19	164.31	8.85	42.31	200.58	74.73	152.45	64.39	45.51	4.73	41.69	184.55
95th-Percentile Queue Length [veh/ln]	3.61	10.78	0.64	3.05	12.67	5.38	10.15	4.64	3.28	0.34	3.00	11.84
95th-Percentile Queue Length [ft/ln]	90.34	269.42	15.94	76.15	316.72	134.52	253.70	115.90	81.92	8.52	75.03	295.95

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	42.74	19.79	10.78	40.55	20.92	7.54	41.50	27.30	18.87	44.15	38.54	41.89
Movement LOS	D	B	B	D	C	A	D	C	B	D	D	D
d_A, Approach Delay [s/veh]	23.21			19.26			33.99			40.89		
Approach LOS	C			B			C			D		
d_I, Intersection Delay [s/veh]	26.27											
Intersection LOS	C											
Intersection V/C	0.664											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.153	3.415	3.020	2.836
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	556	778	556
d_b, Bicycle Delay [s]	23.47	23.47	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.515	2.962	2.403	1.987
Bicycle LOS	B	C	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	92.9
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.048

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	150	0	0	236	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	4	0	19	11	0	0	0	0	0	0	3
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	792	5	132	857	101	0	3	0	3	2	110
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	207	1	35	224	26	0	1	0	1	1	29
Total Analysis Volume [veh/h]	4	829	5	138	897	106	0	3	0	3	2	115
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.17	0.01	0.00	0.00	0.07	0.00	0.05	0.05	0.19
d_M, Delay for Movement [s/veh]	10.18	0.00	0.00	10.37	0.00	0.00	91.18	90.04	17.48	64.83	92.87	13.47
Movement LOS	B	A	A	B	A	A	F	F	C	F	F	B
95th-Percentile Queue Length [veh/ln]	0.02	0.00	0.00	0.61	0.00	0.00	0.20	0.20	0.20	0.15	0.94	0.94
95th-Percentile Queue Length [ft/ln]	0.43	0.00	0.00	15.34	0.00	0.00	5.12	5.12	5.12	3.67	23.50	23.50
d_A, Approach Delay [s/veh]	0.05			1.25			90.04			16.07		
Approach LOS	A			A			F			C		
d_I, Intersection Delay [s/veh]	1.75											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	53.6
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.694

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	153	533	57	47	509	43	103	292	125	88	361	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	125	100	0	2	91	130	39	180	174	0	125	4
Site-Generated Trips [veh/h]	0	0	5	11	0	0	0	104	0	2	31	4
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	281	644	63	61	610	174	144	582	302	92	524	44
Peak Hour Factor	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550	0.8550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	82	188	18	18	178	51	42	170	88	27	153	13
Total Analysis Volume [veh/h]	329	753	74	71	713	204	168	681	353	108	613	51
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	38	0	10	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	26	26	5	25	25	7	37	37	6	36	36
g / C, Green / Cycle	0.07	0.29	0.29	0.06	0.28	0.28	0.08	0.41	0.41	0.07	0.40	0.40
(v / s)_i Volume / Saturation Flow Rate	0.09	0.22	0.22	0.02	0.25	0.25	0.09	0.29	0.29	0.06	0.18	0.18
s, saturation flow rate [veh/h]	3514	1900	1841	3514	1900	1756	1810	1900	1685	1810	1900	1849
c, Capacity [veh/h]	234	548	531	200	529	489	141	780	691	121	759	738
d1, Uniform Delay [s]	42.00	29.25	29.25	40.86	31.26	31.26	41.50	21.96	22.02	41.69	19.74	19.74
k, delay calibration	0.11	0.20	0.20	0.11	0.27	0.27	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	187.55	4.20	4.36	1.07	12.85	13.70	101.75	5.21	5.96	19.49	1.88	1.93
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	1.40	0.77	0.77	0.36	0.90	0.90	1.19	0.70	0.71	0.90	0.44	0.44
d, Delay for Lane Group [s/veh]	229.55	33.45	33.62	41.93	44.11	44.96	143.25	27.17	27.98	61.18	21.61	21.67
Lane Group LOS	F	C	C	D	D	D	F	C	C	E	C	C
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	8.55	8.19	7.97	0.75	10.96	10.25	6.92	9.51	8.64	2.90	4.97	4.86
50th-Percentile Queue Length [ft/ln]	213.87	204.65	199.14	18.68	274.09	256.28	172.94	237.65	216.00	72.44	124.31	121.42
95th-Percentile Queue Length [veh/ln]	14.66	12.88	12.59	1.35	16.39	15.50	11.88	14.56	13.46	5.22	8.63	8.47
95th-Percentile Queue Length [ft/ln]	366.58	321.96	314.86	33.63	409.85	387.55	296.92	364.06	336.52	130.39	215.73	211.78

Movement, Approach, & Intersection Results

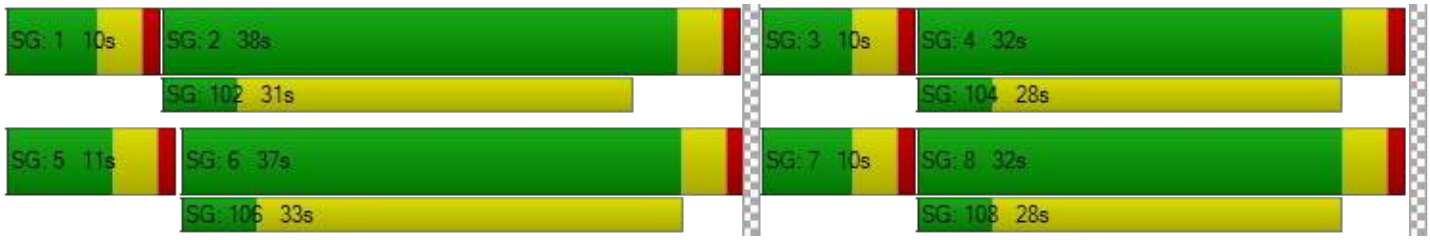
d_M, Delay for Movement [s/veh]	229.55	33.52	33.62	41.93	44.39	44.96	143.25	27.33	27.98	61.18	21.64	21.67
Movement LOS	F	C	C	D	D	D	F	C	C	E	C	C
d_A, Approach Delay [s/veh]	89.32			44.33			43.72			27.17		
Approach LOS	F			D			D			C		
d_I, Intersection Delay [s/veh]	53.57											
Intersection LOS	D											
Intersection V/C	0.694											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.085	2.985	3.064	2.821
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	756	733
d_b, Bicycle Delay [s]	21.36	21.36	17.42	18.05
l_b,int, Bicycle LOS Score for Intersection	2.513	2.375	2.551	2.197
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	22.2
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.321

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	72	15	37	363	440	89
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	241	111	0
Site-Generated Trips [veh/h]	19	0	0	120	37	3
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	92	15	38	731	597	94
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	4	10	199	162	26
Total Analysis Volume [veh/h]	100	16	41	795	649	102
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop		Free		Free	
Flared Lane	No					
Storage Area [veh]	0		0		0	
Two-Stage Gap Acceptance	Yes					
Number of Storage Spaces in Median	1		0		0	

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.32	0.03	0.05	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	22.19	16.35	9.36	0.00	0.00	0.00
Movement LOS	C	C	A	A	A	A
95th-Percentile Queue Length [veh/ln]	1.51	1.51	0.15	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	37.76	37.76	3.72	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	21.38		0.46		0.00	
Approach LOS	C		A		A	
d_I, Intersection Delay [s/veh]	1.68					
Intersection LOS	C					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	30.3
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.479

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	63	305	127	94	426	81	65	254	82	136	334	103
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	7	0	0	0	0	12	5	241	3	0	102	0
Site-Generated Trips [veh/h]	5	0	0	0	0	0	0	2	2	0	5	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	76	311	130	96	435	95	71	502	89	139	448	105
Peak Hour Factor	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	88	37	27	123	27	20	142	25	39	127	30
Total Analysis Volume [veh/h]	86	352	147	109	493	108	80	569	101	157	507	119
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	34	0	11	35	0	14	31	0	14	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	16	16	7	17	17	5	42	42	9	46	46
g / C, Green / Cycle	0.06	0.18	0.18	0.08	0.19	0.19	0.06	0.46	0.46	0.11	0.51	0.51
(v / s)_i Volume / Saturation Flow Rate	0.05	0.14	0.14	0.06	0.16	0.16	0.04	0.18	0.18	0.09	0.17	0.17
s, saturation flow rate [veh/h]	1810	1900	1714	1810	1900	1783	1810	1900	1802	1810	1900	1777
c, Capacity [veh/h]	111	341	308	138	370	347	106	876	831	191	965	903
d1, Uniform Delay [s]	41.65	35.10	35.18	40.87	34.86	34.89	41.74	15.95	15.96	39.45	13.12	13.13
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	11.09	3.55	4.18	9.70	5.03	5.47	10.40	1.32	1.40	8.62	0.94	1.00
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.78	0.76	0.78	0.79	0.84	0.84	0.76	0.39	0.39	0.82	0.33	0.34
d, Delay for Lane Group [s/veh]	52.74	38.65	39.37	50.58	39.90	40.37	52.14	17.26	17.35	48.07	14.06	14.14
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.16	5.52	5.12	2.66	6.73	6.39	1.96	4.37	4.18	3.65	3.55	3.35
50th-Percentile Queue Length [ft/ln]	53.97	138.04	128.01	66.58	168.17	159.70	48.98	109.32	104.43	91.24	88.86	83.76
95th-Percentile Queue Length [veh/ln]	3.89	9.38	8.83	4.79	10.98	10.53	3.53	7.80	7.52	6.57	6.40	6.03
95th-Percentile Queue Length [ft/ln]	97.14	234.38	220.78	119.84	274.50	263.32	88.17	195.06	187.98	164.24	159.95	150.77

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	52.74	38.83	39.37	50.58	40.07	40.37	52.14	17.30	17.35	48.07	14.09	14.14
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	41.01			41.73			21.02			20.91		
Approach LOS	D			D			C			C		
d_I, Intersection Delay [s/veh]	30.32											
Intersection LOS	C											
Intersection V/C	0.479											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.649	2.629	2.773	2.824
Crosswalk LOS	B	B	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	689	600	600
d_b, Bicycle Delay [s]	20.00	19.34	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.042	2.145	2.178	2.206
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 12: Base Line Rd at Project Dwy 1

Control Type:	Two-way stop	Delay (sec / veh):	10.1
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.008

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	1	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	483	428	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	241	102	0
Site-Generated Trips [veh/h]	0	9	0	139	31	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	-3	0	-1	5	3
Other Volume [veh/h]	0	0	0	0	11	0
Total Hourly Volume [veh/h]	0	6	0	872	586	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	2	0	218	147	1
Total Analysis Volume [veh/h]	0	6	0	872	586	3
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	0.00	10.13	0.00	0.00	0.00	0.00
Movement LOS		B		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.03	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.64	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	10.13		0.00		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	0.04					
Intersection LOS	B					

Intersection Level Of Service Report
Intersection 13: Base Line Rd at Project Dwy 2

Control Type:	Signalized	Delay (sec / veh):	6.9
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.274

Intersection Setup

Name							
Approach	Southbound		Eastbound			Westbound	
Lane Configuration							
Turning Movement	Left	Right	U-turn	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00			30.00	
Grade [%]	0.00		0.00			0.00	
Curb Present	No		No			No	
Crosswalk	Yes		No			No	

Volumes

Name							
Base Volume Input [veh/h]	0	0	17	0	411	483	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	241	102	0
Site-Generated Trips [veh/h]	4	28	0	139	0	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	-1	5	0	-1	0	3	3
Other Volume [veh/h]	0	0	0	0	5	27	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	33	17	138	665	628	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	8	4	35	166	157	1
Total Analysis Volume [veh/h]	3	33	17	138	665	628	3
Presence of On-Street Parking	No	No	No		No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0		0			0	
v_di, Inbound Pedestrian Volume crossing m	0		0			0	
v_co, Outbound Pedestrian Volume crossing	0		0			0	
v_ci, Inbound Pedestrian Volume crossing mi	0		0			0	
v_ab, Corner Pedestrian Volume [ped/h]	0		0			0	
Bicycle Volume [bicycles/h]	0		0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Protected	Permissive	Permissive	Permissive
Signal Group	7	0	0	1	2	6	0
Auxiliary Signal Groups							
Lead / Lag	Lead	-	-	Lead	-	-	-
Minimum Green [s]	6	0	0	6	6	6	0
Maximum Green [s]	30	0	0	30	30	30	0
Amber [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
All red [s]	1.0	0.0	0.0	1.0	1.0	1.0	0.0
Split [s]	10	0	0	24	50	26	0
Vehicle Extension [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
Walk [s]	5	0	0	0	5	5	0
Pedestrian Clearance [s]	10	0	0	0	10	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk	No				No	No	
I1, Start-Up Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
Minimum Recall	No			No	No	No	
Maximum Recall	No			No	No	No	
Pedestrian Recall	No			No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	L	C	C	C
C, Cycle Length [s]	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	3	7	49	39	39
g / C, Green / Cycle	0.05	0.11	0.82	0.64	0.64
(v / s)_i Volume / Saturation Flow Rate	0.02	0.09	0.18	0.17	0.17
s, saturation flow rate [veh/h]	1630	1810	3618	1900	1897
c, Capacity [veh/h]	75	206	2969	1217	1215
d1, Uniform Delay [s]	27.92	25.78	1.18	4.65	4.65
k, delay calibration	0.11	0.11	0.50	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.71	5.52	0.17	0.52	0.52
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.48	0.75	0.22	0.26	0.26
d, Delay for Lane Group [s/veh]	32.63	31.30	1.36	5.17	5.17
Lane Group LOS	C	C	A	A	A
Critical Lane Group	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.58	2.33	0.11	1.34	1.34
50th-Percentile Queue Length [ft/ln]	14.43	58.34	2.79	33.53	33.55
95th-Percentile Queue Length [veh/ln]	1.04	4.20	0.20	2.41	2.42
95th-Percentile Queue Length [ft/ln]	25.98	105.02	5.03	60.36	60.40

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	32.63	32.63	31.30	31.30	1.36	5.17	5.17
Movement LOS	C	C	C	C	A	A	A
d_A, Approach Delay [s/veh]	32.63		7.02			5.17	
Approach LOS	C		A			A	
d_I, Intersection Delay [s/veh]	6.85						
Intersection LOS	A						
Intersection V/C	0.274						

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	0.0	0.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	0.00	0.00
l_p,int, Pedestrian LOS Score for Intersection	1.782	0.000	0.000
Crosswalk LOS	A	F	F
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	200	1533	733
d_b, Bicycle Delay [s]	24.30	1.63	12.03
l_b,int, Bicycle LOS Score for Intersection	1.619	2.122	2.080
Bicycle LOS	A	B	B

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 14: Base Line Rd at Project Dwy 3

Control Type:	Two-way stop	Delay (sec / veh):	10.1
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.004

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	399	466	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	241	102	0
Site-Generated Trips [veh/h]	0	3	0	4	0	10
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	-1	5	-5
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	3	0	651	582	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	1	0	163	146	1
Total Analysis Volume [veh/h]	0	3	0	651	582	5
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	0.00	10.10	0.00	0.00	0.00	0.00
Movement LOS		B		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.01	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.32	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	10.10		0.00		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	0.02					
Intersection LOS	B					

Rialto Olive Avenue Development

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Report File: \...\5 OY 2020 CUM WP PM.pdf

Scenario 5 OY 2020 CUM WP PM
10/28/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Alder Ave at SR-210 WB Ramp	Signalized	HCM 6th Edition	WB Left	1.212	144.1	F
2	Alder Ave at SR-210 EB Ramps	Signalized	HCM 6th Edition	SB Left	1.258	161.2	F
3	Alder Ave at Renaissance Pkwy	Signalized	HCM 6th Edition	SB Left	1.129	134.7	F
4	Alder Ave at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.788	50.8	D
5	Ayala Dr at SR-210 WB Ramps	Signalized	HCM 6th Edition	WB Thru	0.846	44.1	D
6	Ayala Dr at SR-210 EB	Signalized	HCM 6th Edition	EB Right	0.948	47.8	D
7	Ayala Dr at Renaissance Pkwy	Signalized	HCM 6th Edition	EB Left	0.808	29.9	C
8	Ayala Dr at Fitzgerald Ave	Two-way stop	HCM 6th Edition	EB Left	0.076	146.1	F
9	Ayala Dr at Base Line Rd	Signalized	HCM 6th Edition	EB Left	0.671	78.9	E
10	Fitzgerald Ave at Base Line Rd	Two-way stop	HCM 6th Edition	SB Left	0.511	35.1	E
11	Cactus Ave at Base Line Rd	Signalized	HCM 6th Edition	SB Left	0.462	27.8	C
12	Base Line Rd at Project Dwy 1	Two-way stop	HCM 6th Edition	SB Right	0.035	11.6	B
13	Base Line Rd at Project Dwy 2	Signalized	HCM 6th Edition	SB Right	0.315	7.2	A
14	Base Line Rd at Project Dwy 3	Two-way stop	HCM 6th Edition	SB Right	0.017	10.8	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Alder Ave at SR-210 WB Ramp

Control Type:	Signalized	Delay (sec / veh):	144.1
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.212

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	1	0	0	0	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	185.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	333	434	0	0	389	253	0	0	0	267	0	124
Site-Generated Trips [veh/h]	51	0	0	0	0	0	0	0	0	18	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	826	876	0	0	721	630	0	0	0	538	5	260
Peak Hour Factor	0.9640	0.9640	1.0000	1.0000	0.9640	0.9640	1.0000	1.0000	1.0000	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	214	227	0	0	187	163	0	0	0	140	1	67
Total Analysis Volume [veh/h]	857	909	0	0	748	654	0	0	0	558	5	270
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	35	70	0	0	35	0	0	0	0	0	20	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C
C, Cycle Length [s]	90	90	90	90		90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00
g_i, Effective Green Time [s]	31	66	31	31		16	16
g / C, Green / Cycle	0.34	0.73	0.34	0.34		0.18	0.18
(v / s)_i Volume / Saturation Flow Rate	0.47	0.25	0.37	0.43		0.31	0.17
s, saturation flow rate [veh/h]	1810	3618	1900	1631		1810	1619
c, Capacity [veh/h]	623	2653	654	562		322	288
d1, Uniform Delay [s]	29.50	4.27	29.50	29.50		37.00	36.65
k, delay calibration	0.50	0.50	0.50	0.50		0.40	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00
d2, Incremental Delay [s]	178.74	0.35	55.78	125.68		340.71	16.04
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00

Lane Group Results

X, volume / capacity	1.37	0.34	1.07	1.25		1.73	0.96
d, Delay for Lane Group [s/veh]	208.24	4.63	85.28	155.18		377.71	52.69
Lane Group LOS	F	A	F	F		F	D
Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	42.92	1.87	22.71	30.41		37.00	6.84
50th-Percentile Queue Length [ft/ln]	1073.04	46.87	567.87	760.36		925.10	170.89
95th-Percentile Queue Length [veh/ln]	64.43	3.37	31.96	45.10		57.87	11.12
95th-Percentile Queue Length [ft/ln]	1610.75	84.36	799.07	1127.56		1446.64	278.08

Movement, Approach, & Intersection Results

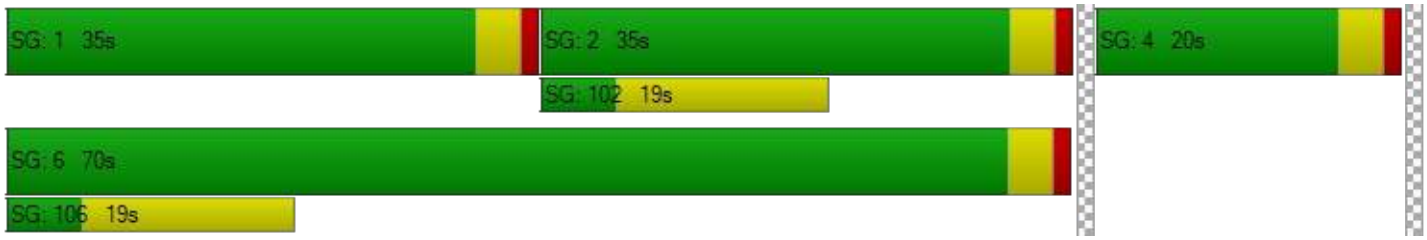
d_M, Delay for Movement [s/veh]	208.24	4.63	0.00	0.00	89.67	155.18	0.00	0.00	0.00	377.71	52.69	52.69
Movement LOS	F	A			F	F				F	D	D
d_A, Approach Delay [s/veh]	103.44			120.23			0.00			270.41		
Approach LOS	F			F			A			F		
d_I, Intersection Delay [s/veh]	144.08											
Intersection LOS	F											
Intersection V/C	1.212											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.903	2.393
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1467	689	0	356
d_b, Bicycle Delay [s]	3.20	19.34	45.00	30.42
l_b,int, Bicycle LOS Score for Intersection	3.017	2.716	4.132	2.934
Bicycle LOS	C	B	D	C

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Alder Ave at SR-210 EB Ramps

Control Type:	Signalized	Delay (sec / veh):	161.2
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.258

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	610	272	90	478	0	152	0	442	0	0	0
Site-Generated Trips [veh/h]	0	51	50	0	18	0	0	0	19	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	1224	643	300	856	0	468	8	839	0	0	0
Peak Hour Factor	1.0000	0.9820	0.9820	0.9820	0.9820	1.0000	0.9820	0.9820	0.9820	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	312	164	76	218	0	119	2	214	0	0	0
Total Analysis Volume [veh/h]	0	1246	655	305	872	0	477	8	854	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	38	0	14	52	0	0	38	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	34	34	10	48	34	34	
g / C, Green / Cycle	0.38	0.38	0.11	0.53	0.38	0.38	
(v / s)_i Volume / Saturation Flow Rate	0.50	0.56	0.17	0.24	0.27	0.53	
s, saturation flow rate [veh/h]	1900	1694	1810	3618	1811	1615	
c, Capacity [veh/h]	718	640	201	1929	684	610	
d1, Uniform Delay [s]	28.00	28.00	40.00	12.91	23.79	28.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.24	0.50	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	155.51	226.66	238.18	0.77	3.02	189.68	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	1.32	1.49	1.52	0.45	0.71	1.40	
d, Delay for Lane Group [s/veh]	183.51	254.66	278.18	13.68	26.81	217.68	
Lane Group LOS	F	F	F	B	C	F	
Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	44.58	52.39	17.47	4.73	8.37	43.68	
50th-Percentile Queue Length [ft/ln]	1114.39	1309.76	436.77	118.22	209.13	1092.01	
95th-Percentile Queue Length [veh/ln]	65.95	80.21	28.01	8.30	13.11	66.30	
95th-Percentile Queue Length [ft/ln]	1648.67	2005.16	700.24	207.38	327.72	1657.52	

