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1.0 Introduction

Based on the City of San Diego's new SB 743-compliant CEQA Significance Thresholds for Transportation implemented via the City of San Diego Transportation Study Manual (September 2020), the Proposed Project is considered to be a small project, and may be presumed to have a less than significant transportation VMT impact. The Proposed Project proposes an addendum to the previously approved *St. John Garabed Church Final Environmental Impact Report* (St. John Church FEIR), October 2014, which did not analyze this project's traffic at its access point. Therefore, the purpose of this access analysis is to evaluate the effect in which the proposed El Camino Real Assisted Living Facility Project (Proposed Project) (PTS #675732) will have on the surrounding local transportation network, as well as determine if additional improvements to the transportation network will be needed. Discussion regarding consistency with the operational analysis results of the St. John Church TIS is also provided in this analysis.

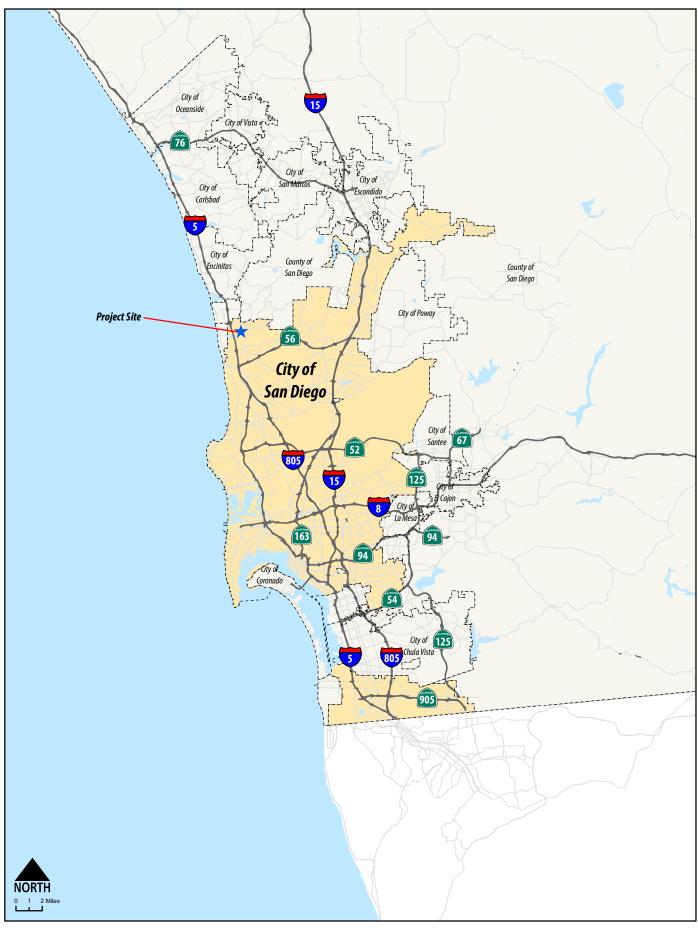
1.1 Project Description

The El Camino Real Assisted Living Facility Project (Proposed Project) is located on 13860 El Camino Real, south of the proposed St. John Garabed Armenian Church (St. John Church) project and east of Interstate 5, within Subarea II of the North City Future Urbanizing Area (NCFUA) of the City of San Diego. The Proposed Project intends to develop a 105,568 SF, three story 105-unit nursing home facility for assisted living consisting of 18 memory care accommodations (20 beds) and 87 assisted living accommodations (105 beds). Figure 1.1 displays the Proposed Project's regional location.

The Proposed Project is consistent with the underlying AR-1-1 (Agricultural Residential) zoning and is requesting the following discretionary approvals:

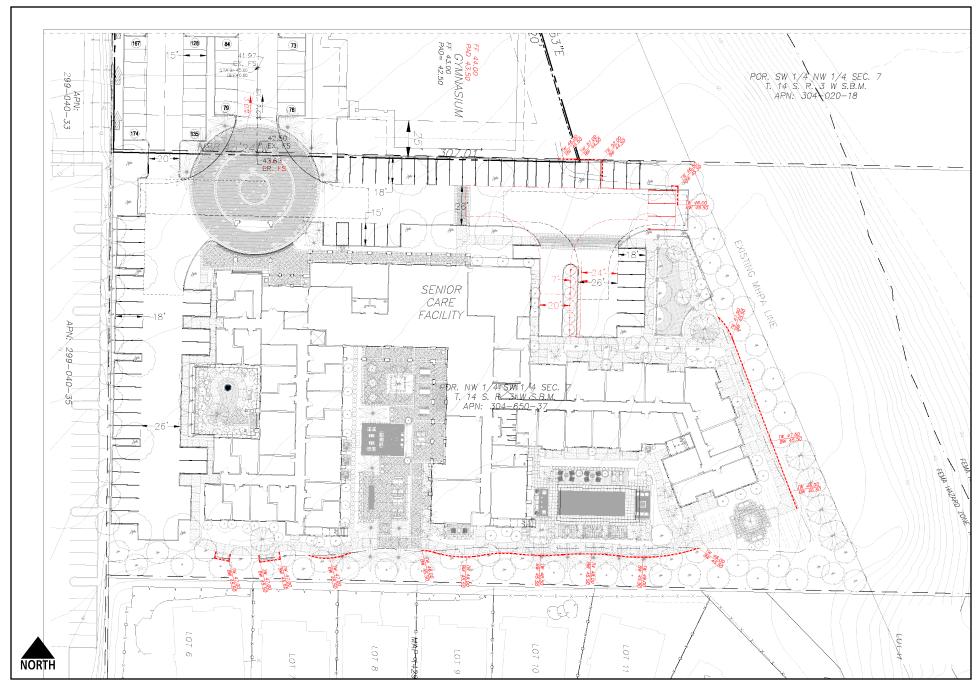
- Uncodified Ordinance
- Conditional Use Permit (CUP) Amendment
- Site Development Permit (SDP) Amendment
- Neighborhood Use Permit (NUP)

Access to the project site will be provided via the driveway currently under construction by the adjacent St. John Church. This driveway as described in the *St. John Garabed Armenian Church Traffic Impact Study* (St. John Church TIS), July 2013, will allow for right-in/right-out access off El Camino Real and operate as a side-street stop-controlled intersection, with El Camino Real as uncontrolled and the driveway as stop-controlled. **Figure 1.2** displays the Proposed Project site plan.



El Camino Real Assisted Living Facility
Local Mobility Analysis
C+R

Figure 1.1 Project Regional Location



El Camino Real Assisted Living Facility
Local Mobility Analysis

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Figure 1.2 Proposed Project Site Plan

1.2 Report Organization

Following this introductory chapter, the report is organized into the following chapters:

- 2.0 Analysis Methodology and Thresholds This chapter reviews the methods utilized to evaluate the Proposed Project's effect on the local transportation network, in accordance with the standards and requirements used for the St. John Church TIS.
- 3.0 *Proposed Project* This chapter describes the Proposed Project's land uses and associated trip generation. Additional information such as trip distribution patterns and project trip assignment are also included in this chapter, which are used to determine the project study area.
- 4.0 *Project Setting* This chapter provides a qualitative description of the transportation facilities and services located within the Proposed Project study area including roadway facilities, active transportation facilities, and transit services.
- 5.0 Existing Conditions This chapter describes and evaluates the existing transportation network. The operations of the vehicular, pedestrian, bicycle, and transit facilities within the study area are evaluated and substandard facilities are identified. LOS analysis results are also provided for existing vehicular traffic conditions.
- 6.0 Near-Term Year 2024 Conditions This chapter describes and evaluates the effect in which near-term developments, that are anticipated to contribute traffic within the project study area, will have on the surrounding transportation network. LOS analysis results are also provided for Near-Term Year 2024 Base and Near-Term Year 2024 Base with Project vehicular traffic conditions. The necessary features required to improve any identified substandard facilities to standard levels are also provided.
- 7.0 *Horizon Year Conditions* This chapter describes projected long-range future conditions of the transportation network within the study area.
- 8.0 Determination of Consistency with Previous FEIR This section determines if the analysis results presented in this access analysis are consistent with the operational analysis results of the St. John Church TIS.

2.0 Analysis Methodology and Thresholds

This study was performed in accordance with the operational analysis presented in the St. John Church TIS. The project information form (PIF) is included in **Appendix A**. Detailed information on analysis methodologies, standards, and thresholds are discussed in the following sections.

2.1 LOS Definition

LOS is a quantitative measure describing operational conditions within a traffic stream, and the motorist's and/or passengers' perception of operations. A LOS definition generally describes these conditions in terms of such factors as delay, speed, travel time, freedom to maneuver, interruptions in traffic flow, queuing, comfort, and convenience. **Table 2.1** describes generalized definitions of the various LOS categories (A through F) as applied to roadway operations.