Movement, Approach, & Intersection Results

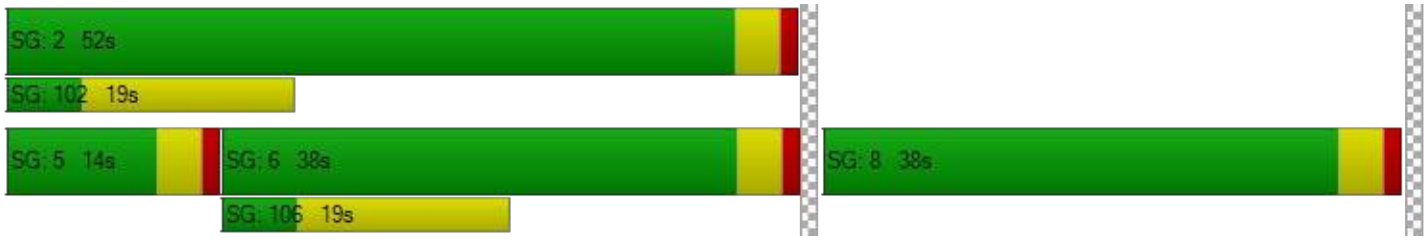
d_M, Delay for Movement [s/veh]	0.00	200.39	254.66	278.18	13.68	0.00	26.81	26.81	217.68	0.00	0.00	0.00
Movement LOS		F	F	F	B		C	C	F			
d_A, Approach Delay [s/veh]	219.09			82.22			148.55			0.00		
Approach LOS	F			F			F			A		
d_I, Intersection Delay [s/veh]	161.23											
Intersection LOS	F											
Intersection V/C	1.258											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.804	2.369
Crosswalk LOS	F	F	C	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	1067	756	0
d_b, Bicycle Delay [s]	17.42	9.80	17.42	45.00
l_b,int, Bicycle LOS Score for Intersection	3.128	2.531	3.769	4.132
Bicycle LOS	C	B	D	D

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 3: Alder Ave at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	134.7
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.129

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	120.00	100.00	100.00	270.00	100.00	100.00	315.00	100.00	315.00	310.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	49.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			45.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name												
Base Volume Input [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	51	374	12	449	296	117	102	147	45	13	95	294
Site-Generated Trips [veh/h]	3	101	0	0	37	0	0	0	1	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	54	1114	81	667	858	122	129	152	53	66	102	518
Peak Hour Factor	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560	0.9560
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	291	21	174	224	32	34	40	14	17	27	135
Total Analysis Volume [veh/h]	56	1165	85	698	897	128	135	159	55	69	107	542
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	35	0	39	64	0	11	34	0	12	35	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	25	0	0	25	0	0	25	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	5	31	31	35	61	61	7	32	32	6	31	31
g / C, Green / Cycle	0.04	0.26	0.26	0.29	0.51	0.51	0.06	0.27	0.27	0.05	0.26	0.26
(v / s)_i Volume / Saturation Flow Rate	0.03	0.33	0.33	0.39	0.27	0.28	0.07	0.06	0.06	0.04	0.06	0.34
s, saturation flow rate [veh/h]	1810	1900	1855	1810	1900	1819	1810	1900	1738	1810	1900	1615
c, Capacity [veh/h]	77	491	479	528	964	923	106	507	464	90	491	417
d1, Uniform Delay [s]	56.74	44.50	44.50	42.50	20.02	20.21	56.50	34.24	34.32	56.30	34.97	44.50
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	12.02	143.84	145.66	157.98	2.14	2.36	140.61	0.21	0.24	12.42	0.22	151.27
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.72	1.29	1.29	1.32	0.54	0.55	1.28	0.22	0.22	0.76	0.22	1.30
d, Delay for Lane Group [s/veh]	68.75	188.34	190.16	200.48	22.16	22.57	197.11	34.46	34.56	68.72	35.19	195.77
Lane Group LOS	E	F	F	F	C	C	F	C	C	E	D	F
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.88	33.46	32.91	37.93	9.54	9.50	7.24	2.46	2.34	2.33	2.43	29.43
50th-Percentile Queue Length [ft/ln]	47.09	836.56	822.81	948.20	238.54	237.53	181.04	61.56	58.56	58.23	60.73	735.82
95th-Percentile Queue Length [veh/ln]	3.39	49.26	48.59	56.14	14.61	14.56	12.47	4.43	4.22	4.19	4.37	44.06
95th-Percentile Queue Length [ft/ln]	84.76	1231.59	1214.72	1403.49	365.18	363.90	311.85	110.80	105.41	104.81	109.31	1101.44

Movement, Approach, & Intersection Results

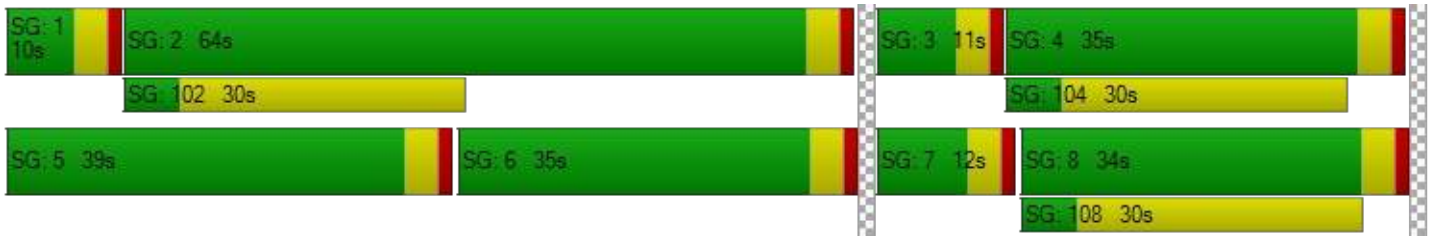
d_M, Delay for Movement [s/veh]	68.75	189.17	190.16	200.48	22.33	22.57	197.11	34.49	34.56	68.72	35.19	195.77
Movement LOS	E	F	F	F	C	C	F	C	C	E	D	F
d_A, Approach Delay [s/veh]	184.07			94.52			97.40			159.63		
Approach LOS	F			F			F			F		
d_I, Intersection Delay [s/veh]	134.73											
Intersection LOS	F											
Intersection V/C	1.129											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	0.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	51.34	51.34	51.34	0.00
l_p,int, Pedestrian LOS Score for Intersection	3.071	3.474	2.502	0.000
Crosswalk LOS	C	C	B	F
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	517	1000	500	517
d_b, Bicycle Delay [s]	33.00	15.00	33.75	33.00
l_b,int, Bicycle LOS Score for Intersection	2.637	2.981	1.848	2.152
Bicycle LOS	B	C	A	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Alder Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	50.8
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.788

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	1	1	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	180.00	100.00	180.00	160.00	100.00	100.00	210.00	100.00	650.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	38	327	39	75	285	123	103	477	48	37	339	46
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	206	15	59	78	16	89	42	0	45	102	123
Site-Generated Trips [veh/h]	0	0	0	38	0	0	0	3	0	0	6	104
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	39	540	55	174	369	141	194	532	49	83	454	274
Peak Hour Factor	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780	0.9780
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	138	14	44	94	36	50	136	13	21	116	70
Total Analysis Volume [veh/h]	40	552	56	178	377	144	198	544	50	85	464	280
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Permiss	Protecte	Permiss	Overlap
Signal Group	1	6	0	5	2	2	3	8	0	7	4	4
Auxiliary Signal Groups						2,3						4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	31	0	13	34	34	12	30	0	16	34	34
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0
Walk [s]	0	5	0	0	5	5	0	5	0	0	5	5
Pedestrian Clearance [s]	0	20	0	0	25	25	0	24	0	0	25	25
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No	No	No	No		No	No	No
Maximum Recall	No	No		No	No	No	No	No		No	No	No
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	R	L	C	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	4	29	9	34	46	8	30	6	28	41
g / C, Green / Cycle	0.04	0.32	0.10	0.38	0.52	0.09	0.34	0.06	0.31	0.45
(v / s)_i Volume / Saturation Flow Rate	0.02	0.33	0.10	0.20	0.09	0.11	0.32	0.05	0.24	0.17
s, saturation flow rate [veh/h]	1810	1870	1810	1900	1615	1810	1872	1810	1900	1615
c, Capacity [veh/h]	77	608	181	727	833	161	628	112	586	731
d1, Uniform Delay [s]	42.19	30.37	40.43	21.40	11.58	41.00	29.12	41.56	28.49	16.31
k, delay calibration	0.11	0.50	0.11	0.50	0.50	0.11	0.37	0.11	0.25	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.34	36.56	27.39	2.64	0.45	115.54	20.21	10.10	5.63	0.33
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.52	1.00	0.98	0.52	0.17	1.23	0.95	0.76	0.79	0.38
d, Delay for Lane Group [s/veh]	47.53	66.93	67.82	24.03	12.03	156.54	49.33	51.66	34.13	16.64
Lane Group LOS	D	F	E	C	B	F	D	D	C	B
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.94	17.96	5.07	6.01	1.42	8.51	14.67	2.07	9.20	3.42
50th-Percentile Queue Length [ft/ln]	23.46	448.95	126.75	150.20	35.45	212.84	366.68	51.71	230.06	85.39
95th-Percentile Queue Length [veh/ln]	1.69	24.91	8.76	10.03	2.55	14.26	20.95	3.72	14.18	6.15
95th-Percentile Queue Length [ft/ln]	42.22	622.78	219.07	250.69	63.81	356.41	523.70	93.07	354.43	153.70

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	47.53	66.93	66.93	67.82	24.03	12.03	156.54	49.33	49.33	51.66	34.13	16.64
Movement LOS	D	E	E	E	C	B	F	D	D	D	C	B
d_A, Approach Delay [s/veh]	65.73			32.71			76.13			30.02		
Approach LOS	E			C			E			C		
d_I, Intersection Delay [s/veh]	50.75											
Intersection LOS	D											
Intersection V/C	0.788											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.570	2.863	2.722	2.824
Crosswalk LOS	B	C	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	600	667	578	667
d_b, Bicycle Delay [s]	22.05	20.00	22.76	20.00
l_b,int, Bicycle LOS Score for Intersection	2.629	2.713	2.866	2.927
Bicycle LOS	B	B	C	C

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: Ayala Dr at SR-210 WB Ramps

Control Type:	Signalized	Delay (sec / veh):	44.1
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.846

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	0	0	0	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	235.00	100.00	235.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No						No		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	546	415	0	0	502	204	0	0	0	649	6	280
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0000	1.0200	1.0200	1.0000	1.0000	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	114	249	0	0	273	98	0	0	0	395	0	180
Site-Generated Trips [veh/h]	11	3	0	0	1	0	0	0	0	4	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	682	675	0	0	786	306	0	0	0	1061	6	466
Peak Hour Factor	0.9660	0.9660	1.0000	1.0000	0.9660	0.9660	1.0000	1.0000	1.0000	0.9660	0.9660	0.9660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	177	175	0	0	203	79	0	0	0	275	2	121
Total Analysis Volume [veh/h]	706	699	0	0	814	317	0	0	0	1098	6	482
Presence of On-Street Parking	No		No	No		No				No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	6	6	0	0	6	0	0	0	0	0	6	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	22	57	0	0	35	0	0	0	0	0	33	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	25	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No						No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C		L	C	R
C, Cycle Length [s]	90	90	90	90		90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00		4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00		2.00	2.00	2.00
g_i, Effective Green Time [s]	18	53	31	31		29	29	29
g / C, Green / Cycle	0.20	0.59	0.34	0.34		0.32	0.32	0.32
(v / s)_i Volume / Saturation Flow Rate	0.20	0.19	0.30	0.33		0.29	0.32	0.30
s, saturation flow rate [veh/h]	3514	3618	1900	1729		1810	1810	1615
c, Capacity [veh/h]	703	2130	654	596		583	583	520
d1, Uniform Delay [s]	36.00	9.43	27.53	28.74		29.20	30.30	29.47
k, delay calibration	0.11	0.50	0.50	0.50		0.36	0.42	0.37
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00
d2, Incremental Delay [s]	16.87	0.41	14.19	26.34		15.72	30.83	20.20
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00		1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00		1.00	1.00	1.00

Lane Group Results

X, volume / capacity	1.00	0.33	0.86	0.95		0.91	0.99	0.93
d, Delay for Lane Group [s/veh]	52.87	9.84	41.73	55.08		44.93	61.13	49.67
Lane Group LOS	F	A	D	E		D	E	D
Critical Lane Group	Yes	No	No	Yes		No	Yes	No
50th-Percentile Queue Length [veh/ln]	8.77	2.93	12.72	14.94		12.37	16.09	11.96
50th-Percentile Queue Length [ft/ln]	219.14	73.28	318.04	373.56		309.23	402.18	298.90
95th-Percentile Queue Length [veh/ln]	13.65	5.28	18.57	21.28		18.14	22.66	17.63
95th-Percentile Queue Length [ft/ln]	341.31	131.91	464.28	532.05		453.43	566.62	440.67

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	52.87	9.84	0.00	0.00	45.80	55.08	0.00	0.00	0.00	53.33	61.13	49.67
Movement LOS	F	A			D	E				D	E	D
d_A, Approach Delay [s/veh]	31.46			48.40			0.00			52.25		
Approach LOS	C			D			A			D		
d_I, Intersection Delay [s/veh]	44.11											
Intersection LOS	D											
Intersection V/C	0.846											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.218	2.801
Crosswalk LOS	F	F	B	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1178	689	0	644
d_b, Bicycle Delay [s]	7.61	19.34	45.00	20.67
l_b,int, Bicycle LOS Score for Intersection	2.719	2.493	4.132	4.177
Bicycle LOS	B	B	D	D

Sequence

Ring 1	1	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 6: Ayala Dr at SR-210 EB

Control Type:	Signalized	Delay (sec / veh):	47.8
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.948

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	220.00	130.00	100.00	100.00	250.00	100.00	250.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	50.00			50.00			50.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No					
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	0	719	660	250	824	0	226	1	574	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	215	231	157	493	0	127	0	84	0	0	0
Site-Generated Trips [veh/h]	0	14	9	0	5	0	0	0	4	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	962	913	412	1338	0	358	1	673	0	0	0
Peak Hour Factor	1.0000	0.9450	0.9450	0.9450	0.9450	1.0000	0.9450	0.9450	0.9450	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	254	242	109	354	0	95	0	178	0	0	0
Total Analysis Volume [veh/h]	0	1018	966	436	1416	0	379	1	712	0	0	0
Presence of On-Street Parking	No		No	No		No	No		No			
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing		0			0			0			0	
v_di, Inbound Pedestrian Volume crossing m		0			0			0			0	
v_co, Outbound Pedestrian Volume crossing		0			0			0			0	
v_ci, Inbound Pedestrian Volume crossing mi		0			0			0			0	
v_ab, Corner Pedestrian Volume [ped/h]		0			0			0			0	
Bicycle Volume [bicycles/h]		0			0			0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	6	6	0	0	6	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	52	0	16	68	0	0	22	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	21	0	0	22	0	0	17	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No				
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	R	L	C	L	C	R	
C, Cycle Length [s]	90	90	90	90	90	90	90	
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
g_i, Effective Green Time [s]	48	48	12	64	18	18	18	
g / C, Green / Cycle	0.53	0.53	0.13	0.71	0.20	0.20	0.20	
(v / s)_i Volume / Saturation Flow Rate	0.28	0.60	0.12	0.39	0.20	0.22	0.23	
s, saturation flow rate [veh/h]	3618	1615	3514	3618	1810	1623	1615	
c, Capacity [veh/h]	1929	861	469	2573	362	325	323	
d1, Uniform Delay [s]	13.64	21.00	38.59	6.17	36.00	36.00	36.00	
k, delay calibration	0.50	0.50	0.11	0.50	0.16	0.21	0.21	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.04	69.79	8.70	0.85	28.14	71.22	73.50	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.53	1.12	0.93	0.55	1.01	1.12	1.13	
d, Delay for Lane Group [s/veh]	14.67	90.79	47.29	7.02	64.14	107.22	109.50	
Lane Group LOS	B	F	D	A	F	F	F	
Critical Lane Group	No	Yes	Yes	No	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	5.86	31.23	5.01	4.29	10.16	13.00	13.14	
50th-Percentile Queue Length [ft/ln]	146.38	780.79	125.36	107.36	254.01	324.91	328.46	
95th-Percentile Queue Length [veh/ln]	9.82	44.10	8.69	7.69	15.43	20.02	20.25	
95th-Percentile Queue Length [ft/ln]	245.59	1102.42	217.17	192.33	385.87	500.56	506.32	

Movement, Approach, & Intersection Results

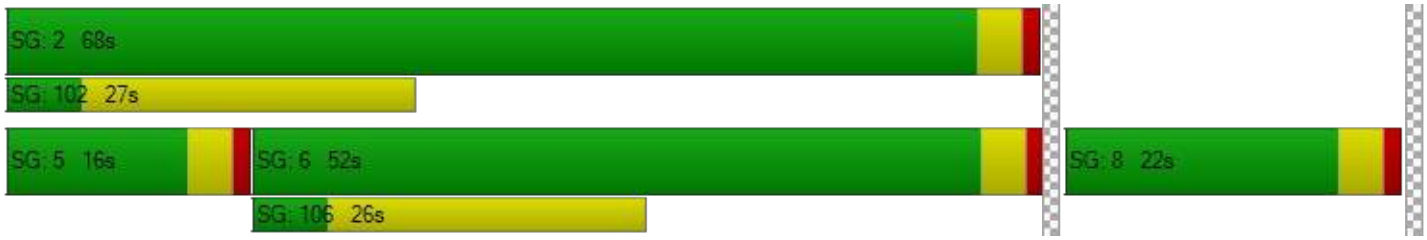
d_M, Delay for Movement [s/veh]	0.00	14.67	90.79	47.29	7.02	0.00	65.84	107.22	108.38	0.00	0.00	0.00
Movement LOS		B	F	D	A		E	F	F			
d_A, Approach Delay [s/veh]	51.74			16.50			93.62			0.00		
Approach LOS	D			B			F			A		
d_I, Intersection Delay [s/veh]	47.78											
Intersection LOS	D											
Intersection V/C	0.948											

Other Modes

g_Walk,mi, Effective Walk Time [s]	0.0	0.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	0.00	0.00	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	0.000	0.000	2.533	2.400
Crosswalk LOS	F	F	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1067	1422	400	0
d_b, Bicycle Delay [s]	9.80	3.76	28.80	45.00
l_b,int, Bicycle LOS Score for Intersection	3.196	3.088	3.361	4.132
Bicycle LOS	C	C	C	D

Sequence

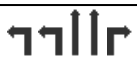
Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 7: Ayala Dr at Renaissance Pkwy

Control Type:	Signalized	Delay (sec / veh):	29.9
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.808

Intersection Setup

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	285.00	100.00	190.00	200.00	100.00	100.00	320.00	100.00	160.00	90.00	100.00	250.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	115	678	41	245	591	565	471	181	124	37	151	226
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	76	230	0	12	157	316	131	53	131	0	239	6
Site-Generated Trips [veh/h]	0	23	6	0	9	0	0	0	0	2	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	193	945	48	262	769	892	611	238	257	40	393	237
Peak Hour Factor	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	49	238	12	66	194	225	154	60	65	10	99	60
Total Analysis Volume [veh/h]	195	953	48	264	775	899	616	240	259	40	396	239
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	6	6	6	6	6	6	6	6	6	6
Maximum Green [s]	30	30	30	30	30	30	30	30	30	30	30	30
Amber [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All red [s]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Split [s]	12	29	29	12	29	29	20	39	39	10	29	29
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Walk [s]	0	5	5	0	5	5	0	5	5	0	5	5
Pedestrian Clearance [s]	0	20	20	0	20	20	0	20	20	0	20	20
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00	2.00	2.00	0.00
g_i, Effective Green Time [s]	8	37	45	8	37	57	16	25	37	4	13	25
g / C, Green / Cycle	0.09	0.41	0.50	0.09	0.41	0.64	0.18	0.28	0.41	0.04	0.14	0.28
(v / s)_i Volume / Saturation Flow Rate	0.06	0.26	0.03	0.08	0.21	0.56	0.18	0.07	0.16	0.01	0.11	0.15
s, saturation flow rate [veh/h]	3514	3618	1615	3514	3618	1615	3514	3618	1615	3514	3618	1615
c, Capacity [veh/h]	312	1492	807	312	1492	1025	625	1007	665	149	518	446
d1, Uniform Delay [s]	39.55	21.09	11.62	40.39	19.77	13.55	36.89	25.10	18.55	41.73	37.10	27.65
k, delay calibration	0.11	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.04	2.11	0.14	6.24	1.30	10.53	13.77	0.12	0.37	0.95	2.39	1.00
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.62	0.64	0.06	0.85	0.52	0.88	0.99	0.24	0.39	0.27	0.76	0.54
d, Delay for Lane Group [s/veh]	41.59	23.20	11.76	46.63	21.07	24.07	50.66	25.22	18.92	42.68	39.49	28.65
Lane Group LOS	D	C	B	D	C	C	D	C	B	D	D	C
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.05	7.48	0.46	2.98	5.64	13.80	7.46	1.85	3.44	0.43	4.09	4.14
50th-Percentile Queue Length [ft/ln]	51.21	186.90	11.57	74.50	140.88	344.95	186.38	46.23	85.96	10.68	102.37	103.45
95th-Percentile Queue Length [veh/ln]	3.69	11.96	0.83	5.36	9.53	19.89	11.93	3.33	6.19	0.77	7.37	7.45
95th-Percentile Queue Length [ft/ln]	92.18	299.01	20.82	134.11	238.20	497.25	298.33	83.22	154.74	19.23	184.26	186.21

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	41.59	23.20	11.76	46.63	21.07	24.07	50.66	25.22	18.92	42.68	39.49	28.65
Movement LOS	D	C	B	D	C	C	D	C	B	D	D	C
d_A, Approach Delay [s/veh]	25.74			25.94			37.81			35.84		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	29.94											
Intersection LOS	C											
Intersection V/C	0.808											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.122	3.465	3.200	2.880
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	556	556	778	556
d_b, Bicycle Delay [s]	23.47	23.47	16.81	23.47
l_b,int, Bicycle LOS Score for Intersection	2.546	3.158	2.479	2.116
Bicycle LOS	B	C	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 8: Ayala Dr at Fitzgerald Ave

Control Type:	Two-way stop	Delay (sec / veh):	146.1
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.076

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Entry Pocket Length [ft]	110.00	100.00	100.00	125.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	50.00			50.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	235	0	0	186	0	0	0	0	0	0	1
Site-Generated Trips [veh/h]	0	20	0	7	4	0	0	0	0	0	0	9
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	1008	6	150	877	2	2	0	5	6	1	147
Peak Hour Factor	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290	0.9290
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	271	2	40	236	1	1	0	1	2	0	40
Total Analysis Volume [veh/h]	4	1085	6	161	944	2	2	0	5	6	1	158
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.25	0.01	0.00	0.08	0.00	0.01	0.17	0.04	0.32
d_M, Delay for Movement [s/veh]	9.93	0.00	0.00	12.39	0.00	0.00	146.08	144.46	15.68	128.25	144.58	16.96
Movement LOS	A	A	A	B	A	A	F	F	C	F	F	C
95th-Percentile Queue Length [veh/ln]	0.02	0.00	0.00	0.98	0.00	0.00	0.27	0.27	0.27	0.54	1.63	1.63
95th-Percentile Queue Length [ft/ln]	0.41	0.00	0.00	24.44	0.00	0.00	6.80	6.80	6.80	13.52	40.63	40.63
d_A, Approach Delay [s/veh]	0.04			1.80			52.94			21.78		
Approach LOS	A			A			F			C		
d_I, Intersection Delay [s/veh]	2.53											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 9: Ayala Dr at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	78.9
Analysis Method:	HCM 6th Edition	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.671