Table 2.1 LOS Definitions

LOS Category	Definition of Operation
А	This LOS represents a completely free-flow condition, where the operation of vehicles is virtually unaffected by the presence of other vehicles and only constrained by the geometric features of the highway and by driver preferences.
В	This LOS represents a relatively free-flow condition, although the presence of other vehicles becomes noticeable. Average travel speeds are the same as in LOS A, but drivers have slightly less freedom to maneuver.
С	At this LOS, the influence of traffic density on operations becomes marked. The ability to maneuver within the traffic stream is clearly affected by other vehicles.
D	At this LOS, the ability to maneuver is notably restricted due to traffic congestion, and only minor disruptions can be absorbed without extensive queues forming and the service deteriorating.
E	This LOS represents operations at or near capacity. LOS E is an unstable level, with vehicles operating with minimum spacing for maintaining uniform flow. At LOS E, disruptions cannot be dissipated readily thus causing deterioration down to LOS F.
F	At this LOS, forced or breakdown of traffic flow occurs, although operations appear to be at capacity, queues form behind these breakdowns. Operations within queues are highly unstable, with vehicles experiencing brief periods of movement followed by stoppages.

Source: Highway Capacity Manual 6th Edition

2.2 Roadway Segment LOS Standards and Thresholds

Roadway segment LOS standards and thresholds provide the basis for analysis of arterial roadway segment performance. The analysis of roadway segment LOS is based on the functional classification of the roadway, the maximum capacity, roadway geometrics, and existing or forecast ADT volumes. **Table 2.2** presents the roadway segment capacity and LOS standards for the City of San Diego. These standards were utilized to analyze roadways evaluated in this report.

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

	Proposed LOS/ADT Thresholds					
Street Classification	ation A B C D					
Major Arterial (4-lane, divided)	< 15,000	< 21,000	< 30,000	< 35,000	< 40,000	

Source: City of San Diego TSM

Note:

Bold numbers indicate the ADT thresholds for acceptable LOS.

These standards are generally used as long-range planning guidelines to determine the functional classification of roadways. The actual capacity of a roadway facility varies according to its physical

attributes. Typically, the performance and LOS of a roadway segment is heavily influenced by the ability of its intersections to accommodate peak hour traffic volumes. For the purposes of this traffic analysis, LOS D is considered acceptable for circulation element roadway segments within the City of San Diego.

2.3 Peak Hour Intersection LOS Standards and Thresholds

This section presents the methodologies used to perform peak hour intersection capacity analysis at the signalized and unsignalized intersections within the study area. The following assumptions were utilized in conducting all intersection LOS analyses:

- Peak Hour Factor (PHF) Calculated from historic peak hour intersection count data, included in **Appendix B**. A PHF of 0.95 or existing PHF (whichever is greater) was used for Horizon Year conditions and for all new driveways.
- Signal Timing Used traffic signal timing/phasing plans from the City of San Diego (March 2021). Signal timings were optimized under Horizon Year conditions. Existing signal timing/phasing plans are provided in **Appendix C**.
- Conflicting Pedestrians and Pedestrian Calls Used pedestrian count data from the February 2012 peak hour intersection count data for all scenarios.
- Heavy Truck Percentage No truck routes within study area; therefore, 3% trucks on all intersection movements were used for all scenarios.
- Lane Utilization Factor No unusual lane utilization was observed in the field; therefore, HCM 6th Edition defaults were used for all scenarios.

2.3.1 Signalized Intersections

The analysis of signalized intersections utilized the operational analysis procedure as outlined in the Highway Capacity Manual (HCM) 6th Edition signalized (Chapter 19) intersection analysis methodology. This method defines LOS in terms of delay, or more specifically, average stopped delay per vehicle. Delay is a measure of driver and/or passenger discomfort, frustration, fuel consumption and lost travel time. This technique uses 1,900 vehicles per hour per lane (VPHPL) as the maximum saturation volume of an intersection. This saturation volume is adjusted to account for lane width, on-street parking, pedestrians, traffic composition (i.e., percentage trucks) and shared lane movements (i.e., through and right-turn movements originating from the same lane). The LOS criteria used for the analysis of signalized intersections are described in Table 2.3, identifying the thresholds of control delays and the associated LOS. The computerized analysis of intersection operations was performed utilizing the Synchro Version 10 traffic analysis software by Trafficware Ltd.

Table 2.3 Signalized Intersection LOS Operation Analysis Method

	, ,
Average Stopped Delay Per Vehicle (Seconds)	LOS Characteristics
<10	LOS A describes operations with very low delay. This occurs when progression is extremely favorable, and most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.
>10- 20	LOS B describes operations with generally good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.
>20 – 35	LOS C describes operations with higher delays, which may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
>35-55	LOS D describes operations with high vehicle delay, resulting from some combination of unfavorable progression, long cycle lengths, or high vehicle volumes. The influence of congestion becomes more noticeable, and individual cycle failures are noticeable.
>55 – 80	LOS E is considered the limit of acceptable delay. Individual cycle failures are frequent occurrences.
>80	LOS F describes a condition of excessively high vehicle delay, considered unacceptable to most drivers. This condition often occurs when arrival flow rates exceed the LOS D capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes to such delay.

Source: Highway Capacity Manual 6th Edition

2.3.2 Unsignalized Intersections

Unsignalized intersections were analyzed using the HCM 6th Edition side-street stop (Chapter 20) and allway stop (Chapter 21) intersection analysis methodology. The computerized analysis of intersection operations was performed utilizing the Synchro Version 10 traffic analysis software by Trafficware Ltd.

LOS was determined as follows:

• Side-street stop intersections: Reported for the worst-case movement

The LOS criteria used for the analysis of unsignalized intersections are described in **Table 2.4**.

Table 2.4 LOS Criteria for Stop-Controlled Unsignalized Intersections

Average Stopped Delay Per Vehicle (Seconds)	LOS
0 – 10	А
> 10 – 15	В
> 15 – 25	С
> 25 – 35	D
> 35 – 50	E
> 50	F

Source: Highway Capacity Manual 6th Edition

3.0 Proposed Project

This chapter describes the Proposed Project, including the Proposed Project's trip generation, as well as specific information needed for the analysis including the trip distribution patterns and project trip assignment.

3.1 Project Trip Generation, Distribution, and Assignment

Project Trip Generation

Weekday project trip generation estimates were derived utilizing the trip generation rates outlined in Table 1 of the *City of San Diego Land Use Code – Trip Generation Manual, May 2003*. Appendix C of the City's trip generation manual defines a Congregate Care facility as:

"A facility that typically consists of one or more multi-unit buildings designed for elderly living."

Similarly, the City's trip generation manual defines a Convalescent Hospital as:

"Convalescent hospitals are freestanding institutions designed to provide medical care for patients with long- term illnesses. Normally such hospitals do not provide emergency room medical treatment."

As such, it was determined that both Congregate Care facility and Convalescent Hospital are the appropriate trip generation rates for the Proposed Project. **Table 3.1** displays the anticipated trip generation for the proposed project.

Table 3.1 Proposed Project Trip Generation

			AM				PM						
Land Use	Units	Trip Rate	ADT	%	Trips	Split	In	Out	%	Trips	Split	ln	Out
Congregate Care Facility	87 DU	2 / DU	174	3%	6	(6:4)	4	2	8%	14	(5:5)	7	7
Convalescent/Nursing	20 beds	3 / bed	60	7%	4	(6:4)	2	2	7%	4	(4:6)	2	2
		Total	234	-	10	-	6	4	-	18	-	9	9

Note:

DU = Dwelling Unit

As shown, in Table 3.1, the Proposed Project would generate a total of 234 daily weekday trips, with 10 occurring in the AM peak hour (6 inbound, 4 outbound) and 18 occurring in the PM peak hour (9 inbound, 9 outbound).

Per the St. John Church TIS, the St. John Church would generate more trips during the weekend than during a typical weekday. The Proposed Project is also expected to generate trips during the weekend, primarily due to people visiting family and guests residing at the Proposed Project. Therefore, from a trip generation perspective, the worst-case scenario, and consequently the highest number of vehicles utilizing the driveway shared by both projects, would occur when trips for the Proposed Project and the St. John Church are combined. Therefore, an analysis was conducted to evaluate traffic conditions during the weekend peak hour under Near-Term Year 2024 scenario. LOS analysis results during the weekend peak hour are discussed in Section 6.0.

It should be noted that the City's trip generation manual does not provide weekend trip generation rates. However, the *ITE Trip Generation Manual, 10th Edition* provides weekday and weekend trip generation rates for a continuing care retirement community. Weekday trip generation rates were observed to be higher than weekend trip generation rates. In other words, the ITE Trip Generation Manual estimates that a continuing care retirement community generates more trips during a typical weekday than during a weekend day. Since the Proposed Project land uses would operate similar to a continuing care retirement community, it was assumed the Proposed Project would also generate more trips during a weekday than during a weekend day. As such, and for a conservative analysis, the Proposed Project's Sunday peak hour trip generation is assumed to be identical to the weekday PM peak hour trip generation, which is the peak hour that generates the most project trips during a typical weekday, as shown previously in Table 3.1.