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	250.00	100.00	100.00	305.00	100.00	100.00	220.00	100.00	100.00	230.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	1	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.21	0.00	0.00	0.00
Speed [mph]	50.00			50.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	129	593	106	76	530	77	139	392	151	86	351	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	182	91	0	5	110	63	129	110	112	0	189	2
Site-Generated Trips [veh/h]	0	0	2	4	0	0	0	41	0	6	110	20
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	314	696	110	87	651	142	271	551	266	94	657	78
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	81	179	28	22	168	37	70	142	69	24	169	20
Total Analysis Volume [veh/h]	324	718	113	90	671	146	279	568	274	97	677	80
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	32	0	10	32	0	11	37	0	11	37	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	23	0	0	23	0	0	26	0	0	28	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	23	23	5	23	23	7	39	39	6	38	38
g / C, Green / Cycle	0.07	0.26	0.26	0.06	0.25	0.25	0.08	0.44	0.44	0.07	0.43	0.43
(v / s)_i Volume / Saturation Flow Rate	0.09	0.22	0.22	0.03	0.22	0.22	0.15	0.23	0.23	0.05	0.20	0.20
s, saturation flow rate [veh/h]	3514	1900	1811	3514	1900	1784	1810	1900	1694	1810	1900	1830
c, Capacity [veh/h]	234	491	468	211	478	449	141	826	737	125	810	780
d1, Uniform Delay [s]	42.00	31.89	31.91	40.80	32.38	32.38	41.50	18.75	18.77	41.23	18.59	18.60
k, delay calibration	0.11	0.21	0.21	0.11	0.20	0.21	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	178.15	8.70	9.19	1.36	9.68	10.24	447.57	2.51	2.82	9.96	2.00	2.08
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	1.38	0.87	0.87	0.43	0.88	0.88	1.98	0.54	0.54	0.78	0.48	0.48
d, Delay for Lane Group [s/veh]	220.15	40.59	41.10	42.16	42.06	42.63	489.07	21.26	21.59	51.19	20.60	20.68
Lane Group LOS	F	D	D	D	D	D	F	C	C	D	C	C
Critical Lane Group	Yes	No	No	No	No	Yes	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	8.25	9.27	8.92	0.95	9.37	8.87	20.44	6.56	5.93	2.34	5.55	5.36
50th-Percentile Queue Length [ft/ln]	206.23	231.76	222.93	23.76	234.25	221.76	510.94	163.96	148.23	58.57	138.64	134.07
95th-Percentile Queue Length [veh/ln]	14.18	14.26	13.81	1.71	14.39	13.75	32.96	10.76	9.92	4.22	9.41	9.16
95th-Percentile Queue Length [ft/ln]	354.49	356.60	345.36	42.76	359.75	343.87	824.07	268.96	248.06	105.42	235.20	229.02

Movement, Approach, & Intersection Results

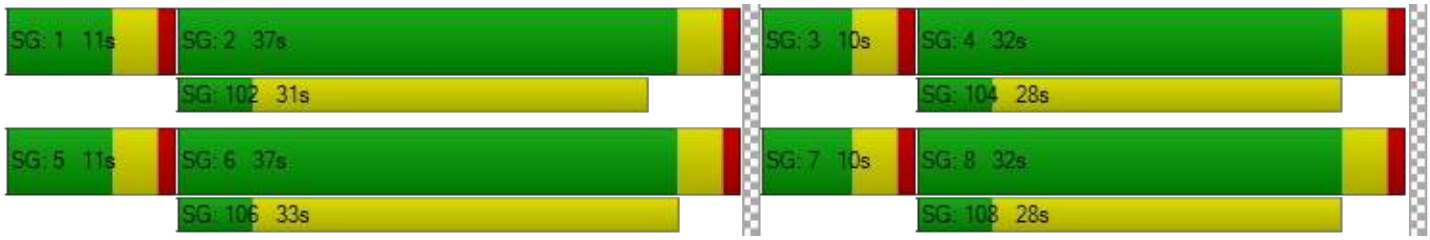
d_M, Delay for Movement [s/veh]	220.15	40.80	41.10	42.16	42.27	42.63	489.07	21.33	21.59	51.19	20.63	20.68
Movement LOS	F	D	D	D	D	D	F	C	C	D	C	C
d_A, Approach Delay [s/veh]	91.14			42.31			137.81			24.11		
Approach LOS	F			D			F			C		
d_I, Intersection Delay [s/veh]	78.95											
Intersection LOS	E											
Intersection V/C	0.671											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	3.049	2.992	3.038	2.829
Crosswalk LOS	C	C	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	622	622	733	733
d_b, Bicycle Delay [s]	21.36	21.36	18.05	18.05
l_b,int, Bicycle LOS Score for Intersection	2.512	2.308	2.484	2.264
Bicycle LOS	B	B	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 10: Fitzgerald Ave at Base Line Rd

Control Type:	Two-way stop	Delay (sec / veh):	35.1
Analysis Method:	HCM 6th Edition	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.511

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	49.21
Speed [mph]	30.00		50.00		50.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

Volumes

Name						
Base Volume Input [veh/h]	120	49	30	561	459	114
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	97	181	0
Site-Generated Trips [veh/h]	7	0	0	47	136	9
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	129	50	31	716	785	125
Peak Hour Factor	0.9520	0.9520	0.9520	0.9520	0.9520	0.9520
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	13	8	188	206	33
Total Analysis Volume [veh/h]	136	53	33	752	825	131
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane	No		
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.51	0.10	0.05	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	35.10	28.25	10.18	0.00	0.00	0.00
Movement LOS	E	D	B	A	A	A
95th-Percentile Queue Length [veh/ln]	3.75	3.75	0.14	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	93.84	93.84	3.56	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	33.18		0.43		0.00	
Approach LOS	D		A		A	
d_I, Intersection Delay [s/veh]	3.42					
Intersection LOS	E					

Intersection Level Of Service Report
Intersection 11: Cactus Ave at Base Line Rd

Control Type:	Signalized	Delay (sec / veh):	27.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.462

Intersection Setup

Name											
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	265.00	100.00	100.00	150.00	100.00	100.00	250.00	100.00	100.00	240.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			50.00			50.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name												
Base Volume Input [veh/h]	92	378	90	89	247	53	68	505	81	102	399	76
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0200	1.0200	1.0200	1.0000	1.0000	1.0000	1.0000	1.0200	1.0000	1.0200
In-Process Volume [veh/h]	4	0	0	0	0	7	12	89	7	0	185	0
Site-Generated Trips [veh/h]	2	0	0	0	0	0	0	6	6	0	2	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	98	386	92	91	252	60	80	600	94	104	586	78
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	105	25	25	68	16	22	163	26	28	159	21
Total Analysis Volume [veh/h]	107	420	100	99	274	65	87	652	102	113	637	85
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	3	8	0	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	17	38	0	10	31	0	11	31	0	11	31	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	22	0	0	22	0	0	22	0	0	22	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	C	L	C	C
C, Cycle Length [s]	90	90	90	90	90	90	90	90	90	90	90	90
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	7	16	16	6	15	15	6	45	45	7	47	47
g / C, Green / Cycle	0.08	0.17	0.17	0.07	0.16	0.16	0.06	0.51	0.51	0.08	0.52	0.52
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.14	0.05	0.09	0.09	0.05	0.20	0.20	0.06	0.19	0.19
s, saturation flow rate [veh/h]	1810	1900	1776	1810	1900	1777	1810	1900	1811	1810	1900	1823
c, Capacity [veh/h]	138	329	307	121	310	290	112	959	914	141	989	949
d1, Uniform Delay [s]	40.80	35.82	35.87	41.47	34.67	34.74	41.59	13.85	13.85	40.82	12.83	12.84
k, delay calibration	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.50	0.50	0.11	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.86	4.90	5.44	12.74	1.58	1.76	10.83	1.26	1.32	10.10	1.08	1.12
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.81	0.82	0.82	0.56	0.57	0.78	0.40	0.40	0.80	0.37	0.37
d, Delay for Lane Group [s/veh]	49.66	40.72	41.31	54.21	36.24	36.50	52.43	15.11	15.17	50.93	13.91	13.96
Lane Group LOS	D	D	D	D	D	D	D	B	B	D	B	B
Critical Lane Group	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.59	5.85	5.57	2.52	3.49	3.35	2.13	4.49	4.30	2.72	4.03	3.88
50th-Percentile Queue Length [ft/ln]	64.70	146.36	139.17	63.03	87.34	83.78	53.36	112.14	107.42	67.92	100.78	97.08
95th-Percentile Queue Length [veh/ln]	4.66	9.82	9.44	4.54	6.29	6.03	3.84	7.96	7.70	4.89	7.26	6.99
95th-Percentile Queue Length [ft/ln]	116.45	245.56	235.91	113.45	157.21	150.81	96.04	198.98	192.41	122.25	181.41	174.75

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	49.66	40.93	41.31	54.21	36.34	36.50	52.43	15.14	15.17	50.93	13.93	13.96
Movement LOS	D	D	D	D	D	D	D	B	B	D	B	B
d_A, Approach Delay [s/veh]	42.48			40.40			19.00			18.94		
Approach LOS	D			D			B			B		
d_I, Intersection Delay [s/veh]	27.77											
Intersection LOS	C											
Intersection V/C	0.462											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	36.45	36.45	36.45	36.45
l_p,int, Pedestrian LOS Score for Intersection	2.592	2.569	2.838	2.849
Crosswalk LOS	B	B	C	C
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	756	600	600	600
d_b, Bicycle Delay [s]	17.42	22.05	22.05	22.05
l_b,int, Bicycle LOS Score for Intersection	2.077	1.921	2.253	2.248
Bicycle LOS	B	A	B	B

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 12: Base Line Rd at Project Dwy 1

Control Type:	Two-way stop	Delay (sec / veh):	11.6
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.035

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	1	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	654	561	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	89	185	0
Site-Generated Trips [veh/h]	0	35	0	54	110	0
Diverted Trips [veh/h]	0	-15	0	0	16	1
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	7	0
Total Hourly Volume [veh/h]	0	20	0	810	890	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	5	0	203	223	0
Total Analysis Volume [veh/h]	0	20	0	810	890	1
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	1	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.04	0.00	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	0.00	11.60	0.00	0.00	0.00	0.00
Movement LOS		B		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.11	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	2.74	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	11.60		0.00		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	0.13					
Intersection LOS	B					

Intersection Level Of Service Report
Intersection 13: Base Line Rd at Project Dwy 2

Control Type:	Signalized	Delay (sec / veh):	7.2
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.315

Intersection Setup

Name							
Approach	Southbound		Eastbound			Westbound	
Lane Configuration							
Turning Movement	Left	Right	U-turn	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00			30.00	
Grade [%]	0.00		0.00			0.00	
Curb Present	No		No			No	
Crosswalk	Yes		No			No	

Volumes

Name							
Base Volume Input [veh/h]	0	0	9	0	654	552	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0000	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	89	185	0
Site-Generated Trips [veh/h]	12	101	0	54	0	9	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	-1	14	0	0	0	3	1
Other Volume [veh/h]	0	0	0	0	0	10	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	11	115	9	54	756	770	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	29	2	14	189	193	0
Total Analysis Volume [veh/h]	11	115	9	54	756	770	1
Presence of On-Street Parking	No	No	No		No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0		0			0	
v_di, Inbound Pedestrian Volume crossing m	0		0			0	
v_co, Outbound Pedestrian Volume crossing	0		0			0	
v_ci, Inbound Pedestrian Volume crossing mi	0		0			0	
v_ab, Corner Pedestrian Volume [ped/h]	0		0			0	
Bicycle Volume [bicycles/h]	0		0			0	

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Protected	Permissive	Permissive	Permissive
Signal Group	7	0	0	1	2	6	0
Auxiliary Signal Groups							
Lead / Lag	Lead	-	-	Lead	-	-	-
Minimum Green [s]	6	0	0	6	6	6	0
Maximum Green [s]	30	0	0	30	30	30	0
Amber [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
All red [s]	1.0	0.0	0.0	1.0	1.0	1.0	0.0
Split [s]	21	0	0	10	39	29	0
Vehicle Extension [s]	3.0	0.0	0.0	3.0	3.0	3.0	0.0
Walk [s]	5	0	0	0	5	5	0
Pedestrian Clearance [s]	10	0	0	0	10	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk	No				No	No	
I1, Start-Up Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	0.0	0.0	2.0	2.0	2.0	0.0
Minimum Recall	No			No	No	No	
Maximum Recall	No			No	No	No	
Pedestrian Recall	No			No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	L	C	C	C
C, Cycle Length [s]	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	6	4	46	38	38
g / C, Green / Cycle	0.10	0.07	0.77	0.64	0.64
(v / s)_i Volume / Saturation Flow Rate	0.08	0.03	0.21	0.20	0.20
s, saturation flow rate [veh/h]	1630	1810	3618	1900	1899
c, Capacity [veh/h]	163	119	2773	1205	1205
d1, Uniform Delay [s]	26.33	27.14	2.07	5.03	5.03
k, delay calibration	0.11	0.11	0.50	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	7.50	3.65	0.24	0.70	0.70
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.53	0.27	0.32	0.32
d, Delay for Lane Group [s/veh]	33.82	30.79	2.31	5.73	5.74
Lane Group LOS	C	C	A	A	A
Critical Lane Group	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.00	0.95	0.57	1.78	1.78
50th-Percentile Queue Length [ft/ln]	49.91	23.72	14.18	44.43	44.44
95th-Percentile Queue Length [veh/ln]	3.59	1.71	1.02	3.20	3.20
95th-Percentile Queue Length [ft/ln]	89.84	42.70	25.52	79.98	80.00

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	33.82	33.82	30.79	30.79	2.31	5.74	5.74
Movement LOS	C	C	C	C	A	A	A
d_A, Approach Delay [s/veh]	33.82		4.50			5.74	
Approach LOS	C		A			A	
d_I, Intersection Delay [s/veh]	7.21						
Intersection LOS	A						
Intersection V/C	0.315						

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	0.0	0.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	0.00	0.00
l_p,int, Pedestrian LOS Score for Intersection	1.784	0.000	0.000
Crosswalk LOS	A	F	F
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	567	1167	833
d_b, Bicycle Delay [s]	15.41	5.21	10.21
l_b,int, Bicycle LOS Score for Intersection	1.768	2.191	2.196
Bicycle LOS	A	B	B

Sequence

Ring 1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 14: Base Line Rd at Project Dwy 3

Control Type:	Two-way stop	Delay (sec / veh):	10.8
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.017

Intersection Setup

Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name						
Base Volume Input [veh/h]	0	0	0	646	543	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0200	1.0000	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	89	185	0
Site-Generated Trips [veh/h]	0	9	0	12	0	4
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	2	0	-1	2	-2
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	11	0	759	741	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	3	0	190	185	1
Total Analysis Volume [veh/h]	0	11	0	759	741	2
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Stop	Free	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance	No		
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.02	0.00	0.01	0.01	0.00
d_M, Delay for Movement [s/veh]	0.00	10.80	0.00	0.00	0.00	0.00
Movement LOS		B		A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.05	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	1.33	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	10.80		0.00		0.00	
Approach LOS	B		A		A	
d_I, Intersection Delay [s/veh]	0.08					
Intersection LOS	B					

Option 2: Mitigation - Alder Ave at SR-210 WB Ramp

Number	1											
Intersection	Alder Ave at SR-210 WB Ramp											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	268	397	0	0	227	430	0	0	0	245	2	254
Total Analysis Volume [veh/h]	771	1024	0	0	690	624	0	0	0	801	2	374

Intersection Settings

Cycle Length [s]	90											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	0	0	0	0	5	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	20	54	0	0	34	0	0	0	0	0	36	0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.18	0.56	0.33	0.33		0.36	0.36
(v / s)_i Volume / Saturation Flow Rate	0.22	0.28	0.35	0.40		0.44	0.23
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900		1900	1900
Arrival type	3		3		3	3	
s, saturation flow rate [veh/h]	3514	3618	1900	1627		1810	1616
c, Capacity [veh/h]	625	2010	633	542		643	575
X, volume / capacity	1.23	0.51	1.04	1.21		1.24	0.65
d, Delay for Lane Group [s/veh]	145.55	13.32	75.79	141.31		151.98	26.68
Lane Group LOS	F	B	F	F		F	C

Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	15.79	5.48	20.29	27.25		34.28	6.41
50th-Percentile Queue Length [ft/ln]	394.66	137.12	507.15	681.14		856.94	160.16
95th-Percentile Queue Length [veh/ln]	24.56	9.33	28.36	40.22		50.26	10.56
95th-Percentile Queue Length [ft/ln]	613.95	233.15	708.98	1005.50		1256.41	263.94

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	145.55	13.32	0.00	0.00	78.92	141.31	0.00	0.00	0.00	151.98	26.68	26.68
Movement LOS	F	B			E	F				F	C	C
Critical Movement	No	No			No	No				Yes	No	No
d_A, Approach Delay [s/veh]	70.12			108.55			0.00			111.95		
Approach LOS	E			F			A			F		
d_I, Intersection Delay [s/veh]	93.39											
Intersection LOS	F											
Intersection V/C	1.066											

Option 2: Mitigation - Alder Ave at SR-210 EB Ramps

Number	2											
Intersection	Alder Ave at SR-210 EB Ramps											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	0	352	215	188	293	0	317	2	382	0	0	0
Total Analysis Volume [veh/h]	0	1251	471	325	1035	0	623	2	924	0	0	0

Intersection Settings

Cycle Length [s]	90											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	5	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	5	5	0	0	5	5	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	30	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0
Split [s]	0	37	0	11	48	0	0	42	11	0	0	0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.37	0.37	0.08	0.49	0.42	0.42	
(v / s)_i Volume / Saturation Flow Rate	0.45	0.50	0.09	0.29	0.35	0.57	
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900	1900	
Arrival type	3		3		3		3
s, saturation flow rate [veh/h]	1900	1733	3514	3618	1810	1615	
c, Capacity [veh/h]	697	635	273	1769	764	682	
X, volume / capacity	1.24	1.36	1.19	0.59	0.82	1.36	
d, Delay for Lane Group [s/veh]	146.80	198.50	134.75	17.89	29.33	195.29	
Lane Group LOS	F	F	F	B	C	F	

Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	36.14	42.08	6.39	6.86	11.52	44.64	
50th-Percentile Queue Length [ft/ln]	903.42	1052.01	159.86	171.58	288.11	1115.90	
95th-Percentile Queue Length [veh/ln]	52.59	63.10	11.13	11.16	17.09	67.13	
95th-Percentile Queue Length [ft/ln]	1314.75	1577.56	278.18	278.99	427.29	1678.21	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	162.91	198.50	134.75	17.89	0.00	29.33	29.33	195.29	0.00	0.00	0.00
Movement LOS		F	F	F	B		C	C	F			
Critical Movement		No	Yes	No	No		No	No	No			
d_A, Approach Delay [s/veh]	172.65			45.82			128.33			0.00		
Approach LOS	F			D			F			A		
d_I, Intersection Delay [s/veh]	120.58											
Intersection LOS	F											
Intersection V/C	1.162											

Option 4: Mitigation - Alder Ave at Renaissance Pkwy

Number	3											
Intersection	Alder Ave at Renaissance Pkwy											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	9	398	36	157	522	17	8	5	8	43	3	156
Total Analysis Volume [veh/h]	74	865	60	603	1174	147	139	140	72	65	186	711

Intersection Settings

Cycle Length [s]	120											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	5
Auxiliary Signal Groups												4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	6
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	1.0
Split [s]	10	40	0	21	51	0	12	39	0	20	47	21
Walk [s]	0	5	0	0	15	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	31	0	0	31	0	0	30	0	0	30	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.05	0.30	0.30	0.14	0.39	0.39	0.07	0.38	0.38	0.05	0.36	0.36
(v / s)_i Volume / Saturation Flow Rate	0.04	0.25	0.25	0.17	0.35	0.36	0.08	0.06	0.06	0.04	0.10	0.44
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Arrival type	3			3			3			3		
s, saturation flow rate [veh/h]	1810	1900	1857	3514	1900	1828	1810	1900	1690	1810	1900	1615
c, Capacity [veh/h]	90	570	557	498	744	716	121	717	638	86	681	579
X, volume / capacity	0.82	0.82	0.82	1.21	0.89	0.92	1.15	0.15	0.16	0.75	0.27	1.23
d, Delay for Lane Group [s/veh]	72.59	51.52	51.77	150.85	48.91	53.91	143.59	24.79	24.88	68.74	27.60	156.00
Lane Group LOS	E	D	D	F	D	D	F	C	C	E	C	F

Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	2.56	14.11	13.83	14.07	19.78	20.84	6.50	2.02	1.89	2.20	3.72	34.96
50th-Percentile Queue Length [ft/ln]	63.90	352.69	345.70	351.67	494.58	520.88	162.39	50.50	47.24	54.91	92.89	874.10
95th-Percentile Queue Length [veh/ln]	4.60	20.27	19.93	21.94	27.08	28.32	11.15	3.64	3.40	3.95	6.69	50.84
95th-Percentile Queue Length [ft/ln]	115.02	506.69	498.17	548.40	676.95	708.02	278.66	90.90	85.03	98.84	167.20	1270.99

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	72.59	51.63	51.77	150.85	51.09	53.91	143.59	24.81	24.88	68.74	27.60	156.00
Movement LOS	E	D	D	F	D	D	F	C	C	E	C	F
Critical Movement	No	No	No	No	No	No	No	No	No	No	No	Yes
d_A, Approach Delay [s/veh]	53.19			82.57			71.87			125.28		
Approach LOS	D			F			E			F		
d_I, Intersection Delay [s/veh]	84.46											
Intersection LOS	F											
Intersection V/C	0.935											

Option 2: Mitigation - Install Traffic Signal

Number	8											
Intersection	Ayala Dr at Fitzgerald Ave											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	4	625	5	111	598	99	0	3	0	3	2	105
Total Analysis Volume [veh/h]	4	829	5	138	897	106	0	3	0	3	2	115

Intersection Settings

Cycle Length [s]	90											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	2	0	0	6	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	0	6	0	0	6	0	0	6	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	0	0	0	0	0	0	0	0	0	0	0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	15	0	0	15	0	0	15	0	0	15	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(v / s)_i Volume / Saturation Flow Rate	0.01	0.22	0.22	0.23	0.27	0.27	10000.00	0.01	0.07
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900	1900	1900	1900	1900
Arrival type	3			3			3	3	
s, saturation flow rate [veh/h]	509	1900	1896	598	1900	1830	0	256	1619
c, Capacity [veh/h]	80	0	0	80	0	0	40	80	0
X, volume / capacity	0.05	10000.0	10000.0	1.73	10000.0	10000.0	0.08	0.04	10000.00
d, Delay for Lane Group [s/veh]	46.18	0.00	0.00	418.07	0.00	0.00	48.62	45.87	0.00
Lane Group LOS	D	F	F	F	F	F	D	D	F

Critical Lane Group	No	No	No	No	No	No	No		No		No
50th-Percentile Queue Length [veh/ln]	0.11	0.00	0.00	10.25	0.00	0.00	0.11		0.09		0.00
50th-Percentile Queue Length [ft/ln]	2.79	0.00	0.00	256.23	0.00	0.00	2.67		2.16		0.00
95th-Percentile Queue Length [veh/ln]	0.20	0.00	0.00	15.50	0.00	0.00	0.19		0.16		0.00
95th-Percentile Queue Length [ft/ln]	5.03	0.00	0.00	387.49	0.00	0.00	4.80		3.90		0.00

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	46.18	0.00	0.00	418.07	0.00	0.00	48.62	48.62	48.62	45.87	0.00	0.00
Movement LOS	D	A	A	F	A	A	D	D	D	D	A	A
Critical Movement	No	No	No	Yes	No	No	No	No	No	No	No	No
d_A, Approach Delay [s/veh]	0.22			50.56			48.62			1.15		
Approach LOS	A			D			D			A		
d_I, Intersection Delay [s/veh]	27.67											
Intersection LOS	C											
Intersection V/C	0.000											