Project Trip Distribution

The trip distribution for the Proposed Project was developed based on the geographical location of the project, the characteristics of the proposed land uses, and nearest freeway facilities. **Figure 3.1** displays the Proposed Project trip distribution patterns associated with the Proposed Project land uses.

Project Trip Assignment

Based upon the project trip distribution patterns, daily and AM/PM peak hour project trips were assigned to the adjacent roadway network, as displayed in **Figure 3.2**.

3.2 Project Study Area

To demonstrate consistency with the operational analysis results of the St. John Church TIS, the study area for this analysis is the same as the roadway segments and intersections analyzed in that study:

Roadway Segments

El Camino Real, between San Dieguito Road and Sea Country Lane

Under Existing conditions, the driveway that will provide access to the Proposed Project and the adjacent St. John Church is under construction. This driveway is anticipated to be completed prior to the Proposed Project's opening year, 2024. Therefore, under future scenarios, Near-Term Year 2024 and Horizon Year, the roadway segment of El Camino Real between San Dieguito Road and Sea Country Lane is divided into two (2) segments as follows:

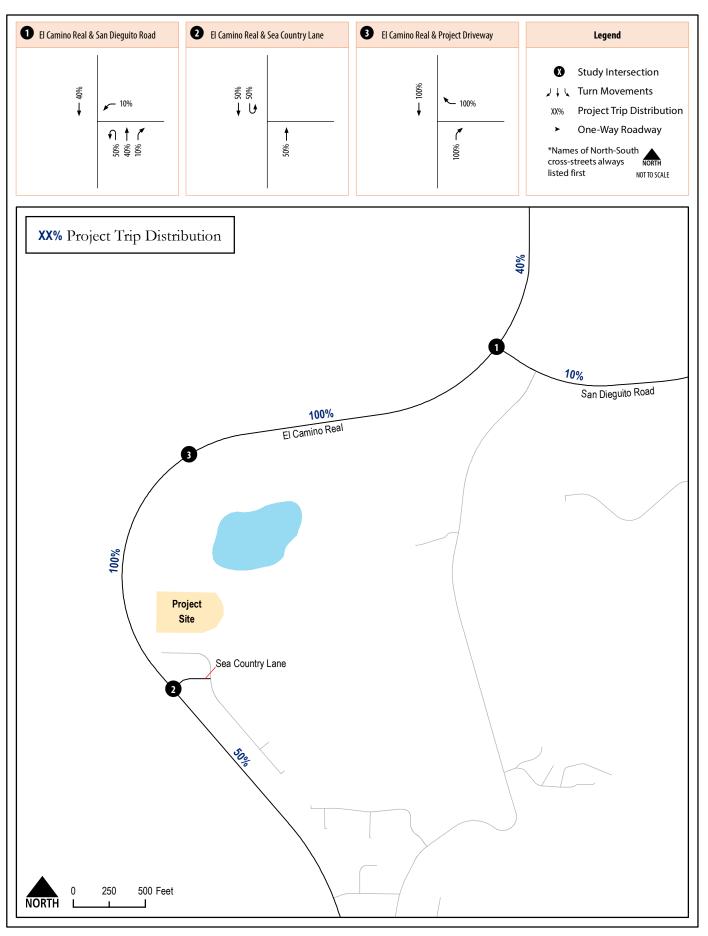
- El Camino Real, between San Dieguito Road and Project Driveway
- El Camino Real, between Project Driveway and Sea Country Lane

Intersections

- 1. El Camino Real & San Dieguito Road (Signal)
- 2. El Camino Real & Sea Country Lane (Signal)
- 3. El Camino Real & Project Driveway (Side-street stop-controlled)¹

Figure 3.4 displays the project study area.