Option 2: Mitigation - Install Traffic Signal

Number	10					
Intersection	Fitzgerald Ave at Base Line Rd					
Control Type	Signalized					
Analysis Method	HCM 6th Edition					
Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Base Volume Input [veh/h]	72	15	37	363	440	89
Total Analysis Volume [veh/h]	100	16	41	795	649	102

Intersection Settings

Cycle Length [s]	90					
Coordination Type	Time of Day Pattern Coordinated					
Actuation Type	Semi-actuated					
Lost time [s]	0.00					
Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	7	0	0	2	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-
Minimum Green [s]	5	0	0	6	6	0
Maximum Green [s]	30	0	0	30	30	0
Amber [s]	3.0	0.0	0.0	3.0	3.0	0.0
All red [s]	1.0	0.0	0.0	1.0	1.0	0.0
Split [s]	0	0	0	0	0	0
Walk [s]	5	0	0	5	5	0
Pedestrian Clearance [s]	15	0	0	15	15	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	2.0	0.0	0.0	2.0	2.0	0.0
Minimum Recall	No			No	No	
Maximum Recall	No			No	No	
Pedestrian Recall	No			No	No	
Pedestrian Signal Group	0					
Pedestrian Walk [s]	0					
Pedestrian Clearance [s]	0					

Lane Group Calculations

g / C, Green / Cycle	0.00	0.00	0.00	0.00	0.00
(v / s)_i Volume / Saturation Flow Rate	10000.00	0.06	0.22	0.20	0.21
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900
Arrival type	3	3		3	
s, saturation flow rate [veh/h]	0	723	3618	1900	1813
c, Capacity [veh/h]	74	80	0	0	0
X, volume / capacity	1.56	0.51	10000.00	10000.00	10000.00
d, Delay for Lane Group [s/veh]	351.15	66.54	0.00	0.00	0.00
Lane Group LOS	F	E	F	F	F

Critical Lane Group	No	No	No	No	No
50th-Percentile Queue Length [veh/ln]	8.20	1.40	0.00	0.00	0.00
50th-Percentile Queue Length [ft/ln]	204.91	35.01	0.00	0.00	0.00
95th-Percentile Queue Length [veh/ln]	12.89	2.52	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	322.29	63.02	0.00	0.00	0.00

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	351.15	351.15	66.54	0.00	0.00	0.00
Movement LOS	F	F	E	A	A	A
Critical Movement	Yes	No	No	No	No	No
d_A, Approach Delay [s/veh]	351.15		3.26		0.00	
Approach LOS	F		A		A	
d_I, Intersection Delay [s/veh]	25.52					
Intersection LOS	C					
Intersection V/C	0.000					

Option 2: Mitigation - Alder Ave at SR-210 WB Ramp

Number	1											
Intersection	Alder Ave at SR-210 WB Ramp											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	433	433	0	0	325	370	0	0	0	248	5	133
Total Analysis Volume [veh/h]	857	909	0	0	748	654	0	0	0	558	5	270

Intersection Settings

Cycle Length [s]	90											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	6	0	0	2	0	0	0	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	0	0	0	0	5	0
Maximum Green [s]	30	30	0	0	30	0	0	0	0	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Split [s]	23	61	0	0	38	0	0	0	0	0	29	0
Walk [s]	0	5	0	0	5	0	0	0	0	0	5	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	0	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Minimum Recall	No	No			No						No	
Maximum Recall	No	No			No						No	
Pedestrian Recall	No	No			No						No	
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.21	0.63	0.38	0.38		0.28	0.28
(v / s)_i Volume / Saturation Flow Rate	0.24	0.25	0.37	0.43		0.31	0.17
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900		1900	1900
Arrival type	3		3		3	3	
s, saturation flow rate [veh/h]	3514	3618	1900	1631		1810	1619
c, Capacity [veh/h]	742	2291	718	616		503	450
X, volume / capacity	1.16	0.40	0.98	1.14		1.11	0.61
d, Delay for Lane Group [s/veh]	109.04	8.60	55.96	108.42		102.34	29.62
Lane Group LOS	F	A	E	F		F	C

Critical Lane Group	Yes	No	No	Yes		Yes	No
50th-Percentile Queue Length [veh/ln]	15.07	3.43	18.72	25.42		19.68	4.89
50th-Percentile Queue Length [ft/ln]	376.69	85.66	467.99	635.49		491.95	122.33
95th-Percentile Queue Length [veh/ln]	23.06	6.17	25.82	36.68		28.68	8.52
95th-Percentile Queue Length [ft/ln]	576.49	154.18	645.38	917.03		716.88	213.02

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	109.04	8.60	0.00	0.00	59.26	108.42	0.00	0.00	0.00	102.34	29.62	29.62
Movement LOS	F	A			E	F				F	C	C
Critical Movement	Yes	No			No	No				No	No	No
d_A, Approach Delay [s/veh]	57.34			82.19			0.00			78.33		
Approach LOS	E			F			A			E		
d_I, Intersection Delay [s/veh]	70.42											
Intersection LOS	E											
Intersection V/C	0.982											

Option 2: Mitigation - Alder Ave at SR-210 EB Ramps

Number	2											
Intersection	Alder Ave at SR-210 EB Ramps											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	0	552	315	206	353	0	310	8	371	0	0	0
Total Analysis Volume [veh/h]	0	1246	655	305	872	0	477	8	854	0	0	0

Intersection Settings

Cycle Length [s]	90											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Permiss	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	5	2	0	0	8	0	0	0	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	5	5	0	0	5	0	0	0	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	0	0
Amber [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	41	0	10	51	0	0	39	0	0	0	0
Walk [s]	0	5	0	0	5	0	0	5	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	14	0	0	10	0	0	0	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No			No				
Maximum Recall		No		No	No			No				
Pedestrian Recall		No		No	No			No				
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.41	0.41	0.07	0.52	0.39	0.39	
(v / s)_i Volume / Saturation Flow Rate	0.50	0.56	0.09	0.24	0.27	0.53	
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900	1900	
Arrival type	3		3		3		3
s, saturation flow rate [veh/h]	1900	1694	3514	3618	1811	1615	
c, Capacity [veh/h]	781	696	234	1889	704	628	
X, volume / capacity	1.22	1.36	1.30	0.46	0.69	1.36	
d, Delay for Lane Group [s/veh]	135.65	199.83	184.67	14.35	25.47	199.58	
Lane Group LOS	F	F	F	B	C	F	

Critical Lane Group	No	Yes	Yes	No	No	Yes	
50th-Percentile Queue Length [veh/ln]	38.18	46.46	7.09	4.90	8.10	41.82	
50th-Percentile Queue Length [ft/ln]	954.48	1161.42	177.37	122.41	202.51	1045.61	
95th-Percentile Queue Length [veh/ln]	55.08	69.76	12.35	8.53	12.77	63.05	
95th-Percentile Queue Length [ft/ln]	1377.05	1743.97	308.80	213.14	319.20	1576.13	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	150.87	199.83	184.67	14.35	0.00	25.47	25.47	199.58	0.00	0.00	0.00
Movement LOS		F	F	F	B		C	C	F			
Critical Movement		No	Yes	No	No		No	No	No			
d_A, Approach Delay [s/veh]	167.74			58.49			136.52			0.00		
Approach LOS	F			E			F			A		
d_I, Intersection Delay [s/veh]	129.16											
Intersection LOS	F											
Intersection V/C	1.177											

Option 4: Mitigation - Feasibility Report Improvements

Number	3											
Intersection	Alder Ave at Renaissance Pkwy											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	0	626	68	214	515	5	26	5	7	52	7	220
Total Analysis Volume [veh/h]	56	1165	85	698	897	128	135	159	55	69	107	542

Intersection Settings

Cycle Length [s]	120											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	6	6	0	6	6	0	6	6	0	6	6	0
Maximum Green [s]	30	30	0	30	30	0	30	30	0	30	30	0
Amber [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	10	41	0	27	58	0	12	39	0	13	40	0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	31	0	0	31	0	0	30	0	0	30	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No		No	No		No	No		No	No	
Maximum Recall	No	No		No	No		No	No		No	No	
Pedestrian Recall	No	No		No	No		No	No		No	No	
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.04	0.31	0.31	0.19	0.46	0.46	0.07	0.32	0.32	0.05	0.30	0.30
(v / s)_i Volume / Saturation Flow Rate	0.03	0.33	0.33	0.20	0.27	0.28	0.07	0.06	0.06	0.04	0.06	0.34
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Arrival type	3			3			3			3		
s, saturation flow rate [veh/h]	1810	1900	1855	3514	1900	1819	1810	1900	1738	1810	1900	1615
c, Capacity [veh/h]	77	586	572	674	869	832	121	601	550	91	570	485
X, volume / capacity	0.72	1.08	1.08	1.04	0.60	0.61	1.12	0.18	0.19	0.76	0.19	1.12
d, Delay for Lane Group [s/veh]	68.75	101.51	102.94	75.00	27.28	27.85	131.18	29.92	30.01	68.13	31.31	119.53
Lane Group LOS	E	F	F	F	C	C	F	C	C	E	C	F

Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	1.88	26.08	25.69	12.12	10.88	10.84	6.08	2.26	2.15	2.32	2.27	24.12
50th-Percentile Queue Length [ft/ln]	47.09	652.03	642.26	303.12	271.90	271.00	151.99	56.58	53.82	57.95	56.66	602.91
95th-Percentile Queue Length [veh/ln]	3.39	36.19	35.77	18.17	16.28	16.24	10.48	4.07	3.87	4.17	4.08	34.48
95th-Percentile Queue Length [ft/ln]	84.76	904.65	894.17	454.21	407.11	405.99	261.99	101.85	96.87	104.31	101.99	862.11

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	68.75	102.17	102.94	75.00	27.52	27.85	131.18	29.95	30.01	68.13	31.31	119.53
Movement LOS	E	F	F	F	C	C	F	C	C	E	C	F
Critical Movement	No	No	No	No	No	No	Yes	No	No	No	No	No
d_A, Approach Delay [s/veh]	100.78			46.78			69.12			101.44		
Approach LOS	F			D			E			F		
d_I, Intersection Delay [s/veh]	75.49											
Intersection LOS	E											
Intersection V/C	0.942											

Option 2: Mitigation - Signalize

Number	8											
Intersection	Ayala Dr at Fitzgerald Ave											
Control Type	Signalized											
Analysis Method	HCM 6th Edition											
Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	4	738	6	140	674	2	2	0	5	6	1	134
Total Analysis Volume [veh/h]	4	1085	6	161	944	2	2	0	5	6	1	158

Intersection Settings

Cycle Length [s]	90											
Coordination Type	Time of Day Pattern Coordinated											
Actuation Type	Semi-actuated											
Lost time [s]	0.00											
Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	2	0	0	6	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	6	0	0	6	0	0	6	0	0	6	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	21	0	0	94	0	0	69	0	0	94	0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	10	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Pedestrian Signal Group	0											
Pedestrian Walk [s]	0											
Pedestrian Clearance [s]	0											

Lane Group Calculations

g / C, Green / Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(v / s)_i Volume / Saturation Flow Rate	0.01	0.29	0.29	0.36	0.25	0.25	10000.00	0.03	0.10
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900	1900	1900	1900	1900
Arrival type	3			3			3	3	
s, saturation flow rate [veh/h]	516	1900	1896	449	1900	1899	0	210	1617
c, Capacity [veh/h]	80	0	0	80	0	0	51	80	0
X, volume / capacity	0.05	10000.0	10000.0	2.01	10000.0	10000.0	0.14	0.08	10000.00
d, Delay for Lane Group [s/veh]	46.18	0.00	0.00	541.65	0.00	0.00	50.44	46.82	0.00
Lane Group LOS	D	F	F	F	F	F	D	D	F

Critical Lane Group	No	No	No	No	No	No	No		No		No
50th-Percentile Queue Length [veh/ln]	0.11	0.00	0.00	13.04	0.00	0.00	0.23		0.18		0.00
50th-Percentile Queue Length [ft/ln]	2.79	0.00	0.00	325.92	0.00	0.00	5.87		4.42		0.00
95th-Percentile Queue Length [veh/ln]	0.20	0.00	0.00	18.96	0.00	0.00	0.42		0.32		0.00
95th-Percentile Queue Length [ft/ln]	5.03	0.00	0.00	473.95	0.00	0.00	10.56		7.96		0.00

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	46.18	0.00	0.00	541.65	0.00	0.00	50.44	50.44	50.44	46.82	0.00	0.00
Movement LOS	D	A	A	F	A	A	D	D	D	D	A	A
Critical Movement	No	No	No	Yes	No	No	No	No	No	No	No	No
d_A, Approach Delay [s/veh]	0.17			78.78			50.44			1.70		
Approach LOS	A			E			D			A		
d_I, Intersection Delay [s/veh]	37.08											
Intersection LOS	D											
Intersection V/C	0.000											

Option 2: Mitigation - Install Traffic Signal

Number	10					
Intersection	Fitzgerald Ave at Base Line Rd					
Control Type	Signalized					
Analysis Method	HCM 6th Edition					
Name						
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Base Volume Input [veh/h]	120	49	30	561	459	114
Total Analysis Volume [veh/h]	136	53	33	752	825	131

Intersection Settings

Cycle Length [s]	60					
Coordination Type	Time of Day Pattern Coordinated					
Actuation Type	Semi-actuated					
Lost time [s]	0.00					
Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	7	0	0	2	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-
Minimum Green [s]	6	0	0	6	6	0
Maximum Green [s]	30	0	0	30	30	0
Amber [s]	3.0	0.0	0.0	3.0	3.0	0.0
All red [s]	1.0	0.0	0.0	1.0	1.0	0.0
Split [s]	64	0	0	15	64	0
Walk [s]	5	0	0	5	5	0
Pedestrian Clearance [s]	10	0	0	10	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0
l1, Start-Up Lost Time [s]	2.0	0.0	0.0	2.0	2.0	0.0
Minimum Recall	No			No	No	
Maximum Recall	No			No	No	
Pedestrian Recall	No			No	No	
Pedestrian Signal Group	0					
Pedestrian Walk [s]	0					
Pedestrian Clearance [s]	0					

Lane Group Calculations

g / C, Green / Cycle	0.00	0.00	0.00	0.00	0.00
(v / s)_i Volume / Saturation Flow Rate	10000.00	0.06	0.21	0.25	0.26
so, Base Saturation Flow per Lane [pc/h/ln]	1900	1900	1900	1900	1900
Arrival type	3	3		3	
s, saturation flow rate [veh/h]	0	596	3618	1900	1812
c, Capacity [veh/h]	103	120	0	0	0
X, volume / capacity	1.83	0.28	10000.00	10000.00	10000.00
d, Delay for Lane Group [s/veh]	439.45	35.59	0.00	0.00	0.00
Lane Group LOS	F	D	F	F	F

Critical Lane Group	No	No	No	No	No
50th-Percentile Queue Length [veh/ln]	13.45	0.64	0.00	0.00	0.00
50th-Percentile Queue Length [ft/ln]	336.36	15.90	0.00	0.00	0.00
95th-Percentile Queue Length [veh/ln]	19.47	1.15	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	486.75	28.63	0.00	0.00	0.00

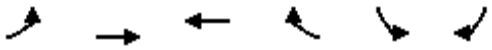
Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	439.45	439.45	35.59	0.00	0.00	0.00
Movement LOS	F	F	D	A	A	A
Critical Movement	Yes	No	No	No	No	No
d_A, Approach Delay [s/veh]	439.45		1.50		0.00	
Approach LOS	F		A		A	
d_I, Intersection Delay [s/veh]	43.64					
Intersection LOS	D					
Intersection V/C	0.000					

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	390	33	14	624	46	15
Future Volume (vph)	390	33	14	624	46	15
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5		4.5	4.5	4.5	4.5
Lane Util. Factor	0.95		1.00	0.95	1.00	1.00
Frt	0.99		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3498		1770	3539	1770	1583
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3498		1770	3539	1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	424	36	15	678	50	16
RTOR Reduction (vph)	5	0	0	0	0	9
Lane Group Flow (vph)	455	0	15	678	50	7
Turn Type	NA		Prot	NA	Prot	Perm
Protected Phases	2 4		1	6	3	
Permitted Phases						2
Actuated Green, G (s)	42.9		1.3	28.4	10.5	33.9
Effective Green, g (s)	42.9		1.3	28.4	10.5	33.9
Actuated g/C Ratio	0.59		0.02	0.39	0.14	0.47
Clearance Time (s)			4.5	4.5	4.5	4.5
Vehicle Extension (s)			3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	2064		31	1382	255	738
v/s Ratio Prot	c0.13		c0.01	c0.19	c0.03	
v/s Ratio Perm						0.00
v/c Ratio	0.22		0.48	0.49	0.20	0.01
Uniform Delay, d1	7.0		35.4	16.7	27.4	10.4
Progression Factor	0.37		1.00	1.00	1.00	1.00
Incremental Delay, d2	0.1		11.4	0.3	0.4	0.0
Delay (s)	2.6		46.8	17.0	27.8	10.4
Level of Service	A		D	B	C	B
Approach Delay (s)	2.6			17.6	23.6	
Approach LOS	A			B	C	

Intersection Summary			
HCM 2000 Control Delay	12.3	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.35		
Actuated Cycle Length (s)	72.7	Sum of lost time (s)	18.0
Intersection Capacity Utilization	28.9%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	113	421	669	6	2	34
Future Volume (vph)	113	421	669	6	2	34
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5		4.5	4.5
Lane Util. Factor	1.00	0.95	0.95		1.00	1.00
Frt	1.00	1.00	1.00		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1770	3539	3534		1770	1583
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1770	3539	3534		1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	123	458	727	7	2	37
RTOR Reduction (vph)	0	0	1	0	0	23
Lane Group Flow (vph)	123	458	733	0	2	14
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	3 6		4	
Permitted Phases						6
Actuated Green, G (s)	6.8	33.9	43.4		9.0	28.4
Effective Green, g (s)	6.8	33.9	43.4		9.0	28.4
Actuated g/C Ratio	0.09	0.47	0.60		0.12	0.39
Clearance Time (s)	4.5	4.5			4.5	4.5
Vehicle Extension (s)	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)	165	1650	2109		219	618
v/s Ratio Prot	c0.07	0.13	c0.21		c0.00	
v/s Ratio Perm						0.01
v/c Ratio	0.75	0.28	0.35		0.01	0.02
Uniform Delay, d1	32.1	11.9	7.5		27.9	13.6
Progression Factor	1.00	1.00	0.03		1.00	1.00
Incremental Delay, d2	16.6	0.1	0.1		0.0	0.0
Delay (s)	48.7	12.0	0.3		28.0	13.6
Level of Service	D	B	A		C	B
Approach Delay (s)		19.8	0.3		14.4	
Approach LOS		B	A		B	

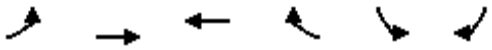
Intersection Summary			
HCM 2000 Control Delay	9.1	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.37		
Actuated Cycle Length (s)	72.7	Sum of lost time (s)	18.0
Intersection Capacity Utilization	40.4%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	815	36	24	646	27	16
Future Volume (vph)	815	36	24	646	27	16
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5		4.5	4.5	4.5	4.5
Lane Util. Factor	0.95		1.00	0.95	1.00	1.00
Frt	0.99		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3517		1770	3539	1770	1583
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3517		1770	3539	1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	886	39	26	702	29	17
RTOR Reduction (vph)	2	0	0	0	0	11
Lane Group Flow (vph)	923	0	26	702	29	6
Turn Type	NA		Prot	NA	Prot	Perm
Protected Phases	2 4		1	6	3	
Permitted Phases						2
Actuated Green, G (s)	42.7		2.7	26.4	9.8	27.2
Effective Green, g (s)	42.7		2.7	26.4	9.8	27.2
Actuated g/C Ratio	0.58		0.04	0.36	0.13	0.37
Clearance Time (s)			4.5	4.5	4.5	4.5
Vehicle Extension (s)			3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	2051		65	1276	236	588
v/s Ratio Prot	c0.26		c0.01	c0.20	c0.02	
v/s Ratio Perm						0.00
v/c Ratio	0.45		0.40	0.55	0.12	0.01
Uniform Delay, d1	8.6		34.5	18.7	27.9	14.5
Progression Factor	0.57		1.00	1.00	1.00	1.00
Incremental Delay, d2	0.1		4.0	0.5	0.2	0.0
Delay (s)	5.0		38.5	19.2	28.2	14.5
Level of Service	A		D	B	C	B
Approach Delay (s)	5.0			19.9	23.1	
Approach LOS	A			B	C	

Intersection Summary			
HCM 2000 Control Delay	11.9	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.43		
Actuated Cycle Length (s)	73.2	Sum of lost time (s)	18.0
Intersection Capacity Utilization	35.3%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	45	849	671	0	6	119
Future Volume (vph)	45	849	671	0	6	119
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5		4.5	4.5
Lane Util. Factor	1.00	0.95	0.95		1.00	1.00
Frt	1.00	1.00	1.00		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1770	3539	3539		1770	1583
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1770	3539	3539		1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	49	923	729	0	7	129
RTOR Reduction (vph)	0	0	0	0	0	82
Lane Group Flow (vph)	49	923	729	0	7	47
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	3 6		4	
Permitted Phases						6
Actuated Green, G (s)	3.5	27.2	40.7		15.5	26.4
Effective Green, g (s)	3.5	27.2	40.7		15.5	26.4
Actuated g/C Ratio	0.05	0.37	0.56		0.21	0.36
Clearance Time (s)	4.5	4.5			4.5	4.5
Vehicle Extension (s)	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)	84	1315	1967		374	570
v/s Ratio Prot	c0.03	c0.26	c0.21		c0.00	
v/s Ratio Perm						0.03
v/c Ratio	0.58	0.70	0.37		0.02	0.08
Uniform Delay, d1	34.1	19.6	9.1		22.8	15.4
Progression Factor	1.00	1.00	0.01		1.00	1.00
Incremental Delay, d2	9.9	1.7	0.1		0.0	0.1
Delay (s)	44.1	21.3	0.2		22.9	15.5
Level of Service	D	C	A		C	B
Approach Delay (s)		22.4	0.2		15.9	
Approach LOS		C	A		B	

Intersection Summary			
HCM 2000 Control Delay	13.1	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.47		
Actuated Cycle Length (s)	73.2	Sum of lost time (s)	18.0
Intersection Capacity Utilization	38.1%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	390	33	14	450	46	15
Future Volume (vph)	390	33	14	450	46	15
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5		4.5	4.5	4.5	4.5
Lane Util. Factor	0.95		1.00	0.95	1.00	1.00
Frt	0.99		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3498		1770	3539	1770	1583
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3498		1770	3539	1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	424	36	15	489	50	16
RTOR Reduction (vph)	5	0	0	0	0	9
Lane Group Flow (vph)	455	0	15	489	50	7
Turn Type	NA		Prot	NA	Prot	Perm
Protected Phases	2 4		1	6	3	
Permitted Phases						2
Actuated Green, G (s)	37.0		1.1	22.4	8.7	28.2
Effective Green, g (s)	37.0		1.1	22.4	8.7	28.2
Actuated g/C Ratio	0.57		0.02	0.35	0.13	0.44
Clearance Time (s)			4.5	4.5	4.5	4.5
Vehicle Extension (s)			3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1997		30	1223	237	688
v/s Ratio Prot	c0.13		c0.01	c0.14	c0.03	
v/s Ratio Perm						0.00
v/c Ratio	0.23		0.50	0.40	0.21	0.01
Uniform Delay, d1	6.9		31.6	16.1	25.0	10.4
Progression Factor	0.40		1.00	1.00	1.00	1.00
Incremental Delay, d2	0.1		12.5	0.2	0.4	0.0
Delay (s)	2.8		44.1	16.3	25.4	10.4
Level of Service	A		D	B	C	B
Approach Delay (s)	2.8			17.1	21.8	
Approach LOS	A			B	C	