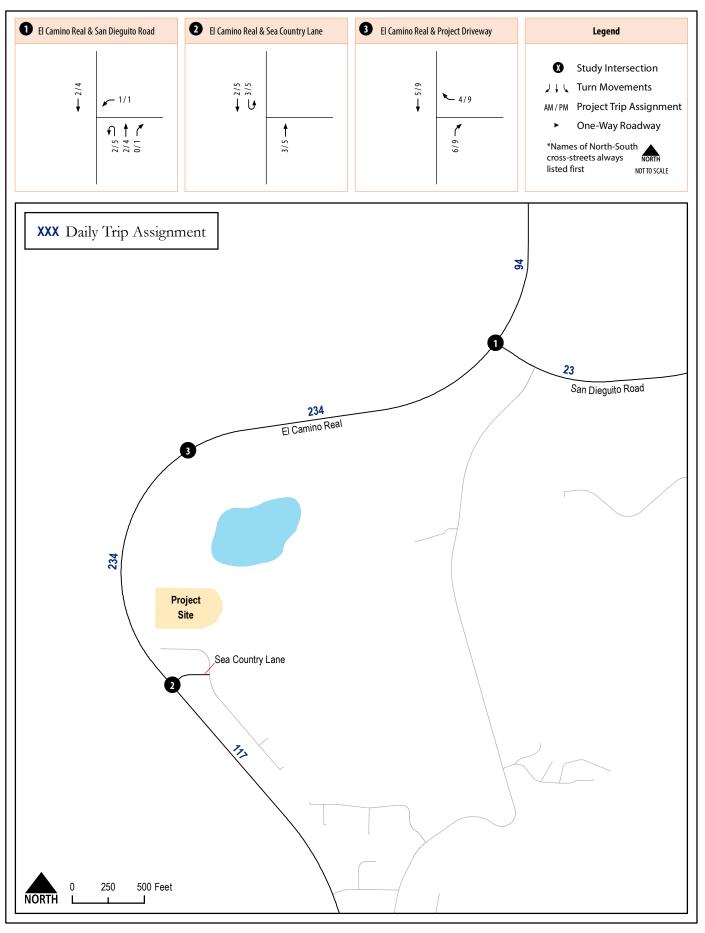
¹ Project driveway is currently under construction and expected to be completed prior to the Proposed Project's opening year, 2024. Therefore, it is only analyzed under Near-Term Year 2024 and Horizon Year scenarios.



El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 3.1 Project Trip Distribution

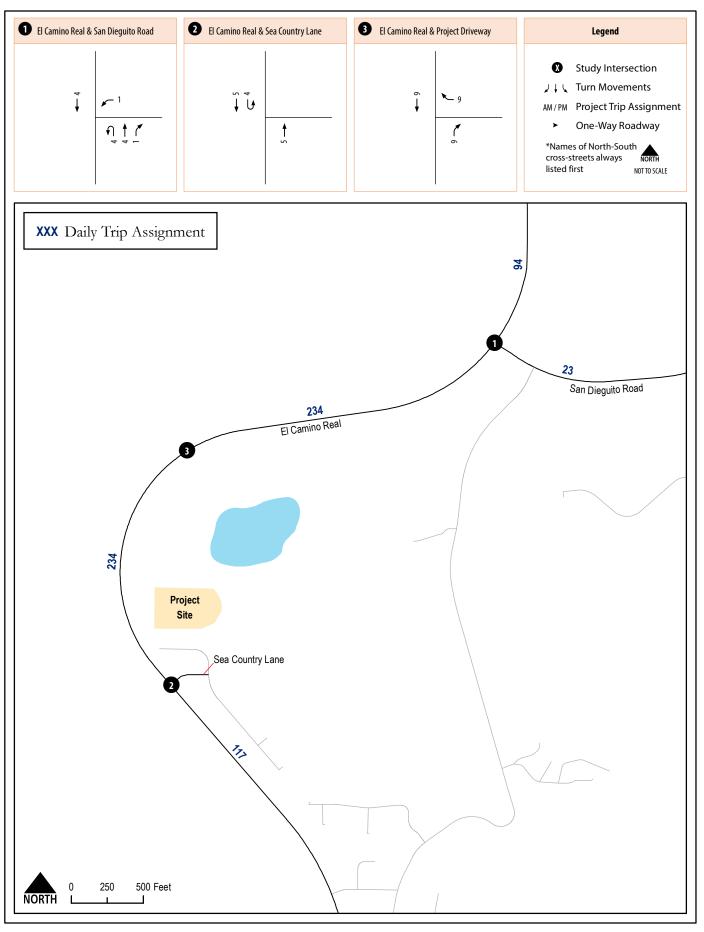




El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 3.2 Project Trip Assignment (Weekday)

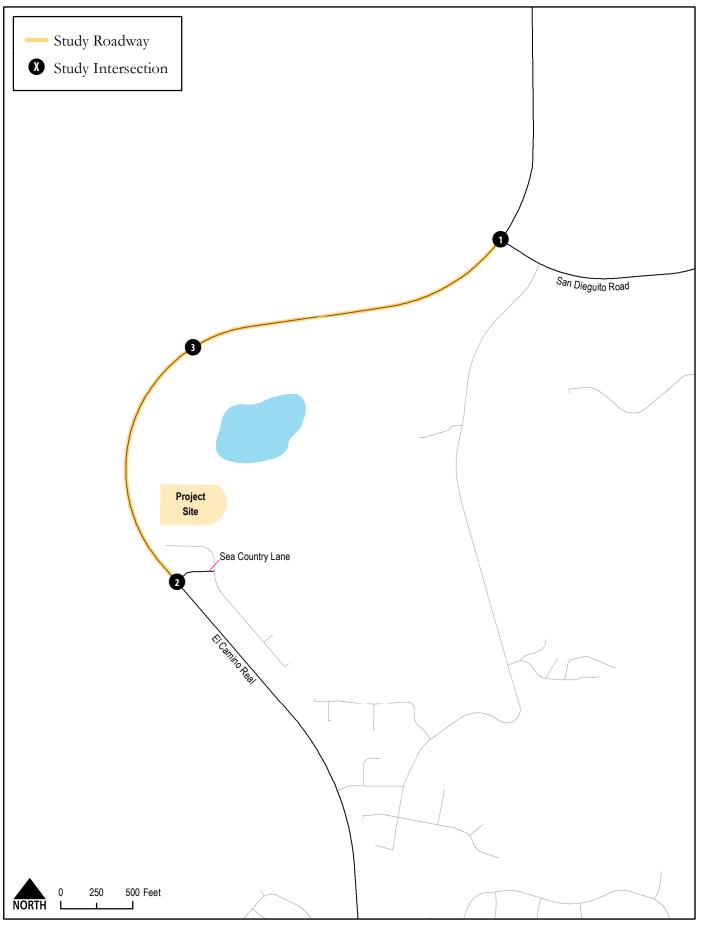




El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 3.3
Project Trip Assignment (Weekend)





El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 3.4 Project Study Area



4.0 Project Setting

This chapter provides a qualitative description of the transportation network facilities within the Proposed Project study area. This includes roadway facilities, active transportation facilities, as well as transit facilities and services.

4.1 Vehicular Facilities

Descriptions of all major transportation network facilities located within ½ mile distance of the project site are provided below.

North-South Roadways

El Camino Real — El Camino Real between San Dieguito Road and Sea Country Lane is a 4-lane roadway with a raised median. Contiguous sidewalks exist along the eastern side of El Camino Real, but there are no existing sidewalks along the western side. Class II Bike Lanes are provided along both directions throughout the segment. Parking is prohibited on both sides of the roadway in this area and the posted speed limit is 50 miles per hour. The North City Future Urbanizing Area (NCFUA) Framework Plan classifies El Camino Real as a 4-lane major arterial between San Dieguito Road and Sea Country Lane. This segment is at its ultimate classification per the NCFUA Framework Plan.

East-West Roadways

San Dieguito Road – San Dieguito Road is a 2-lane undivided roadway between El Camino Real and further east. There are no existing sidewalks on either side of San Dieguito Road. Class II Bike Lanes are provided along both directions throughout the roadway. Parking is prohibited on both sides of the roadway in this area and the posted speed limit is 45 miles per hour. The NCFUA Framework Plan classifies San Dieguito Road as a 2-lane collector from El Camino Real to the east. This segment is at its ultimate classification per the NCFUA Framework Plan.

4.2 Pedestrian Facilities

Pedestrian facilities within a ½ a mile walking distance of the Proposed Project site were observed. **Table 4.1** summarizes the existing physical characteristics of sidewalks along the project study area. Specifically, missing sidewalks, narrow sidewalks, and major obstructions are identified.

Table 4.1 Roadway Pedestrian Facilities and Conditions

			East Si	ide / South Side	West S	ide / North Side
Roadway	From	То	Sidewalk Type	Conditions	Sidewalk Type	Conditions
El Camino Real	San Dieguito Road	Sea Country Lane	Existing	No obstructions and no significant sidewalk deterioration	Missing	There are no existing sidewalks throughout the entire segment
San Dieguito Road	El Camino Real	Caminito Pacifica Trail	Missing	There are no existing sidewalks throughout the entire segment	Missing	There are no existing sidewalks throughout the entire segment

As shown in Table 4.1, three (3) sidewalk segments were identified to have missing sidewalks. It should be noted that due to construction of driveways along the east side of El Camino Real, there are minor obstructions. However, this is temporary in nature and no obstructions are anticipated post-construction. As such, Table 4.1 does not identify obstructions associated with driveway construction along the east side of El Camino Real between San Dieguito Road and Sea Country Lane.