Intersection Summary			
HCM 2000 Control Delay	11.0	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.30		
Actuated Cycle Length (s)	64.8	Sum of lost time (s)	18.0
Intersection Capacity Utilization	24.1%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	113	419	496	6	2	34
Future Volume (vph)	113	419	496	6	2	34
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5		4.5	4.5
Lane Util. Factor	1.00	0.95	0.95		1.00	1.00
Frt	1.00	1.00	1.00		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1770	3539	3532		1770	1583
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1770	3539	3532		1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	123	455	539	7	2	37
RTOR Reduction (vph)	0	0	1	0	0	24
Lane Group Flow (vph)	123	455	545	0	2	13
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	3 6		4	
Permitted Phases						6
Actuated Green, G (s)	6.9	28.2	35.6		8.8	22.4
Effective Green, g (s)	6.9	28.2	35.6		8.8	22.4
Actuated g/C Ratio	0.11	0.44	0.55		0.14	0.35
Clearance Time (s)	4.5	4.5			4.5	4.5
Vehicle Extension (s)	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)	188	1540	1940		240	547
v/s Ratio Prot	c0.07	c0.13	c0.15		c0.00	
v/s Ratio Perm						0.01
v/c Ratio	0.65	0.30	0.28		0.01	0.02
Uniform Delay, d1	27.8	11.9	7.8		24.2	14.0
Progression Factor	1.00	1.00	0.04		1.00	1.00
Incremental Delay, d2	7.9	0.1	0.1		0.0	0.0
Delay (s)	35.7	12.0	0.4		24.2	14.0
Level of Service	D	B	A		C	B
Approach Delay (s)		17.0	0.4		14.5	
Approach LOS		B	A		B	

Intersection Summary			
HCM 2000 Control Delay	9.1	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.32		
Actuated Cycle Length (s)	64.8	Sum of lost time (s)	18.0
Intersection Capacity Utilization	35.6%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	637	36	24	545	27	16
Future Volume (vph)	637	36	24	545	27	16
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5		4.5	4.5	4.5	4.5
Lane Util. Factor	0.95		1.00	0.95	1.00	1.00
Frt	0.99		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3511		1770	3539	1770	1583
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3511		1770	3539	1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	692	39	26	592	29	17
RTOR Reduction (vph)	3	0	0	0	0	11
Lane Group Flow (vph)	728	0	26	592	29	6
Turn Type	NA		Prot	NA	Prot	Perm
Protected Phases	2 4		1	6	3	
Permitted Phases						2
Actuated Green, G (s)	38.4		2.6	24.8	8.8	25.6
Effective Green, g (s)	38.4		2.6	24.8	8.8	25.6
Actuated g/C Ratio	0.57		0.04	0.37	0.13	0.38
Clearance Time (s)			4.5	4.5	4.5	4.5
Vehicle Extension (s)			3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1988		67	1294	229	597
v/s Ratio Prot	c0.21		c0.01	c0.17	c0.02	
v/s Ratio Perm						0.00
v/c Ratio	0.37		0.39	0.46	0.13	0.01
Uniform Delay, d1	8.0		31.8	16.4	26.1	13.2
Progression Factor	0.33		1.00	1.00	1.00	1.00
Incremental Delay, d2	0.1		3.7	0.3	0.3	0.0
Delay (s)	2.8		35.5	16.6	26.4	13.2
Level of Service	A		D	B	C	B
Approach Delay (s)	2.8			17.4	21.5	
Approach LOS	A			B	C	

Intersection Summary			
HCM 2000 Control Delay	9.9	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.36		
Actuated Cycle Length (s)	67.8	Sum of lost time (s)	18.0
Intersection Capacity Utilization	31.6%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	45	667	572	0	6	119
Future Volume (vph)	45	667	572	0	6	119
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5		4.5	4.5
Lane Util. Factor	1.00	0.95	0.95		1.00	1.00
Frt	1.00	1.00	1.00		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1770	3539	3539		1770	1583
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1770	3539	3539		1770	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	49	725	622	0	7	129
RTOR Reduction (vph)	0	0	0	0	0	82
Lane Group Flow (vph)	49	725	622	0	7	47
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	3 6		4	
Permitted Phases						6
Actuated Green, G (s)	3.4	25.6	38.1		12.8	24.8
Effective Green, g (s)	3.4	25.6	38.1		12.8	24.8
Actuated g/C Ratio	0.05	0.38	0.56		0.19	0.37
Clearance Time (s)	4.5	4.5			4.5	4.5
Vehicle Extension (s)	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)	88	1336	1988		334	579
v/s Ratio Prot	c0.03	c0.20	c0.18		c0.00	
v/s Ratio Perm						0.03
v/c Ratio	0.56	0.54	0.31		0.02	0.08
Uniform Delay, d1	31.5	16.5	7.9		22.4	14.1
Progression Factor	1.00	1.00	0.02		1.00	1.00
Incremental Delay, d2	7.4	0.5	0.1		0.0	0.1
Delay (s)	38.9	17.0	0.2		22.4	14.1
Level of Service	D	B	A		C	B
Approach Delay (s)		18.4	0.2		14.5	
Approach LOS		B	A		B	

Intersection Summary			
HCM 2000 Control Delay	10.7	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.39		
Actuated Cycle Length (s)	67.8	Sum of lost time (s)	18.0
Intersection Capacity Utilization	35.4%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

APPENDIX **E**

CUMULATIVE PROJECTS INFORMATION

TOTAL CUMULATIVE PROJECTS TRAFFIC

AM Peak Hour

		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	Alder Avenue at SR-210 WB Ramps	433	551	0	0	412	144	0	0	0	450	0	90
2	Alder Avenue at SR-210 EB Ramps	0	748	189	99	580	0	235	0	390	0	0	0
3	Alder Avenue at Renaisannce Parkway	54	315	15	362	389	110	112	116	51	12	158	457
4	Alder Avenue at Base Line Road	0	82	45	118	191	86	26	101	0	13	33	57
5	Ayala Drive at SR-210 WB Ramps	72	205	0	0	259	122	0	0	0	213	0	224
6	Ayala Drive at SR-210 EB Ramps	0	179	403	141	312	0	83	0	106	0	0	0
7	Ayala Drive at Renaissance Parkway	124	132	17	6	226	114	337	234	73	0	78	12
8	Ayala Drive at Fitzgerald Avenue	0	150	0	0	236	0	0	0	0	0	0	0
9	Ayala Drive at Base Line Road	125	100	0	2	91	130	39	180	174	0	125	4
10	Fitzgerald Avenue at Base Line Road	0	0	0	0	0	0	0	241	0	0	111	0
11	Cactus Avenue at Base Line Road	7	0	0	0	0	12	5	241	3	0	102	0
		0	0	0	0	0	0	0	0	0	0	0	0

PM Peak Hour

		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	Alder Avenue at SR-210 WB Ramps	333	434	0	0	389	253	0	0	0	267	0	124
2	Alder Avenue at SR-210 EB Ramps	0	610	272	90	478	0	152	0	442	0	0	0
3	Alder Avenue at Renaisannce Parkway	51	374	12	449	296	117	102	147	45	13	95	294
4	Alder Avenue at Base Line Road	0	206	15	59	78	16	89	42	0	45	102	123
5	Ayala Drive at SR-210 WB Ramps	114	249	0	0	273	98	0	0	0	395	0	180
6	Ayala Drive at SR-210 EB Ramps	0	215	231	157	493	0	127	0	84	0	0	0
7	Ayala Drive at Renaissance Parkway	76	230	0	12	157	316	131	53	131	0	239	6
8	Ayala Drive at Fitzgerald Avenue	0	235	0	0	186	0	0	0	0	0	0	1
9	Ayala Drive at Base Line Road	182	91	0	5	110	63	129	110	112	0	189	2

Enter only in blue cells	Yellow cells calculate

Int. #:	1	Alder Avenue at SR-210 WB Ramps

Mirror distribution? N Entire Intersection

Mirror distribution?

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	69	0	0	177	0	0	0	0	432	0	6
AM Out		172	153	0	0	43	14	0	0	0	0	0	0
AM Tot		172	222	0	0	220	14	0	0	0	432	0	6
PM In		0	50	0	0	128	0	0	0	0	258	0	7
PM Out		218	127	0	0	54	23	0	0	0	0	0	0
PM Tot		218	177	0	0	182	23	0	0	0	258	0	7

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										20%		
N	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	15%											
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%
PM Out	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	0	0	0	0	0	22	0	0
AM Out	52	8	0	0	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	0	0	0	0	0	12	0	0
PM Out	114	17	0	0	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										50%		
N	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	50%											
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%
PM Out	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	0	0	0	0	0	71	0	0
AM Out	41	20	0	0	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	0	0	0	0	0	23	0	0
PM Out	144	72	0	0	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					1%							
N	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
AM Out						2%						
PM In	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	3	0	0	0	0	0	0	0
AM Out	95	0	0	0	0	0	2	0	0	0	0	0	0
PM In	119	0	0	0	0	1	0	0	0	0	0	0	0
PM Out	266	0	0	0	0	0	5	0	0	0	0	0	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										20%		
N	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	15%											
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%
PM Out	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	1	Alder Avenue at SR-210 WB Ramps
Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										50%		
N	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	50%											
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%
PM Out	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					15%		
N	10%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	10%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	15%	0%	0%
PM Out	10%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										55%		
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										20%		
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	0	0	0	0	2	0	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	1	0	0
PM Out	8	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In										50%		
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	5	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	2	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	1	Alder Avenue at SR-210 WB Ramps
Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		40%										
N	0%	0%	0%	0%	15%	25%	0%	0%	0%	0%	0%	0%
AM Out					15%	25%						
PM In	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	15%	25%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		50%										
N	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%
AM Out						50%						
PM In	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	15%											
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	8	1	0	0	0	0	0	0	0	0	0	0	0
PM In	10	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	29	4	0	0	0	0	0	0	0	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					15%		
N	10%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	10%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	15%	0%	0%
PM Out	10%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	2	0	0	0	0	7	0	0
AM Out	14	1	1	0	0	0	0	0	0	0	0	0	0
PM In	16	0	0	0	0	1	0	0	0	0	2	0	0
PM Out	49	5	2	0	0	0	0	0	0	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					2%					55%		
N	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		2%										
PM In	0%	0%	0%	0%	2%	0%	0%	0%	0%	55%	0%	0%
PM Out	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	4	0	0	0	0	114	0	0
AM Out	193	0	4	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	3	0	0	0	0	96	0	0
PM Out	146	0	3	0	0	0	0	0	0	0	0	0	0

Int. #:	1	Alder Avenue at SR-210 WB Ramps

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					25%					20%		
N	20%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	20%	25%										
PM In	0%	0%	0%	0%	25%	0%	0%	0%	0%	20%	0%	0%
PM Out	20%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	139	0	0	0	0	111	0	0
AM Out	556	111	139	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	114	0	0	0	0	91	0	0
PM Out	454	91	114	0	0	0	0	0	0	0	0	0	0

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		55%										25%
N	0%	0%	0%	0%	55%	25%	0%	0%	0%	0%	0%	0%
AM Out					55%	25%						
PM In	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
PM Out	0%	0%	0%	0%	55%	25%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	14	0	0	0	0	0	0	0	0	0	6
AM Out	24	0	0	0	0	13	6	0	0	0	0	0	0
PM In	26	0	14	0	0	0	0	0	0	0	0	0	7
PM Out	25	0	0	0	0	14	6	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		10%										
N	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
AM Out					10%							
PM In	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	20	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	19	0	0	0	0	0	0	0
PM In	174	0	17	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	16	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		45%										
N	0%	0%	0%	0%	30%	15%	0%	0%	0%	0%	0%	0%
AM Out					30%	15%						
PM In	0%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	30%	15%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	35	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	0	11	6	0	0	0	0	0	0
PM In	43	0	19	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	0	24	12	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		50%										
N	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%
AM Out						50%						
PM In	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					17%		

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	10	0	0	0	0	35	0	0

Int. #:	1	Alder Avenue at SR-210 WB Ramps

N	17%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	17%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	17%	0%	0%
PM Out	17%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

AM Out	184	31	9	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	9	0	0	0	0	31	0	0
PM Out	170	29	8	0	0	0	0	0	0	0	0	0	0

Zone #	21	East of Project Warehouses

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					17%		
N	17%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	17%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	17%	0%	0%
PM Out	17%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	129	0	0	0	0	6	0	0	0	0	22	0	0
AM Out	65	11	3	0	0	0	0	0	0	0	0	0	0
PM In	75	0	0	0	0	4	0	0	0	0	13	0	0
PM Out	133	23	7	0	0	0	0	0	0	0	0	0	0

Zone #	22	South of Baseline

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					17%		
N	17%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	17%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	17%	0%	0%
PM Out	17%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	252	0	0	0	0	13	0	0	0	0	43	0	0
AM Out	250	43	13	0	0	0	0	0	0	0	0	0	0
PM In	289	0	0	0	0	14	0	0	0	0	49	0	0
PM Out	286	49	14	0	0	0	0	0	0	0	0	0	0

Enter only in blue cells			Yellow cells calculate

Int. #:	2	Alder Avenue at SR-210 EB Ramps

N

TOTAL CUMULATIVE PROJECTS TRAFFIC													
Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	51	0	0	436	0	18	0	242	0	0	0
AM Out		0	324	183	6	37	0	0	0	0	0	0	0
AM Tot		0	375	183	6	473	0	18	0	242	0	0	0
PM In		0	38	0	0	298	0	13	0	157	0	0	0
PM Out		0	339	253	6	48	0	0	0	0	0	0	0
PM Tot		0	377	253	6	346	0	13	0	157	0	0	0

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				15%			
N	0%	15%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		15%	20%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	15%		0%	0%
PM Out	0%	15%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	22	0	0	0	17	0	0	0
AM Out	52	0	8	10	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	12	0	0	0	9	0	0	0
PM Out	114	0	17	23	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					50%				50%			
N	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		50%	50%									
PM In	0%	0%	0%	0%	50%	0%	0%	0%	50%	0%	0%	0%
PM Out	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	71	0	0	0	71	0	0	0
AM Out	41	0	20	20	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	23	0	0	0	23	0	0	0
PM Out	144	0	72	72	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					1%				2%			
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	3	0	0	0	5	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	0	0	0
PM In	119	0	0	0	0	1	0	0	0	2	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				15%			
N	0%	15%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		15%	20%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	15%	0%	0%	0%
PM Out	0%	15%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					50%				50%			

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	2	Alder Avenue at SR-210 EB Ramps									
N	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		50%	50%									
PM In	0%	0%	0%	0%	50%	0%	0%	0%	50%	0%	0%	0%
PM Out	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				10%			
N	0%	20%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		20%	15%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	10%	0%	0%	0%
PM Out	0%	20%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					55%							
N	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out			55%									
PM In	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%							
N	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out			20%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	2	0	0	0	0	0	0	0
AM Out	3	0	0	1	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	1	0	0	0	0	0	0	0
PM Out	8	0	0	2	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					50%							
N	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out			50%									
PM In	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	5	0	0	0	0	0	0	0
AM Out	2	0	0	1	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	2	0	0	0	0	0	0	0
PM Out	11	0	0	5	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		15%					25%					
N	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%
AM Out					15%							
PM In	0%	15%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Int. #:	2	Alder Avenue at SR-210 EB Ramps

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In							50%					
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				10%			
N	0%	20%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		20%	15%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	10%	0%	0%	0%
PM Out	0%	20%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	0	0	6	0	0	0	3	0	0	0
AM Out	8	0	2	1	0	0	0	0	0	0	0	0	0
PM In	10	0	0	0	0	2	0	0	0	1	0	0	0
PM Out	29	0	6	4	0	0	0	0	0	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					55%							
N	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out			55%									
PM In	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	27	0	0	0	0	0	0	0
AM Out	14	0	0	8	0	0	0	0	0	0	0	0	0
PM In	16	0	0	0	0	9	0	0	0	0	0	0	0
PM Out	49	0	0	27	0	0	0	0	0	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					2%							
N	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		2%										
PM In	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	4	0	0	0	0	0	0	0
AM Out	193	0	4	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	3	0	0	0	0	0	0	0
PM Out	146	0	3	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					45%				20%			
N	0%	45%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		45%	20%									
PM In	0%	0%	0%	0%	45%	0%	0%	0%	20%	0%	0%	0%
PM Out	0%	45%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	251	0	0	0	111	0	0	0
AM Out	556	0	250	111	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	204	0	0	0	91	0	0	0
PM Out	454	0	204	91	0	0	0	0	0	0	0	0	0

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		30%					25%					
N	0%	0%	0%	25%	30%	0%	0%	0%	0%	0%	0%	0%
AM Out				25%	30%							
PM In	0%	30%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	25%	30%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	8	0	0	0	0	6	0	0	0	0	0
AM Out	24	0	0	0	6	7	0	0	0	0	0	0	0
PM In	26	0	8	0	0	0	0	7	0	0	0	0	0
PM Out	25	0	0	0	6	8	0	0	0	0	0	0	0

Int. #:	2	Alder Avenue at SR-210 EB Ramps

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		10%										
N	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
AM Out					10%							
PM In	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	20	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	19	0	0	0	0	0	0	0
PM In	174	0	17	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	16	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		30%					15%					
N	0%	0%	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%
AM Out					30%							
PM In	0%	30%	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	23	0	0	0	0	12	0	0	0	0	0
AM Out	37	0	0	0	0	11	0	0	0	0	0	0	0
PM In	43	0	13	0	0	0	0	6	0	0	0	0	0
PM Out	80	0	0	0	0	24	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In							50%					
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					22%				17%			
N	0%	22%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		22%	17%									
PM In	0%	0%	0%	0%	22%	0%	0%	0%	17%	0%	0%	0%
PM Out	0%	22%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	45	0	0	0	35	0	0	0
AM Out	184	0	40	31	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	41	0	0	0	31	0	0	0
PM Out	170	0	37	29	0	0	0	0	0	0	0	0	0

Int. #:	3	Alder Avenue at Renaisannce Parkway

Y

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		53	16	14	179	318	87	8	89	3	3	12	0
AM Out		1	233	1	0	7	4	74	10	48	9	72	174
AM Tot		54	249	15	179	325	91	82	99	51	12	84	174
PM In		48	9	9	143	203	75	4	62	1	1	10	0
PM Out		3	284	3	0	16	8	73	10	44	12	76	147
PM Tot		51	293	12	143	219	83	77	72	45	13	86	147

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					15%							
Y	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	15%	0%	0%	0%	0%		0%	0%
PM Out	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	17	0	0	0	0	0	0	0
AM Out	52	0	8	0	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	9	0	0	0	0	0	0	0
PM Out	114	0	17	0	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					50%							
Y	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	71	0	0	0	0	0	0	0
AM Out	41	0	20	0	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	23	0	0	0	0	0	0	0
PM Out	144	0	72	0	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In			3%	3%				10%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	10%	3%
AM Out												
PM In	0%	0%	3%	3%	0%	0%	0%	10%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	10%	3%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	8	8	0	0	0	27	0	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	3	10	3
PM In	119	0	0	4	4	0	0	0	12	0	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	8	27	8

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												35%
Y	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%
PM Out	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	3	Alder Avenue at Renaisannce Parkway

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												100%
Y	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
PM Out	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					30%				10%	10%		
Y	10%	30%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	30%	0%	0%	0%	10%	10%	0%	0%
PM Out	10%	30%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					55%							
Y	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In						20%					25%	
Y	0%	0%	0%	0%	0%	0%	20%	25%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	25%	0%
PM Out	0%	0%	0%	0%	0%	0%	20%	25%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	2	0	0	0	0	2	0
AM Out	3	0	0	0	0	0	0	1	1	0	0	0	0
PM In	4	0	0	0	0	0	1	0	0	0	0	1	0
PM Out	8	0	0	0	0	0	0	2	2	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In						50%						
Y	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	5	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	1	0	0	0	0	0
PM In	3	0	0	0	0	0	2	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	5	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		15%										
Y	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%
AM Out												

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	3	Alder Avenue at Renaisannce Parkway

PM In	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%

PM In	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					30%				10%	10%		
Y	10%	30%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	30%	0%	0%	0%	10%	10%	0%	0%
PM Out	10%	30%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	0	0	8	0	0	0	3	3	0	0
AM Out	8	1	2	1	0	0	0	0	0	0	0	0	0
PM In	10	0	0	0	0	3	0	0	0	1	1	0	0
PM Out	29	3	9	3	0	0	0	0	0	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					55%							
Y	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	27	0	0	0	0	0	0	0
AM Out	14	0	8	0	0	0	0	0	0	0	0	0	0
PM In	16	0	0	0	0	9	0	0	0	0	0	0	0
PM Out	49	0	27	0	0	0	0	0	0	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In			3%	2%				3%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	2%
AM Out												
PM In	0%	0%	3%	2%	0%	0%	0%	3%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	2%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	6	4	0	0	0	6	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	6	6	4
PM In	174	0	0	5	3	0	0	0	5	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	4	4	3

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In				30%	35%			10%				
Y	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%	10%	30%
AM Out												
PM In	0%	0%	0%	30%	35%	0%	0%	10%	0%	0%	0%	0%
PM Out	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%	10%	30%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	167	195	0	0	56	0	0	0	0
AM Out	556	0	195	0	0	0	0	0	0	0	0	56	167
PM In	454	0	0	0	136	159	0	0	45	0	0	0	0
PM Out	454	0	159	0	0	0	0	0	0	0	0	45	136

Zone #	16	Warehouse SEC Alder/Casmalia

Int. #:	3	Alder Avenue at Renaisannce Parkway

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		20%					10%					
Y	0%	0%	0%	0%	20%	10%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	20%	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	20%	10%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	16	0	0	0	0	8	0	0	0	0	0
AM Out	37	0	0	0	0	7	4	0	0	0	0	0	0
PM In	43	0	9	0	0	0	0	4	0	0	0	0	0
PM Out	80	0	0	0	0	16	8	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	26%					39%					5%	
Y	0%	0%	0%	0%	0%	0%	39%	5%	26%	0%	0%	0%
AM Out												
PM In	26%	0%	0%	0%	0%	39%	0%	0%	0%	0%	5%	0%
PM Out	0%	0%	0%	0%	0%	0%	39%	5%	26%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	53	0	0	0	0	80	0	0	0	0	10	0
AM Out	184	0	0	0	0	0	0	72	9	48	0	0	0
PM In	185	48	0	0	0	0	72	0	0	0	0	9	0
PM Out	170	0	0	0	0	0	0	66	8	44	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	4	Alder Avenue at Base Line Road

Y

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	33	3	91	0	0	12	29	0	0	2	25
AM Out		0	0	0	22	22	11	0	1	0	1	11	29
AM Tot		0	33	3	113	22	11	12	30	0	1	13	54
PM In		0	24	1	33	0	0	11	14	0	0	1	22
PM Out		0	0	0	20	31	10	0	2	0	3	29	92
PM Tot		0	24	1	53	31	10	11	16	0	3	30	114

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In				15%				15%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	15%
AM Out												
PM In	0%	0%	0%	15%	0%	0%	0%	15%	0%		0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	15%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	17	0	0	0	17	0	0	0	0
AM Out	52	0	0	0	0	0	0	0	0	0	0	8	8
PM In	62	0	0	0	9	0	0	0	9	0	0	0	0
PM Out	114	0	0	0	0	0	0	0	0	0	0	17	17

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In				50%								
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
AM Out												
PM In	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	71	0	0	0	0	0	0	0	0
AM Out	41	0	0	0	0	0	0	0	0	0	0	0	20
PM In	47	0	0	0	23	0	0	0	0	0	0	0	0
PM Out	144	0	0	0	0	0	0	0	0	0	0	0	72

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In				1%				1%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%
AM Out												
PM In	0%	0%	0%	1%	0%	0%	0%	1%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	3	0	0	0	3	0	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	0	1	1
PM In	119	0	0	0	1	0	0	0	1	0	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	0	3	3

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	4	Alder Avenue at Base Line Road

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		25%									10%	
Y	0%	0%	0%	0%	25%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	25%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		10%									20%	
Y	0%	0%	0%	0%	10%	0%	0%	20%	0%	0%	0%	0%
AM Out												
PM In	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%
PM Out	0%	0%	0%	0%	10%	0%	0%	20%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	1	0	0	0	0	0	0	0	0	2	0
AM Out	3	0	0	0	0	0	0	0	1	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	1	0
PM Out	8	0	0	0	0	1	0	0	2	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		15%										
Y	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	4	Alder Avenue at Base Line Road

AM Out													
PM In	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PM Out	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	

AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In			10%					15%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	15%	0%
AM Out												
PM In	0%	0%	10%	0%	0%	0%	0%	15%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	15%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	3	0	0	0	0	4	0	0	0	0
AM Out	8	0	0	0	0	0	0	0	0	0	1	1	0
PM In	10	0	0	1	0	0	0	0	2	0	0	0	0
PM Out	29	0	0	0	0	0	0	0	0	0	3	4	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In								10%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	0	0	0	5	0	0	0	0
AM Out	14	0	0	0	0	0	0	0	0	0	0	1	0
PM In	16	0	0	0	0	0	0	0	2	0	0	0	0
PM Out	49	0	0	0	0	0	0	0	0	0	0	5	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											0%	
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	4	Alder Avenue at Base Line Road

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		20%										
Y	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	16	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	0	7	0	0	0	0	0	0	0
PM In	43	0	9	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	0	16	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		8%					6%					12%
Y	0%	0%	0%	12%	8%	6%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	8%	0%	0%	0%	0%	6%	0%	0%	0%	0%	12%
PM Out	0%	0%	0%	12%	8%	6%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	16	0	0	0	0	12	0	0	0	0	25
AM Out	184	0	0	0	22	15	11	0	0	0	0	0	0
PM In	185	0	15	0	0	0	0	11	0	0	0	0	22
PM Out	170	0	0	0	20	14	10	0	0	0	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	5	Ayala Drive at SR-210 WB Ramps

N

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	134	0	0	32	0	0	0	0	97	0	67
AM Out		67	21	0	0	122	47	0	0	0	0	0	0
AM Tot		67	155	0	0	154	47	0	0	0	97	0	67
PM In		0	110	0	0	24	0	0	0	0	83	0	53
PM Out		95	34	0	0	129	41	0	0	0	0	0	0
PM Tot		95	144	0	0	153	41	0	0	0	83	0	53

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	52	0	0	0	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	114	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	41	0	0	0	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	144	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					8%		
N	4%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	4%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	8%	0%	0%
PM Out	4%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	13	0	0	0	0	21	0	0
AM Out	95	4	5	0	0	0	0	0	0	0	0	0	0
PM In	119	0	0	0	0	6	0	0	0	0	10	0	0
PM Out	266	11	13	0	0	0	0	0	0	0	0	0	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	5	Ayala Drive at SR-210 WB Ramps

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	8	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		5%										20%
N	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	5	Ayala Drive at SR-210 WB Ramps

AM Out					25%							
PM In	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%
PM Out	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%

AM Out	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												40%
N	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%
AM Out					40%							
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%
PM Out	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	8	0	0	0	0	0	0	0	0	0	0	0	0
PM In	10	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	29	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	14	0	0	0	0	0	0	0	0	0	0	0	0
PM In	16	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	49	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	5	Ayala Drive at SR-210 WB Ramps

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		10%										
N	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
AM Out					10%							
PM In	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	3	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	2	0	0	0	0	0	0	0
PM In	26	0	3	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	3	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		55%										25%
N	0%	0%	0%	0%	55%	25%	0%	0%	0%	0%	0%	0%
AM Out					55%	25%						
PM In	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
PM Out	0%	0%	0%	0%	55%	25%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	111	0	0	0	0	0	0	0	0	0	51
AM Out	188	0	0	0	0	103	47	0	0	0	0	0	0
PM In	174	0	96	0	0	0	0	0	0	0	0	0	44
PM Out	164	0	0	0	0	90	41	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		25%										20%
N	0%	0%	0%	0%	45%	0%	0%	0%	0%	0%	0%	0%
AM Out					45%							
PM In	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%
PM Out	0%	0%	0%	0%	45%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	20	0	0	0	0	0	0	0	0	0	16
AM Out	37	0	0	0	0	17	0	0	0	0	0	0	0
PM In	43	0	11	0	0	0	0	0	0	0	0	0	9
PM Out	80	0	0	0	0	36	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												40%
N	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%
AM Out					40%							
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%
PM Out	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	184	0	0	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	170	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	21	East of Project Warehouses

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					20%		

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	129	0	0	0	0	6	0	0	0	0	26	0	0

	Int. #:	5	Ayala Drive at SR-210 WB Ramps									
N	20%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	20%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	20%	0%	0%
PM Out	20%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

AM Out	65	13	3	0	0	0	0	0	0	0	0	0	0
PM In	75	0	0	0	0	4	0	0	0	0	15	0	0
PM Out	133	27	7	0	0	0	0	0	0	0	0	0	0

Zone #	22	South of Baseline

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					5%					20%		
N	20%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out	20%	5%										
PM In	0%	0%	0%	0%	5%	0%	0%	0%	0%	20%	0%	0%
PM Out	20%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	252	0	0	0	0	13	0	0	0	0	50	0	0
AM Out	250	50	13	0	0	0	0	0	0	0	0	0	0
PM In	289	0	0	0	0	14	0	0	0	0	58	0	0
PM Out	286	57	14	0	0	0	0	0	0	0	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	6	Ayala Drive at SR-210 EB Ramps

N

TOTAL CUMULATIVE PROJECTS TRAFFIC													
Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	84	0	0	111	0	51	0	87	0	0	0
AM Out		0	72	71	54	67	0	0	0	0	0	0	0
AM Tot		0	156	71	54	178	0	51	0	87	0	0	0
PM In		0	66	0	0	88	0	44	0	78	0	0	0
PM Out		0	108	105	57	72	0	0	0	0	0	0	0
PM Tot		0	174	105	57	160	0	44	0	78	0	0	0

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	52	0	0	0	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	114	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	41	0	0	0	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	144	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					13%				4%			
N	0%	9%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		9%	8%									
PM In	0%	0%	0%	0%	13%	0%	0%	0%	4%	0%	0%	0%
PM Out	0%	9%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	35	0	0	0	11	0	0	0
AM Out	95	0	9	8	0	0	0	0	0	0	0	0	0
PM In	119	0	0	0	0	15	0	0	0	5	0	0	0
PM Out	266	0	24	21	0	0	0	0	0	0	0	0	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	6	Ayala Drive at SR-210 EB Ramps

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	8	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		5%										
N	0%	0%	0%	20%	5%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	6	Ayala Drive at SR-210 EB Ramps

AM Out				20%	5%								
PM In	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PM Out	0%	0%	0%	20%	5%	0%	0%	0%	0%	0%	0%	0%	

AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out				40%								
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	8	0	0	0	0	0	0	0	0	0	0	0	0
PM In	10	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	29	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	14	0	0	0	0	0	0	0	0	0	0	0	0
PM In	16	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	49	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	6	Ayala Drive at SR-210 EB Ramps

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		10%										
N	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
AM Out					10%							
PM In	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	3	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	2	0	0	0	0	0	0	0
PM In	26	0	3	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	3	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		30%					25%					
N	0%	0%	0%	25%	30%	0%	0%	0%	0%	0%	0%	0%
AM Out				25%	30%							
PM In	0%	30%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	25%	30%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	61	0	0	0	0	51	0	0	0	0	0
AM Out	188	0	0	0	47	56	0	0	0	0	0	0	0
PM In	174	0	52	0	0	0	0	44	0	0	0	0	0
PM Out	164	0	0	0	41	49	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		25%										
N	0%	0%	0%	20%	25%	0%	0%	0%	0%	0%	0%	0%
AM Out				20%	25%							
PM In	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	20%	25%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	20	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	7	9	0	0	0	0	0	0	0
PM In	43	0	11	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	16	20	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out				40%								
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	184	0	0	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	170	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	21	East of Project Warehouses

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				20%			

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	129	0	0	0	0	26	0	0	0	26	0	0	0

Int. #:	6	Ayala Drive at SR-210 EB Ramps

N	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		20%	20%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	20%	0%	0%	0%
PM Out	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%

AM Out	65	0	13	13	0	0	0	0	0	0	0	0	0
PM In	75	0	0	0	0	15	0	0	0	15	0	0	0
PM Out	133	0	27	27	0	0	0	0	0	0	0	0	0

Zone #	22	South of Baseline

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				20%			
N	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		20%	20%									
PM In	0%	0%	0%	0%	20%	0%	0%	0%	20%	0%	0%	0%
PM Out	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	252	0	0	0	0	50	0	0	0	50	0	0	0
AM Out	250	0	50	50	0	0	0	0	0	0	0	0	0
PM In	289	0	0	0	0	58	0	0	0	58	0	0	0
PM Out	286	0	57	57	0	0	0	0	0	0	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	7	Ayala Drive at Renaissance Parkway

Y

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		101	16	0	0	134	46	0	0	19	0	37	12
AM Out		16	83	0	6	7	0	16	17	38	0	0	0
AM Tot		117	99	0	6	141	46	16	17	57	0	37	12
PM In		47	9	0	0	97	20	0	0	18	0	20	6
PM Out		21	143	0	12	16	0	45	36	100	0	0	0
PM Tot		68	152	0	12	113	20	45	36	118	0	20	6

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%							
Y	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	20%	0%	0%	0%	0%		0%	0%
PM Out	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	22	0	0	0	0	0	0	0
AM Out	52	0	10	0	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	12	0	0	0	0	0	0	0
PM Out	114	0	23	0	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					25%							
Y	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	36	0	0	0	0	0	0	0
AM Out	41	0	10	0	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	12	0	0	0	0	0	0	0
PM Out	144	0	36	0	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	36%					17%					10%	
Y	0%	0%	0%	0%	0%	0%	17%	10%	36%	0%	0%	0%
AM Out												
PM In	36%	0%	0%	0%	0%	17%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	17%	10%	36%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	96	0	0	0	0	46	0	0	0	0	27	0
AM Out	95	0	0	0	0	0	0	16	10	34	0	0	0
PM In	119	43	0	0	0	0	20	0	0	0	0	12	0
PM Out	266	0	0	0	0	0	0	45	27	96	0	0	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	7	Ayala Drive at Renaissance Parkway

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10%										15%	
Y	0%	0%	0%	0%	0%	0%	0%	15%	10%	0%	0%	0%
AM Out												
PM In	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	15%	10%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	1	0	0	0	0	0	0	0	0	0	1	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	1	0
PM Out	8	0	0	0	0	0	0	0	1	1	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		5%										
Y	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	7	Ayala Drive at Renaissance Parkway

AM Out													AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In													AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%														
AM Out													AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%		AM In	28	0	0	0	0	0	0	0	0	0	0	3	0
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%														
AM Out													AM Out	8	0	0	0	0	0	0	0	1	0	0	0	0
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%	PM In	10	0	0	0	0	0	0	0	0	0	0	1	0
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%	PM Out	29	0	0	0	0	0	0	0	3	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In													AM In	49	0	0	0	0	0	0	0	0	0	0	0	0
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%														
AM Out													AM Out	14	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM In	16	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM Out	49	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In													AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%														
AM Out													AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In													AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%														
AM Out													AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	7	Ayala Drive at Renaissance Parkway

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		20%										15%
Y	0%	0%	0%	15%	20%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%
PM Out	0%	0%	0%	15%	20%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	16	0	0	0	0	0	0	0	0	0	12
AM Out	37	0	0	0	6	7	0	0	0	0	0	0	0
PM In	43	0	9	0	0	0	0	0	0	0	0	0	6
PM Out	80	0	0	0	12	16	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	2%										3%	
Y	0%	0%	0%	0%	0%	0%	0%	3%	2%	0%	0%	0%
AM Out												
PM In	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	3%	2%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	4	0	0	0	0	0	0	0	0	0	6	0
AM Out	184	0	0	0	0	0	0	0	6	4	0	0	0
PM In	185	4	0	0	0	0	0	0	0	0	0	6	0
PM Out	170	0	0	0	0	0	0	0	5	3	0	0	0

Zone #	21	East of Project Warehouses

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				5%			

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	129	0	0	0	0	26	0	0	0	6	0	0	0

	Int. #:	7	Ayala Drive at Renaissance Parkway									
Y	5%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	20%	0%	0%	0%	5%	0%	0%	0%
PM Out	5%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

AM Out	65	3	13	0	0	0	0	0	0	0	0	0	0
PM In	75	0	0	0	0	15	0	0	0	4	0	0	0
PM Out	133	7	27	0	0	0	0	0	0	0	0	0	0

Zone #	22	South of Baseline

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%				5%			
Y	5%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	20%	0%	0%	0%	5%	0%	0%	0%
PM Out	5%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	252	0	0	0	0	50	0	0	0	13	0	0	0
AM Out	250	13	50	0	0	0	0	0	0	0	0	0	0
PM In	289	0	0	0	0	58	0	0	0	14	0	0	0
PM Out	286	14	57	0	0	0	0	0	0	0	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	8	Ayala Drive at Fitzgerald Avenue

N

TOTAL CUMULATIVE PROJECTS TRAFFIC													
Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	20	0	0	121	0	0	0	0	0	0	0
AM Out		0	77	0	0	8	0	0	0	0	0	0	0
AM Tot		0	97	0	0	129	0	0	0	0	0	0	0
PM In		0	11	0	0	90	0	0	0	0	0	0	0
PM Out		0	129	0	0	20	0	0	0	0	0	0	1
PM Tot		0	140	0	0	110	0	0	0	0	0	0	1

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%							
Y	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	22	0	0	0	0	0	0	0
AM Out	52	0	10	0	0	0	0	0	0	0	0	0	0
PM In	62	0	0	0	0	12	0	0	0	0	0	0	0
PM Out	114	0	23	0	0	0	0	0	0	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					25%							
Y	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	36	0	0	0	0	0	0	0
AM Out	41	0	10	0	0	0	0	0	0	0	0	0	0
PM In	47	0	0	0	0	12	0	0	0	0	0	0	0
PM Out	144	0	36	0	0	0	0	0	0	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	0	0	0
PM In	119	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	8	Ayala Drive at Fitzgerald Avenue

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	8	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		5%										
Y	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	8	Ayala Drive at Fitzgerald Avenue

AM Out													
PM In	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PM Out	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	

AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		15%										
Y	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	4	0	0	0	0	0	0	0	0	0	0
AM Out	8	0	0	0	0	1	0	0	0	0	0	0	0
PM In	10	0	2	0	0	0	0	0	0	0	0	0	0
PM Out	29	0	0	0	0	4	0	0	0	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
AM Out												3%
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	14	0	0	0	0	0	0	0	0	0	0	0	0
PM In	16	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	49	0	0	0	0	0	0	0	0	0	0	0	1

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	8	Ayala Drive at Fitzgerald Avenue

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		20%										
Y	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	16	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	0	7	0	0	0	0	0	0	0
PM In	43	0	9	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	0	16	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
N	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	184	0	0	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	170	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	21	East of Project Warehouses

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					10%							

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	129	0	0	0	0	13	0	0	0	0	0	0	0

Int. #:	8	Ayala Drive at Fitzgerald Avenue									
N	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		10%										
PM In	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

AM Out	65	0	7	0	0	0	0	0	0	0	0	0	0
PM In	75	0	0	0	0	8	0	0	0	0	0	0	0
PM Out	133	0	13	0	0	0	0	0	0	0	0	0	0

Zone #	22	South of Baseline

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%							
N	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out		20%										
PM In	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	252	0	0	0	0	50	0	0	0	0	0	0	0
AM Out	250	0	50	0	0	0	0	0	0	0	0	0	0
PM In	289	0	0	0	0	58	0	0	0	0	0	0	0
PM Out	286	0	57	0	0	0	0	0	0	0	0	0	0

Enter only in blue cells | Yellow cells calculate

Int. #: 9 Ayala Drive at Base Line Road

Y

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		45	17	0	0	50	58	0	5	0	0	51	3
AM Out		0	50	0	1	7	0	20	19	15	0	2	0
AM Tot		45	67	0	1	57	58	20	24	15	0	53	3
PM In		19	10	0	0	58	24	0	2	0	0	24	1
PM Out		0	57	0	3	17	0	59	51	46	0	5	0
PM Tot		19	67	0	3	75	24	59	53	46	0	29	1

3	9	0	0	50	9	0	4	0	0	-1	-4
0	50	0	-2	4	0	6	7	4	0	1	0
3	59	0	-2	54	9	6	11	4	0	0	-4
3	7	0	0	58	8	0	1	0	0	6	-1
0	57	0	-4	9	0	10	-1	4	0	4	0
3	64	0	-4	67	8	10	0	4	0	10	-1

Zone # 1 Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	15%					20%					25%	
Y	0%	0%	0%	0%	0%	0%	20%	25%	15%	0%	0%	0%
AM Out												
PM In	15%	0%	0%	0%	0%	20%	0%	0%	0%		25%	0%
PM Out	0%	0%	0%	0%	0%	0%	20%	25%	15%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	17	0	0	0	0	22	0	0	0	0	28	0
AM Out	52	0	0	0	0	0	0	10	13	8	0	0	0
PM In	62	9	0	0	0	0	12	0	0	0	0	16	0
PM Out	114	0	0	0	0	0	0	23	28	17	0	0	0

Zone # 2 Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	15%					25%					10%	
Y	0%	0%	0%	0%	0%	0%	25%	10%	15%	0%	0%	0%
AM Out												
PM In	15%	0%	0%	0%	0%	25%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	25%	10%	15%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	21	0	0	0	0	36	0	0	0	0	14	0
AM Out	41	0	0	0	0	0	0	10	4	6	0	0	0
PM In	47	7	0	0	0	0	12	0	0	0	0	5	0
PM Out	144	0	0	0	0	0	0	36	14	22	0	0	0

Zone # 3 Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In								2%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	0	0	0	5	0	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	0	2	0
PM In	119	0	0	0	0	0	0	0	2	0	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	0	5	0

Zone # 4 Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone # 5 Crow Holding (N/S Baseline E/O Ayala) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone # 6 Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone # 7 Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone # 8 Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10%										10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	10%	0%	0%	0%
AM Out												
PM In	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	10%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	1	0	0	0	0	0	0	0	0	0	1	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	8	0	0	0	0	0	0	0	1	1	0	0	0

Int. #:	9	Ayala Drive at Base Line Road

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		5%										
Y	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	5%	5%									5%	10%
Y	0%	0%	0%	10%	5%	0%	0%	5%	5%	0%	0%	0%
AM Out												
PM In	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	5%	10%
PM Out	0%	0%	0%	10%	5%	0%	0%	5%	5%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	1	1	0	0	0	0	0	0	0	0	1	3
AM Out	8	0	0	0	1	0	0	0	0	0	0	0	0
PM In	10	1	1	0	0	0	0	0	0	0	0	1	1
PM Out	29	0	0	0	3	1	0	0	1	1	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10%										15%	
Y	0%	0%	0%	0%	0%	0%	0%	15%	10%	0%	0%	0%
AM Out												
PM In	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	15%	10%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	5	0	0	0	0	0	0	0	0	0	7	0
AM Out	14	0	0	0	0	0	0	0	2	1	0	0	0
PM In	16	2	0	0	0	0	0	0	0	0	0	2	0
PM Out	49	0	0	0	0	0	0	0	7	5	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	16	Warehouse SEC Alder/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Int. #:	9	Ayala Drive at Base Line Road

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		20%										
Y	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	16	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	0	7	0	0	0	0	0	0	0
PM In	43	0	9	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	0	16	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												10%
Y	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%
PM Out	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	184	0	0	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	170	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	21	East of Project Warehouses

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	129	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	65	0	0	0	0	0	0	0	0	0	0	0	0
PM In	75	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	133	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	22	South of Baseline

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In					20%							
Y	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	252	0	0	0	0	50	0	0	0	0	0	0	0
AM Out	250	0	50	0	0	0	0	0	0	0	0	0	0
PM In	289	0	0	0	0	58	0	0	0	0	0	0	0
PM Out	286	0	57	0	0	0	0	0	0	0	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	10	Fitzgerald Avenue at Base Line Road

Y

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		0	0	0	0	0	0	0	5	0	0	36	0
AM Out		0	0	0	0	0	0	0	12	0	0	2	0
AM Tot		0	0	0	0	0	0	0	17	0	0	38	0
PM In		0	0	0	0	0	0	0	2	0	0	15	0
PM Out		0	0	0	0	0	0	0	36	0	0	5	0
PM Tot		0	0	0	0	0	0	0	38	0	0	20	0

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	0	0	0	0	0	0	0	0	0	0	11	0
AM Out	52	0	0	0	0	0	0	0	5	0	0	0	0
PM In	62	0	0	0	0	0	0	0	0	0	0	6	0
PM Out	114	0	0	0	0	0	0	0	11	0	0	0	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	0	0	0	0	0	0	14	0
AM Out	41	0	0	0	0	0	0	0	4	0	0	0	0
PM In	47	0	0	0	0	0	0	0	0	0	0	5	0
PM Out	144	0	0	0	0	0	0	0	14	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In								2%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	0	0	0	5	0	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	0	2	0
PM In	119	0	0	0	0	0	0	0	2	0	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	0	5	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	10	Fitzgerald Avenue at Base Line Road

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	8	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	10	Fitzgerald Avenue at Base Line Road

	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											15%	
Y	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	0	0	0	0	0	0	0	0	0	0	4	0
AM Out	8	0	0	0	0	0	0	0	1	0	0	0	0
PM In	10	0	0	0	0	0	0	0	0	0	0	2	0
PM Out	29	0	0	0	0	0	0	0	4	0	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											15%	
Y	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	0	0	0	0	0	0	7	0
AM Out	14	0	0	0	0	0	0	0	2	0	0	0	0
PM In	16	0	0	0	0	0	0	0	0	0	0	2	0
PM Out	49	0	0	0	0	0	0	0	7	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	16	Warehouse SEC Alder/Casmalia

Int. #:	10	Fitzgerald Avenue at Base Line Road

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	0	0	0	0	0	0	0	0	0
PM In	43	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	184	0	0	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	170	0	0	0	0	0	0	0	0	0	0	0	0

Enter only in blue cells	Yellow cells calculate

Int. #:	11	Cactus Avenue at Base Line Road

Y

TOTAL CUMULATIVE PROJECTS TRAFFIC

Pk Hr		NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In		7	0	0	0	0	12	0	16	0	0	22	0
AM Out		0	0	0	0	0	0	5	6	3	0	7	0
AM Tot		7	0	0	0	0	12	5	22	3	0	29	0
PM In		4	0	0	0	0	7	0	8	0	0	8	0
PM Out		0	0	0	0	0	0	12	22	7	0	16	0
PM Tot		4	0	0	0	0	7	12	30	7	0	24	0

Zone #	1	Warehouses on Baseline West of Alder - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	5%					10%		10%				
Y	0%	0%	0%	0%	0%	0%	10%	0%	5%	0%	10%	0%
AM Out												
PM In	5%	0%	0%	0%	0%	10%	0%	10%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	10%	0%	5%	0%	10%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	112	6	0	0	0	0	11	0	11	0	0	0	0
AM Out	52	0	0	0	0	0	0	5	0	3	0	5	0
PM In	62	3	0	0	0	0	6	0	6	0	0	0	0
PM Out	114	0	0	0	0	0	0	11	0	6	0	11	0

Zone #	2	Warehouses on Baseline West of Alder - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	142	0	0	0	0	0	0	0	0	0	0	14	0
AM Out	41	0	0	0	0	0	0	0	4	0	0	0	0
PM In	47	0	0	0	0	0	0	0	0	0	0	5	0
PM Out	144	0	0	0	0	0	0	0	14	0	0	0	0

Zone #	3	Hotel (SWC of Linden at Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In								2%				
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	268	0	0	0	0	0	0	0	5	0	0	0	0
AM Out	95	0	0	0	0	0	0	0	0	0	0	2	0
PM In	119	0	0	0	0	0	0	0	2	0	0	0	0
PM Out	266	0	0	0	0	0	0	0	0	0	0	5	0

Zone #	4	Crow Holding (N/S Baseline E/O Ayala) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	5	Crow Holding (N/S Baseline E/O Ayala) - Trucks

Int. #:	11	Cactus Avenue at Base Line Road

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	6	Prologis (Tamarind @ Walnut) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	7	Prologis (Tamarind @ Walnut) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	8	Orbis (NEC Renaissance and Laurel) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	8	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	3	0	0	0	0	0	0	0	0	0	0	0	0
PM In	4	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	8	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	9	Orbis (NEC Renaissance and Laurel) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	10	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	2	0	0	0	0	0	0	0	0	0	0	0	0
PM In	3	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	11	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	10	Prologis (Locust @ Stonehurst) - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0

Int. #:	11	Cactus Avenue at Base Line Road

PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	11	Prologis (Locust @ Stonehurst) - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	12	Morin Warehouse - PC

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	5%					5%					5%	
Y	0%	0%	0%	0%	0%	0%	5%	5%	5%	0%	0%	0%
AM Out												
PM In	5%	0%	0%	0%	0%	5%	0%	0%	0%	0%	5%	0%
PM Out	0%	0%	0%	0%	0%	0%	5%	5%	5%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	28	1	0	0	0	0	1	0	0	0	0	1	0
AM Out	8	0	0	0	0	0	0	0	0	0	0	0	0
PM In	10	1	0	0	0	0	1	0	0	0	0	1	0
PM Out	29	0	0	0	0	0	0	1	1	1	0	0	0

Zone #	13	Morin Warehouse - Trucks

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											15%	
Y	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	49	0	0	0	0	0	0	0	0	0	0	7	0
AM Out	14	0	0	0	0	0	0	0	2	0	0	0	0
PM In	16	0	0	0	0	0	0	0	0	0	0	2	0
PM Out	49	0	0	0	0	0	0	0	7	0	0	0	0

Zone #	14	Ayala Shopping Center

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	207	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	193	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	146	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	15	Fuel / FF / Market

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	557	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	556	0	0	0	0	0	0	0	0	0	0	0	0
PM In	454	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	454	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	16	Warehouse SEC Alder/Casmalia

Int. #:	11	Cactus Avenue at Base Line Road

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	25	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	24	0	0	0	0	0	0	0	0	0	0	0	0
PM In	26	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	25	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	17	Fuel Station /Fast Food SWC Ayala/Casmalia

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	202	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	188	0	0	0	0	0	0	0	0	0	0	0	0
PM In	174	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	164	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	18	SEC Casmalia/Linden Warehouse

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	78	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	37	0	0	0	0	0	0	0	0	0	0	0	0
PM In	43	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	80	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	19	

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In											10%	
Y	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	0	0	0	0	0	0	0	0	0	0	0	0	0
PM In	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	0	0	0	0	0	0	0	0	0	0	0	0	0

Zone #	20	Sater Bros - Comm Dvlpmnt (Alder @ Renaissance)

Pk Hr	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In												
Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AM Out												
PM In	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PM Out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Pk Hr	T Gen	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AM In	205	0	0	0	0	0	0	0	0	0	0	0	0
AM Out	184	0	0	0	0	0	0	0	0	0	0	0	0
PM In	185	0	0	0	0	0	0	0	0	0	0	0	0
PM Out	170	0	0	0	0	0	0	0	0	0	0	0	0

APPENDIX **F**

SIGNAL WARRANT ANALYSIS WORKSHEET

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2000 MUTCD)

MAJOR STREET: **Ayala Drive** NB SB # OF APPROACH LANES: **2**

MINOR STREET: **Fitzgeral Avenue** EB WB # OF APPROACH LANES: **2**

CITY, STATE: **Rialto, CA**

COMMENTS: Signal Warrant Study, Opening Year Cumulative Without Project

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): **N**
85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **Y**

			MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour
					MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET		
THRESHOLD VALUES				→	**420**	**140**		**630**	**70**		**336**	**112**		**504**	**56**			
06:00 AM	TO	07:00 AM	0	0														
07:00 AM	TO	08:00 AM	0	0														
08:00 AM	TO	09:00 AM	1,926	117	Y			Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
09:00 AM	TO	10:00 AM	0	0														
10:00 AM	TO	11:00 AM	0	0														
11:00 AM	TO	12:00 PM	0	0														
12:00 PM	TO	01:00 PM	0	0														
01:00 PM	TO	02:00 PM	0	0														
02:00 PM	TO	03:00 PM	0	0														
03:00 PM	TO	04:00 PM	0	0														
04:00 PM	TO	05:00 PM	0	0														
05:00 PM	TO	06:00 PM	2,149	156	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
06:00 PM	TO	07:00 PM	0	0														
07:00 PM	TO	08:00 PM	0	0														
08:00 PM	TO	09:00 PM	0	0														
09:00 PM	TO	10:00 PM	0	0														
			4,075	273	2	1	**1**	2	2	**2**	2	2	**2**	2	2	**2**	**2**	**2**
					8 HOURS NEEDED **NOT SATISFIED**			8 HOURS NEEDED **NOT SATISFIED**			8 HOURS NEEDED for both Condition A & B **NOT SATISFIED**						4 HRS NEEDED **NOT SATISFIED**	1 HR NEEDED **SATISFIED**

12/11/19
Kimley-Horn and Associates

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2000 MUTCD)

MAJOR STREET: **Ayala Drive** NB SB # OF APPROACH LANES: **2**

MINOR STREET: **Fitzgeral Avenue** EB WB # OF APPROACH LANES: **2**

CITY, STATE: **Rialto, CA**

COMMENTS: Signal Warrant Study
Opening Year 2020 Cumulative Plus Project

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): **N**
85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **Y**

			MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour
					MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET		
THRESHOLD VALUES				→	**420**	**140**		**630**	**70**		**336**	**112**		**504**	**56**			
06:00 AM	TO	07:00 AM	0	0														
07:00 AM	TO	08:00 AM	0	0														
08:00 AM	TO	09:00 AM	1,962	120	Y			Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
09:00 AM	TO	10:00 AM	0	0														
10:00 AM	TO	11:00 AM	0	0														
11:00 AM	TO	12:00 PM	0	0														
12:00 PM	TO	01:00 PM	0	0														
01:00 PM	TO	02:00 PM	0	0														
02:00 PM	TO	03:00 PM	0	0														
03:00 PM	TO	04:00 PM	0	0														
04:00 PM	TO	05:00 PM	0	0														
05:00 PM	TO	06:00 PM	2,181	165	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
06:00 PM	TO	07:00 PM	0	0														
07:00 PM	TO	08:00 PM	0	0														
08:00 PM	TO	09:00 PM	0	0														
09:00 PM	TO	10:00 PM	0	0														
			4,143	285	2	1	**1**	2	2	**2**	2	2	**2**	2	2	**2**	**2**	**2**
					8 HOURS NEEDED			8 HOURS NEEDED			8 HOURS NEEDED for both Condition A & B						4 HRS NEEDED	1 HR NEEDED
					NOT SATISFIED			**NOT SATISFIED**			**NOT SATISFIED**						**NOT SATISFIED**	**SATISFIED**

12/16/19
Kimley-Horn and Associates

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2000 MUTCD)

MAJOR STREET: **Baseline Road** EB WB # OF APPROACH LANES: **2**

MINOR STREET: **Fitzgerald Avenue** NB SB # OF APPROACH LANES: **1**

CITY, STATE: **Rialto, CA**

COMMENTS: Signal Warrant Study, Opening Year Cumulative Without Project

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): **N**

85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **Y**

	MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour
			MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET		
THRESHOLD VALUES →			**420**	**105**		**630**	**53**		**336**	**84**		**504**	**42**			
06:00 AM TO 07:00 AM	0	0														
07:00 AM TO 08:00 AM	0	0														
08:00 AM TO 09:00 AM	1,371	95	Y			Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
09:00 AM TO 10:00 AM	0	0														
10:00 AM TO 11:00 AM	0	0														
11:00 AM TO 12:00 PM	0	0														
12:00 PM TO 01:00 PM	0	0														
01:00 PM TO 02:00 PM	0	0														
02:00 PM TO 03:00 PM	0	0														
03:00 PM TO 04:00 PM	0	0														
04:00 PM TO 05:00 PM	0	0														
05:00 PM TO 06:00 PM	1,567	180	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
06:00 PM TO 07:00 PM	0	0														
07:00 PM TO 08:00 PM	0	0														
08:00 PM TO 09:00 PM	0	0														
09:00 PM TO 10:00 PM	0	0														
	2,938	275	2	1	**1**	2	2	**2**	2	2	**2**	2	2	**2**	**2**	**2**
			8 HOURS NEEDED			8 HOURS NEEDED			8 HOURS NEEDED for both Condition A & B						4 HRS NEEDED	1 HR NEEDED
			NOT SATISFIED			**NOT SATISFIED**			**NOT SATISFIED**						**NOT SATISFIED**	**SATISFIED**

12/11/19

Kimley-Horn and Associates

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2000 MUTCD)

MAJOR STREET: **Baseline Road** EB WB # OF APPROACH LANES: **2**

MINOR STREET: **Fitzgerald Avenue** NB SB # OF APPROACH LANES: **1**

CITY, STATE: **Rialto, CA**

COMMENTS: Signal Warrant Study
Opening Year 2020 Cumulative Plus Project

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): **N**
85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **Y**

			MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour
					MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET		
THRESHOLD VALUES				→	**420**	**105**		**630**	**53**		**336**	**84**		**504**	**42**			
06:00 AM	TO	07:00 AM	0	0														
07:00 AM	TO	08:00 AM	0	0														
08:00 AM	TO	09:00 AM	1,546	116	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
09:00 AM	TO	10:00 AM	0	0														
10:00 AM	TO	11:00 AM	0	0														
11:00 AM	TO	12:00 PM	0	0														
12:00 PM	TO	01:00 PM	0	0														
01:00 PM	TO	02:00 PM	0	0														
02:00 PM	TO	03:00 PM	0	0														
03:00 PM	TO	04:00 PM	0	0														
04:00 PM	TO	05:00 PM	0	0														
05:00 PM	TO	06:00 PM	1,768	189	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
06:00 PM	TO	07:00 PM	0	0														
07:00 PM	TO	08:00 PM	0	0														
08:00 PM	TO	09:00 PM	0	0														
09:00 PM	TO	10:00 PM	0	0														
			3,314	305	2	2	**2**	2	2	**2**	2	2	**2**	2	2	**2**	**2**	**2**
					8 HOURS NEEDED			8 HOURS NEEDED			8 HOURS NEEDED for both Condition A & B						4 HRS NEEDED	1 HR NEEDED
					NOT SATISFIED			**NOT SATISFIED**			**NOT SATISFIED**						**NOT SATISFIED**	**SATISFIED**

12/16/19
Kimley-Horn and Associates

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2000 MUTCD)

MAJOR STREET: **Baseline Road** EB WB # OF APPROACH LANES: **2**

MINOR STREET: **Idyllwild Rd/Driveway 2** NB SB # OF APPROACH LANES: **1**

CITY, STATE: **Rialto, CA**

COMMENTS: Signal Warrant Study
Opening Year 2022 Cumulative Plus Project

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): **N**
85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **Y**

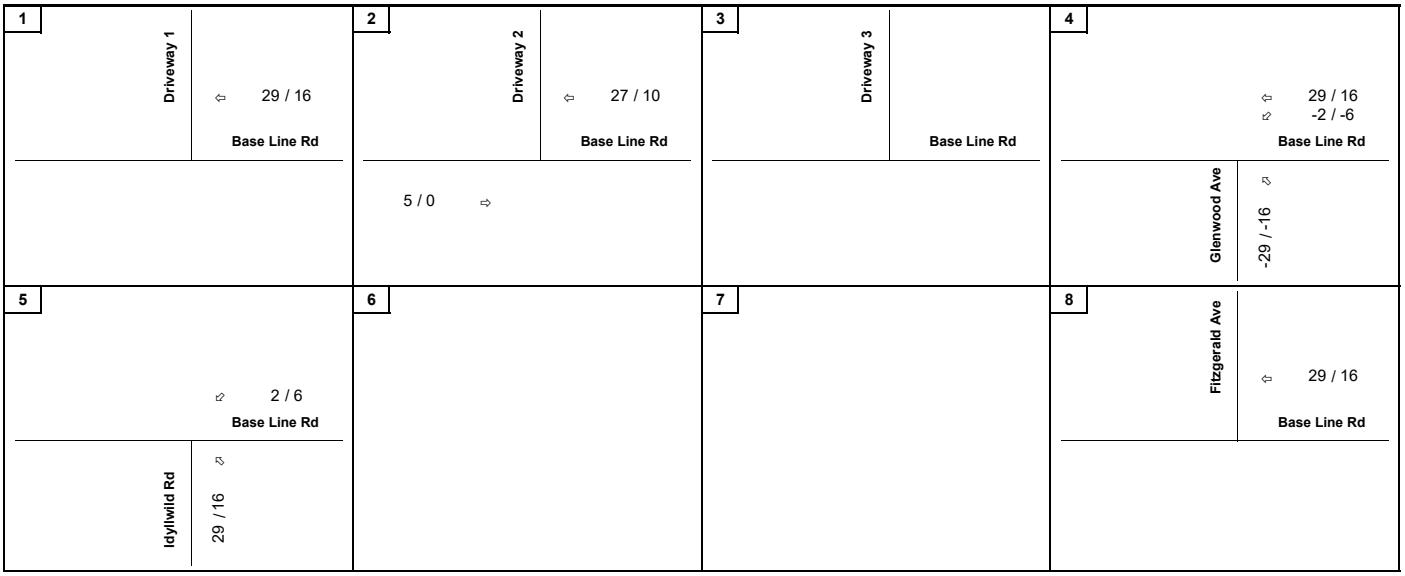
			MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour
					MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET		
THRESHOLD VALUES				→	**420**	**105**		**630**	**53**		**336**	**84**		**504**	**42**			
06:00 AM	TO	07:00 AM	0	0														
07:00 AM	TO	08:00 AM	0	0														
08:00 AM	TO	09:00 AM	1,395	93	Y			Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
09:00 AM	TO	10:00 AM	0	0														
10:00 AM	TO	11:00 AM	0	0														
11:00 AM	TO	12:00 PM	0	0														
12:00 PM	TO	01:00 PM	0	0														
01:00 PM	TO	02:00 PM	0	0														
02:00 PM	TO	03:00 PM	0	0														
03:00 PM	TO	04:00 PM	0	0														
04:00 PM	TO	05:00 PM	0	0														
05:00 PM	TO	06:00 PM	1,678	126	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	Y	Y	**Y**	**Y**	**Y**
06:00 PM	TO	07:00 PM	0	0														
07:00 PM	TO	08:00 PM	0	0														
08:00 PM	TO	09:00 PM	0	0														
09:00 PM	TO	10:00 PM	0	0														
			3,073	219	2	1	**1**	2	2	**2**	2	2	**2**	2	2	**2**	**2**	**2**
					8 HOURS NEEDED			8 HOURS NEEDED			8 HOURS NEEDED for both Condition A & B						4 HRS NEEDED	1 HR NEEDED
					NOT SATISFIED			**NOT SATISFIED**			**NOT SATISFIED**						**NOT SATISFIED**	**SATISFIED**

06/30/21
Kimley-Horn and Associates

APPENDIX **G**

GLENWOOD AVE REDISTRIBUTION AND BUILD-OUT ANALYSIS WORKSHEETS

Rialto Olive Grove



Legend

X / Y = AM / PM PEAK HOUR TURNING VOLUMES

NOT TO SCALE

Kimley»Horn

Glenwood Avenue - Trip Redistribution

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	138	607	599	3	3	33
Future Volume (vph)	138	607	599	3	3	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5		4.5	
Lane Util. Factor	1.00	0.95	0.95		1.00	
Frt	1.00	1.00	1.00		0.88	
Flt Protected	0.95	1.00	1.00		1.00	
Satd. Flow (prot)	1770	3539	3537		1624	
Flt Permitted	0.95	1.00	1.00		1.00	
Satd. Flow (perm)	1770	3539	3537		1624	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	150	660	651	3	3	36
RTOR Reduction (vph)	0	0	0	0	24	0
Lane Group Flow (vph)	150	660	654	0	15	0
Turn Type	Prot	NA	NA		Prot	
Protected Phases	7	4	8		6	
Permitted Phases						
Actuated Green, G (s)	12.5	40.8	29.6		29.0	
Effective Green, g (s)	12.5	40.8	29.6		29.0	
Actuated g/C Ratio	0.15	0.48	0.35		0.34	
Clearance Time (s)	4.5	4.5	4.5		4.5	
Vehicle Extension (s)	3.0	3.0	3.0		3.0	
Lane Grp Cap (vph)	261	1706	1237		556	
v/s Ratio Prot	c0.08	0.19	c0.18		c0.01	
v/s Ratio Perm						
v/c Ratio	0.57	0.39	0.53		0.03	
Uniform Delay, d1	33.6	13.9	21.9		18.4	
Progression Factor	1.00	1.00	0.40		1.00	
Incremental Delay, d2	3.0	0.1	0.4		0.0	
Delay (s)	36.6	14.1	9.1		18.5	
Level of Service	D	B	A		B	
Approach Delay (s)		18.3	9.1		18.5	
Approach LOS		B	A		B	

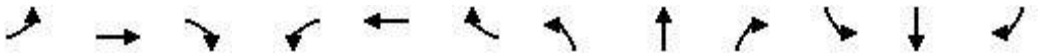
Intersection Summary			
HCM 2000 Control Delay	14.3	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.33		
Actuated Cycle Length (s)	84.6	Sum of lost time (s)	13.5
Intersection Capacity Utilization	39.7%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	414	34	14	475	77	16
Future Volume (vph)	414	34	14	475	77	16
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5		4.5	4.5	4.5	
Lane Util. Factor	0.95		1.00	0.95	1.00	
Frt	0.99		1.00	1.00	0.98	
Flt Protected	1.00		0.95	1.00	0.96	
Satd. Flow (prot)	3499		1770	3539	1748	
Flt Permitted	1.00		0.95	1.00	0.96	
Satd. Flow (perm)	3499		1770	3539	1748	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	450	37	15	516	84	17
RTOR Reduction (vph)	6	0	0	0	5	0
Lane Group Flow (vph)	481	0	15	516	96	0
Turn Type	NA		Prot	NA	Prot	
Protected Phases	4		3	8	2	
Permitted Phases						
Actuated Green, G (s)	40.8		1.3	29.6	29.0	
Effective Green, g (s)	40.8		1.3	29.6	29.0	
Actuated g/C Ratio	0.48		0.02	0.35	0.34	
Clearance Time (s)	4.5		4.5	4.5	4.5	
Vehicle Extension (s)	3.0		3.0	3.0	3.0	
Lane Grp Cap (vph)	1687		27	1238	599	
v/s Ratio Prot	c0.14		c0.01	c0.15	c0.05	
v/s Ratio Perm						
v/c Ratio	0.28		0.56	0.42	0.16	
Uniform Delay, d1	13.1		41.4	20.9	19.3	
Progression Factor	0.16		1.00	1.00	1.00	
Incremental Delay, d2	0.1		22.5	0.2	0.6	
Delay (s)	2.3		63.8	21.2	19.9	
Level of Service	A		E	C	B	
Approach Delay (s)	2.3			22.4	19.9	
Approach LOS	A			C	B	

Intersection Summary			
HCM 2000 Control Delay	13.4	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.28		
Actuated Cycle Length (s)	84.6	Sum of lost time (s)	13.5
Intersection Capacity Utilization	25.9%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	3	0	3	2	110	4	786	5	132	846	101
Future Volume (veh/h)	0	3	0	3	2	110	4	786	5	132	846	101
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	3	0	3	2	116	4	827	5	139	891	106
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	0	216	0	7	6	350	10	1306	8	184	1466	174
Arrive On Green	0.00	0.12	0.00	0.00	0.22	0.22	0.01	0.36	0.36	0.10	0.46	0.46
Sat Flow, veh/h	0	1870	0	1781	27	1562	1781	3621	22	1781	3198	380
Grp Volume(v), veh/h	0	3	0	3	0	118	4	406	426	139	495	502
Grp Sat Flow(s),veh/h/ln	0	1870	0	1781	0	1589	1781	1777	1866	1781	1777	1802
Q Serve(g_s), s	0.0	0.1	0.0	0.1	0.0	2.7	0.1	8.2	8.2	3.3	9.0	9.0
Cycle Q Clear(g_c), s	0.0	0.1	0.0	0.1	0.0	2.7	0.1	8.2	8.2	3.3	9.0	9.0
Prop In Lane	0.00		0.00	1.00		0.98	1.00		0.01	1.00		0.21
Lane Grp Cap(c), veh/h	0	216	0	7	0	356	10	641	673	184	815	826
V/C Ratio(X)	0.00	0.01	0.00	0.41	0.00	0.33	0.41	0.63	0.63	0.76	0.61	0.61
Avail Cap(c_a), veh/h	0	887	0	227	0	1121	227	1295	1360	597	1664	1688
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	16.9	0.0	21.5	0.0	14.1	21.4	11.5	11.5	18.9	8.8	8.8
Incr Delay (d2), s/veh	0.0	0.0	0.0	33.2	0.0	0.5	25.9	1.0	1.0	6.2	0.7	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	0.1	0.0	0.9	0.1	2.7	2.8	1.5	2.7	2.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	17.0	0.0	54.6	0.0	14.6	47.3	12.5	12.4	25.0	9.5	9.5
LnGrp LOS	A	B	A	D	A	B	D	B	B	C	A	A
Approach Vol, veh/h		3			121			836			1136	
Approach Delay, s/veh		17.0			15.6			12.6			11.4	
Approach LOS		B			B			B			B	

Timer - Assigned Phs		2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s		14.2	9.0	20.1	4.7	9.5	4.7	24.3				
Change Period (Y+Rc), s		4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s		30.5	14.5	31.5	5.5	20.5	5.5	40.5				
Max Q Clear Time (g_c+I1), s		4.7	5.3	10.2	2.1	2.1	2.1	11.0				
Green Ext Time (p_c), s		0.7	0.2	5.4	0.0	0.0	0.0	7.6				

Intersection Summary												
HCM 6th Ctrl Delay			12.2									
HCM 6th LOS			B									

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	38	673	646	94	92	15
Future Volume (veh/h)	38	673	646	94	92	15
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	41	732	702	102	100	16
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	84	2083	1263	183	221	35
Arrive On Green	0.05	0.59	0.41	0.41	0.15	0.15
Sat Flow, veh/h	1781	3647	3207	452	1498	240
Grp Volume(v), veh/h	41	732	400	404	117	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1789	1752	0
Q Serve(g_s), s	0.8	3.6	5.8	5.9	2.1	0.0
Cycle Q Clear(g_c), s	0.8	3.6	5.8	5.9	2.1	0.0
Prop In Lane	1.00			0.25	0.85	0.14
Lane Grp Cap(c), veh/h	84	2083	721	726	259	0
V/C Ratio(X)	0.49	0.35	0.56	0.56	0.45	0.00
Avail Cap(c_a), veh/h	553	5831	2128	2142	1321	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	15.7	3.6	7.7	7.7	13.2	0.0
Incr Delay (d2), s/veh	4.3	0.1	0.7	0.7	1.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.5	1.5	1.5	0.7	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	20.0	3.8	8.4	8.4	14.4	0.0
LnGrp LOS	C	A	A	A	B	A
Approach Vol, veh/h		773	804		117	
Approach Delay, s/veh		4.6	8.4		14.4	
Approach LOS		A	A		B	

Timer - Assigned Phs			4		6	7	8
Phs Duration (G+Y+Rc), s			24.3		9.5	6.1	18.2
Change Period (Y+Rc), s			4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s			55.5		25.5	10.5	40.5
Max Q Clear Time (g_c+I1), s			5.6		4.1	2.8	7.9
Green Ext Time (p_c), s			6.1		0.3	0.0	5.9

Intersection Summary	
HCM 6th Ctrl Delay	7.1
HCM 6th LOS	A

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	54	782	774	1	11	115
Future Volume (vph)	54	782	774	1	11	115
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5		4.5	
Lane Util. Factor	1.00	0.95	0.95		1.00	
Frt	1.00	1.00	1.00		0.88	
Flt Protected	0.95	1.00	1.00		1.00	
Satd. Flow (prot)	1770	3539	3539		1626	
Flt Permitted	0.95	1.00	1.00		1.00	
Satd. Flow (perm)	1770	3539	3539		1626	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	59	850	841	1	12	125
RTOR Reduction (vph)	0	0	0	0	82	0
Lane Group Flow (vph)	59	850	842	0	55	0
Turn Type	Prot	NA	NA		Prot	
Protected Phases	7	4	8		6	
Permitted Phases						
Actuated Green, G (s)	6.9	38.8	36.3		29.7	
Effective Green, g (s)	6.9	38.8	36.3		29.7	
Actuated g/C Ratio	0.08	0.45	0.42		0.34	
Clearance Time (s)	4.5	4.5	4.5		4.5	
Vehicle Extension (s)	3.0	3.0	3.0		3.0	
Lane Grp Cap (vph)	141	1589	1486		558	
v/s Ratio Prot	c0.03	c0.24	0.24		c0.03	
v/s Ratio Perm						
v/c Ratio	0.42	0.53	0.57		0.10	
Uniform Delay, d1	37.8	17.3	19.1		19.3	
Progression Factor	1.00	1.00	0.40		1.00	
Incremental Delay, d2	2.0	0.3	0.5		0.1	
Delay (s)	39.8	17.6	8.2		19.3	
Level of Service	D	B	A		B	
Approach Delay (s)		19.0	8.2		19.3	
Approach LOS		B	A		B	

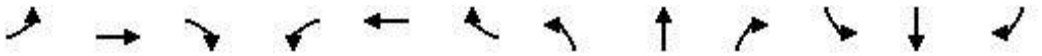
Intersection Summary			
HCM 2000 Control Delay	14.2	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.36		
Actuated Cycle Length (s)	86.4	Sum of lost time (s)	13.5
Intersection Capacity Utilization	44.6%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	664	36	31	567	45	17
Future Volume (vph)	664	36	31	567	45	17
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5		4.5	4.5	4.5	
Lane Util. Factor	0.95		1.00	0.95	1.00	
Frt	0.99		1.00	1.00	0.96	
Flt Protected	1.00		0.95	1.00	0.96	
Satd. Flow (prot)	3512		1770	3539	1732	
Flt Permitted	1.00		0.95	1.00	0.96	
Satd. Flow (perm)	3512		1770	3539	1732	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	722	39	34	616	49	18
RTOR Reduction (vph)	4	0	0	0	9	0
Lane Group Flow (vph)	757	0	34	616	58	0
Turn Type	NA		Prot	NA	Prot	
Protected Phases	4		3	8	2	
Permitted Phases						
Actuated Green, G (s)	38.8		4.4	36.3	29.7	
Effective Green, g (s)	38.8		4.4	36.3	29.7	
Actuated g/C Ratio	0.45		0.05	0.42	0.34	
Clearance Time (s)	4.5		4.5	4.5	4.5	
Vehicle Extension (s)	3.0		3.0	3.0	3.0	
Lane Grp Cap (vph)	1577		90	1486	595	
v/s Ratio Prot	c0.22		c0.02	0.17	c0.03	
v/s Ratio Perm						
v/c Ratio	0.48		0.38	0.41	0.10	
Uniform Delay, d1	16.7		39.7	17.6	19.2	
Progression Factor	0.15		1.00	1.00	1.00	
Incremental Delay, d2	0.2		2.6	0.2	0.3	
Delay (s)	2.8		42.3	17.8	19.6	
Level of Service	A		D	B	B	
Approach Delay (s)	2.8			19.1	19.6	
Approach LOS	A			B	B	

Intersection Summary			
HCM 2000 Control Delay	10.7	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.32		
Actuated Cycle Length (s)	86.4	Sum of lost time (s)	13.5
Intersection Capacity Utilization	37.4%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	2	0	5	6	1	147	4	996	6	150	870	2
Future Volume (veh/h)	2	0	5	6	1	147	4	996	6	150	870	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	2	0	5	6	1	155	4	1048	6	158	916	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	113	24	112	14	2	314	10	1498	9	207	1907	4
Arrive On Green	0.10	0.00	0.10	0.01	0.20	0.20	0.01	0.41	0.41	0.12	0.52	0.52
Sat Flow, veh/h	203	243	1117	1781	10	1576	1781	3623	21	1781	3638	8
Grp Volume(v), veh/h	7	0	0	6	0	156	4	514	540	158	447	471
Grp Sat Flow(s),veh/h/ln	1564	0	0	1781	0	1587	1781	1777	1867	1781	1777	1869
Q Serve(g_s), s	0.0	0.0	0.0	0.2	0.0	4.3	0.1	11.9	11.9	4.3	8.0	8.0
Cycle Q Clear(g_c), s	0.2	0.0	0.0	0.2	0.0	4.3	0.1	11.9	11.9	4.3	8.0	8.0
Prop In Lane	0.29		0.71	1.00		0.99	1.00		0.01	1.00		0.00
Lane Grp Cap(c), veh/h	250	0	0	14	0	316	10	735	772	207	932	980
V/C Ratio(X)	0.03	0.00	0.00	0.42	0.00	0.49	0.42	0.70	0.70	0.76	0.48	0.48
Avail Cap(c_a), veh/h	706	0	0	197	0	973	197	1125	1182	519	1446	1521
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.2	0.0	0.0	24.6	0.0	17.7	24.7	12.0	12.0	21.3	7.5	7.5
Incr Delay (d2), s/veh	0.0	0.0	0.0	18.5	0.0	1.2	26.1	1.2	1.2	5.7	0.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.0	0.1	0.0	1.5	0.1	4.0	4.2	1.9	2.3	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.3	0.0	0.0	43.1	0.0	18.9	50.8	13.3	13.2	27.0	7.9	7.9
LnGrp LOS	C	A	A	D	A	B	D	B	B	C	A	A
Approach Vol, veh/h		7			162			1058			1076	
Approach Delay, s/veh		20.3			19.8			13.4			10.7	
Approach LOS		C			B			B			B	

Timer - Assigned Phs	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.4	10.3	25.1	4.9	9.5	4.8	30.6
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	30.5	14.5	31.5	5.5	20.5	5.5	40.5
Max Q Clear Time (g_c+I1), s	6.3	6.3	13.9	2.2	2.2	2.1	10.0
Green Ext Time (p_c), s	0.9	0.2	6.7	0.0	0.0	0.0	6.8

Intersection Summary	
HCM 6th Ctrl Delay	12.6
HCM 6th LOS	B

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	31	734	809	125	129	50
Future Volume (veh/h)	31	734	809	125	129	50
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	34	798	879	136	140	54
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	70	2166	1417	219	208	80
Arrive On Green	0.04	0.61	0.46	0.46	0.17	0.17
Sat Flow, veh/h	1781	3647	3178	477	1237	477
Grp Volume(v), veh/h	34	798	506	509	195	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1784	1723	0
Q Serve(g_s), s	0.8	4.6	8.7	8.7	4.3	0.0
Cycle Q Clear(g_c), s	0.8	4.6	8.7	8.7	4.3	0.0
Prop In Lane	1.00			0.27	0.72	0.28
Lane Grp Cap(c), veh/h	70	2166	816	820	290	0
V/C Ratio(X)	0.49	0.37	0.62	0.62	0.67	0.00
Avail Cap(c_a), veh/h	462	4867	1776	1783	1084	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	19.1	4.0	8.3	8.3	15.8	0.0
Incr Delay (d2), s/veh	5.2	0.1	0.8	0.8	2.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.8	2.5	2.5	1.6	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	24.2	4.1	9.1	9.1	18.5	0.0
LnGrp LOS	C	A	A	A	B	A
Approach Vol, veh/h		832	1015		195	
Approach Delay, s/veh		4.9	9.1		18.5	
Approach LOS		A	A		B	

Timer - Assigned Phs			4		6	7	8
Phs Duration (G+Y+Rc), s			29.2		11.3	6.1	23.1
Change Period (Y+Rc), s			4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s			55.5		25.5	10.5	40.5
Max Q Clear Time (g_c+I1), s			6.6		6.3	2.8	10.7
Green Ext Time (p_c), s			6.8		0.5	0.0	7.9

Intersection Summary	
HCM 6th Ctrl Delay	8.3
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

APPENDIX **H**

QUEUEING ANALYSIS

Intersection: 1: Baseline Rd & Dwy 1

Movement	SB
Directions Served	R
Maximum Queue (ft)	31
Average Queue (ft)	10
95th Queue (ft)	34
Link Distance (ft)	216
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 2: Baseline Rd & Dwy 2/ Idyllwild Rd

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	131	138	162	66	88	44
Average Queue (ft)	86	91	94	47	46	19
95th Queue (ft)	138	147	178	74	95	50
Link Distance (ft)		526	526	133	133	179
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150					
Storage Blk Time (%)	0	0				
Queuing Penalty (veh)	0	0				

Intersection: 2: Baseline Rd & Dwy 2/ Idyllwild Rd

Movement	EB	EB	WB	WB	WB	NB
Directions Served	T	TR	L	T	T	LR
Maximum Queue (ft)	27	21	20	82	81	89
Average Queue (ft)	9	6	5	47	51	49
95th Queue (ft)	30	27	23	99	104	93
Link Distance (ft)	133	133		295	295	171
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			100			
Storage Blk Time (%)				1		
Queuing Penalty (veh)				0		

Intersection: 3: Baseline Rd & Dwy 3

Movement	SB
Directions Served	R
Maximum Queue (ft)	19
Average Queue (ft)	4
95th Queue (ft)	20
Link Distance (ft)	229
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 8: Ayala Dr & Fitzgerald Ave

Movement	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	L	TR	L	T	TR	L	T	TR
Maximum Queue (ft)	6	9	52	9	266	280	91	100	120
Average Queue (ft)	1	3	33	2	139	153	53	34	89
95th Queue (ft)	9	16	62	12	298	316	98	99	130
Link Distance (ft)	209		261		1718	1718			868
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)		100		110			125	125	
Storage Blk Time (%)					6		1	0	1
Queuing Penalty (veh)					0		4	1	3

Intersection: 10: Baseline Rd & Fitzgerald Ave

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	43	68	77	119	111	60
Average Queue (ft)	24	47	48	78	56	42
95th Queue (ft)	53	90	94	150	133	64
Link Distance (ft)		924	924	299	299	1166
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						
Storage Blk Time (%)	5	4				
Queuing Penalty (veh)	15	1				

Intersection: 1: Baseline Rd & Dwy 1

Movement	SB
Directions Served	R
Maximum Queue (ft)	31
Average Queue (ft)	16
95th Queue (ft)	42
Link Distance (ft)	216
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 2: Baseline Rd & Dwy 2/ Idyllwild Rd

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	102	145	141	78	86	72
Average Queue (ft)	50	92	101	58	48	36
95th Queue (ft)	102	150	150	86	94	75
Link Distance (ft)		526	526	133	133	179
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150					
Storage Blk Time (%)	0	0				
Queuing Penalty (veh)	0	0				

Intersection: 2: Baseline Rd & Dwy 2/ Idyllwild Rd

Movement	EB	EB	WB	WB	WB	NB
Directions Served	T	TR	L	T	T	LR
Maximum Queue (ft)	53	34	31	31	74	88
Average Queue (ft)	24	14	11	20	46	39
95th Queue (ft)	62	52	34	43	84	91
Link Distance (ft)	133	133		295	295	171
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			100			
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 3: Baseline Rd & Dwy 3

Movement	SB
Directions Served	R
Maximum Queue (ft)	30
Average Queue (ft)	10
95th Queue (ft)	34
Link Distance (ft)	229
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 8: Ayala Dr & Fitzgerald Ave

Movement	EB	WB	WB	NB	NB	SB	SB	SB
Directions Served	LTR	L	TR	T	TR	L	T	TR
Maximum Queue (ft)	13	9	60	299	328	111	144	137
Average Queue (ft)	3	2	39	183	204	59	73	82
95th Queue (ft)	13	13	67	324	365	124	164	145
Link Distance (ft)	209		261	1718	1718			868
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)		100				125	125	
Storage Blk Time (%)				12		1	0	1
Queuing Penalty (veh)				0		4	1	7

Intersection: 10: Baseline Rd & Fitzgerald Ave

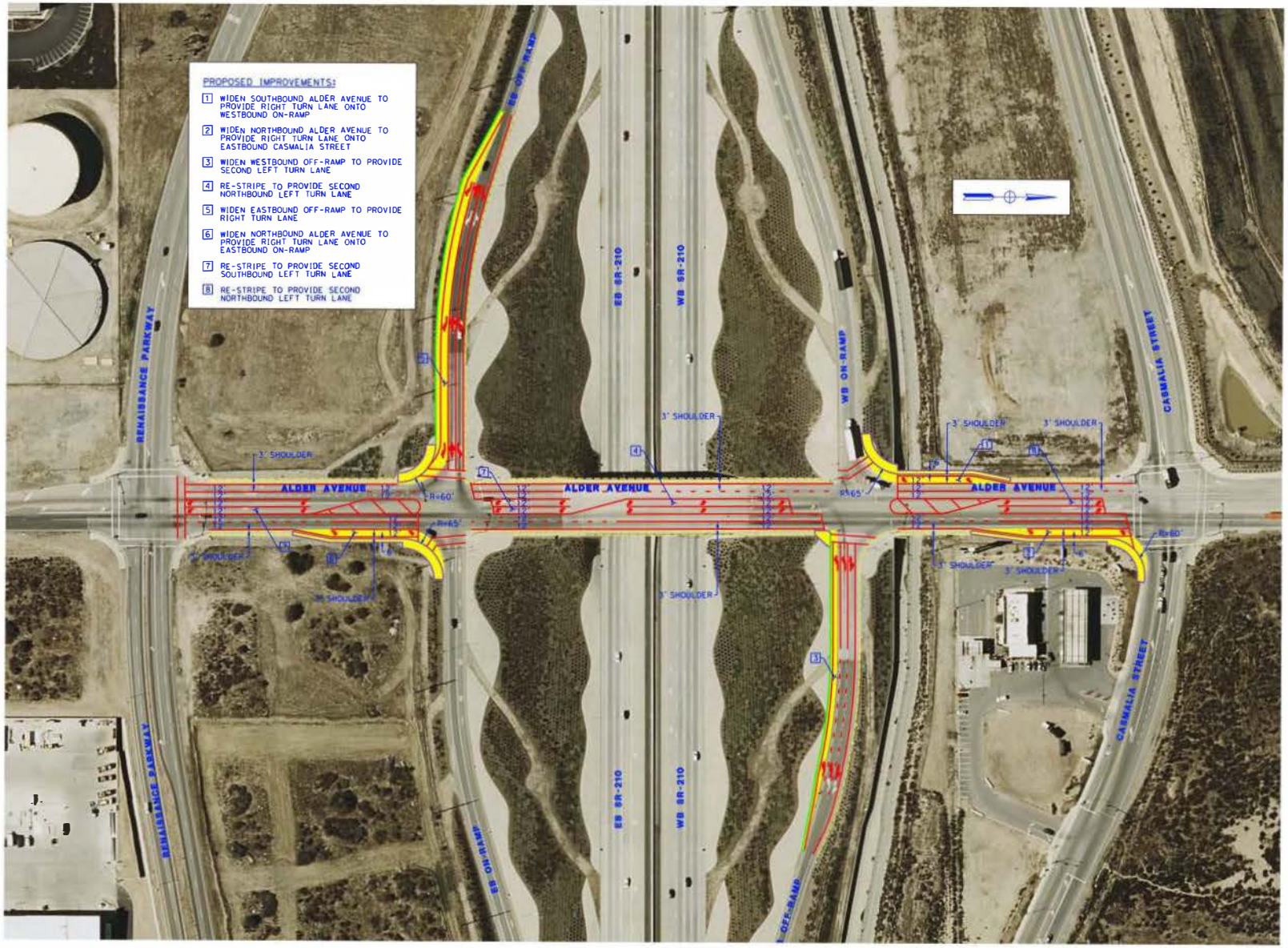
Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	49	103	115	154	154	126
Average Queue (ft)	34	56	72	92	96	68
95th Queue (ft)	56	121	130	166	181	128
Link Distance (ft)		924	924	299	299	1166
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						
Storage Blk Time (%)	7	5				
Queuing Penalty (veh)	24	2				

APPENDIX **I**

ALDER AVENUE & SR-210

INTERCHANGE IMPROVEMENTS

NOT TO SCALE



ALDER AVENUE SR-210 INTERCHANGE IMPROVEMENTS

Kimley»Horn

APPENDIX L

FIRE FLOW TEST RESULTS

ADVANCO Fire Protection
DESIGN - INSTALLATION - SERVICE
C16-631600

FIRE HYDRANT FLOW DATA

Project Address **Baseline Road & Fitzgerald Ave.**

Date of Water Flow Test: **October 8, 2019**

Location of Water Flow Test: **Baseline Road**

Static Pressure: **99 P.S.I.**

Residual Pressure: **94 P.S.I.**

G. P. M. Flow Observed: **1,126 G.P.M.**

G. P. M. Flow Calculated @ 20 P.S.I.: **4,996 G.P.M.**

Outlet	Static	Res.	Pitot	G.P.M.
2.5"	**99 P.S.I.**	**94 P.S.I.**	**45 P.S.I.**	**1,126 G.P.M.**

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT TO THE BEST OF MY KNOWLEDGE.

By: **Geovanni Franco /**

Title: **Engineer Asst.**

Witnessed By: **Daniel /**

Date: **Tuesday, October 08, 2019**

Comments:

615 S. Oaks Ave. Ontario, CA 91762 (909) 460-2510 (909) 460-2511 fax (909) 460-2513

WATER FLOW TEST REPORT

Test Date:	10/8/2019	Time:	11:30	☑ AM ☐ PM

ADVANCO Fire Protection
DESIGN - INSTALLATION - SERVICE
C16-631600

Test Coducted By:	Geovanni Franco	Company:	Advanco Fire Protection, Inc.
Address:	615 S. Oaks Avenue Ontario, CA 91762	Phone:	(909) 460-2510
Address/Location of Project:	Baseline Road & Fitzgerald Ave		
Test Witnessed By:	Daniel	Agency:	Rialto Water Dept.
Phone:	909-546-3301		

No. & Size of Outlets:	1	☑ 2 1/2"		☐ 4"	☐ Other:	

Location of Gage Hydrant:	Baseline Road	Distance to Project:	100 (ft)
Location of Flow Hydrant:	Baseline Road	Distance to Project:	100 (ft):

DATA

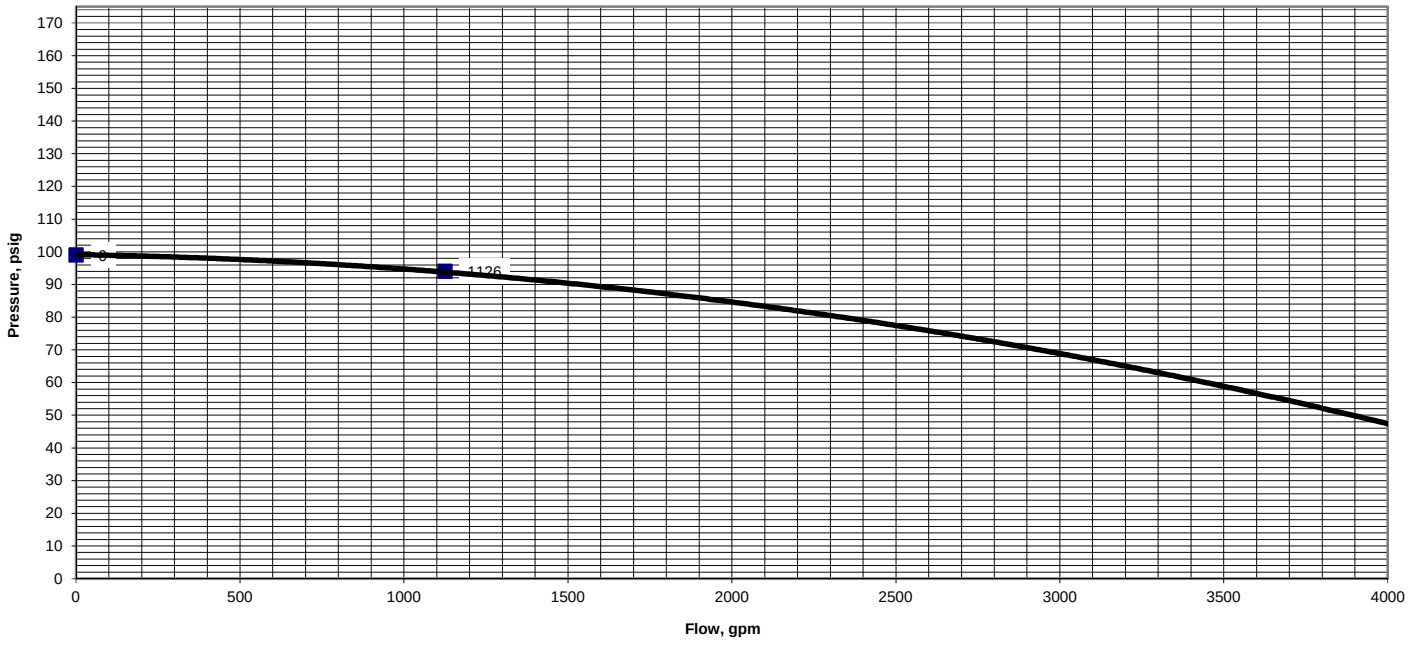
FLOW HYDRANT(S)

	H1	H2	H3
SIZE OPENING:	2.5		0
COEFFICIENT:	0.9	0.9	0.9
PITOT READING:	45		
GPM:	1126	0	0

TOTAL FLOW DURING TEST: 1126 GPM

STATIC: 99 PSI RESIDUAL: 94 PSI

RESULTS: AT 20 PSI RESIDUAL: 4996 GPM AT 0 PSI 5644 GPM



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NFPA INTERNATIONAL