Table 4.2 summarizes the existing physical characteristics of sidewalk ramps along the project frontage and at intersections within ½ mile walking distance from the project site. Specifically, major ramp obstructions and missing detectable surface warning (DSW) tactiles are reported.

Table 4.2 Intersection Missing Curb Ramps

North / South Roadway	East / West Roadway	Conditions
El Camino Real	San Dieguito Road	NW, NE, SW Curb Ramps Missing ¹

Notes:

As shown in Table 4.2, the intersection of El Camino Real and San Dieguito Road was identified to have three (3) missing curb ramps. This is likely due to the No Ped crossing along the south leg as well as the missing sidewalks along the west side of El Camino Real and both sides of San Dieguito Road.

4.3 Bicycle Facilities

Bicycle facilities within a ½ a mile cycling distance of the Proposed Project site were observed. **Table 4.3** summarizes the bicycle facilities fronting the Proposed Project, their respective ultimate classification, and present conditions.

Table 4.3 Bicycle Facilities and Conditions

Roadway	From	То	Facility	Conditions	Ultimate Classification
El Camino Real	San Dieguito Road	Sea Country Lane	NB: Class II SB: Class II	Continuous with no major obstructions or gaps.	Class II or III
San Dieguito Road	El Camino Real	Caminito Pacifica Trail	NB: Class II SB: Class II	Continuous with no major obstructions or gaps.	Class II or III

As shown in Table 4.3, the Proposed Project is surrounded by Class II Bike Lanes to the west along El Camino Real and to the north along San Dieguito Road. These bicycle facilities are continuous with no major obstructions or gaps.

4.4 Transit Facilities

There are no existing or planned transit facilities within a ½ mile of the Proposed Project.

4.5 Project Improvements

The Proposed Project does not include any transportation network improvements. Based on review of the NCFUA Framework Plan and the Proposed Project site plan, the Proposed Project does not interfere with community plan transportation network improvements. Proposed Project improvements are summarized below.

Project Driveways

• El Camino Real & Project Driveway — As mentioned previously, vehicular access to the Proposed Project will be provided by the driveway proposed for construction by the adjacent church project, St. John Church. This newly constructed driveway will be a three-legged intersection operating as a side-street stop-controlled intersection permitting right-in/right-out access only.

Pedestrian Facilities

 $^{^{1}}$ No Ped crossing in east/west direction on south leg at this T-intersection.

No changes to the pedestrian network are proposed.

Bicycle Facilities

No changes to the bicycle network are proposed. Bicycle amenities such as bicycle parking and storage will be provided on site.

Transit Facilities

No changes to the transit network are proposed. However, the project applicant proposes to provide a shuttle to the Solana Beach Station. No other transit stop amenities are proposed.

5.0 Existing Conditions

This section provides an analysis of Existing traffic conditions without the Proposed Project. Traffic conditions under Existing with Project were not analyzed since the Existing with Project scenario is a hypothetical scenario that assumes the Proposed Project would be fully built out immediately, adding its associated buildout traffic volumes to the existing roadway volumes and infrastructure. As a result of this presumption, cumulative traffic volumes, future planned roadway network mitigation measures, and surrounding land use changes are not accounted for, which could result in either understating or overstating the Proposed Project's effect. For these reasons, the Existing with Project scenario is not included in this analysis.

5.1 Existing Roadway Network and Traffic Volumes

Figure 5.1 displays the study area roadway segment classifications and intersection geometrics under Existing conditions.

Traffic Volumes

Since current daily travel patterns do not reflect traffic conditions prior to COVID-19 restrictions, weekday traffic counts conducted in 2012 for the St. John Church TIS, included in Appendix B, were adjusted to better reflect traffic volumes under Existing conditions.

SANDAG Transportation Information Forecast Center (TFIC) traffic forecast volumes for Series 14 base year 2016 were observed to grow 13.84% to forecast year 2025, resulting in an annual growth rate of 1.54% per year over a nine-year period. Existing conditions traffic volumes were derived by applying this 1.54% annual growth rate to the February 2012 traffic counts from the St. John Church TIS, for a total growth of 13.84% over a nine-year period. The resulting daily roadway and AM/PM peak hour turning movement volumes for study area roadway segments and intersections are displayed in **Figure 5.2**. Traffic volume calculations are included in **Appendix D**.

5.2 Existing Traffic Conditions

LOS analyses under Existing conditions were conducted using the methodologies described in Section 2.0. Roadway segment and intersection LOS analysis results are discussed below.

5.2.1 Roadway Segment Analysis

Table 5.1 displays roadway segment LOS and analysis results for study roadway segments under Existing conditions.

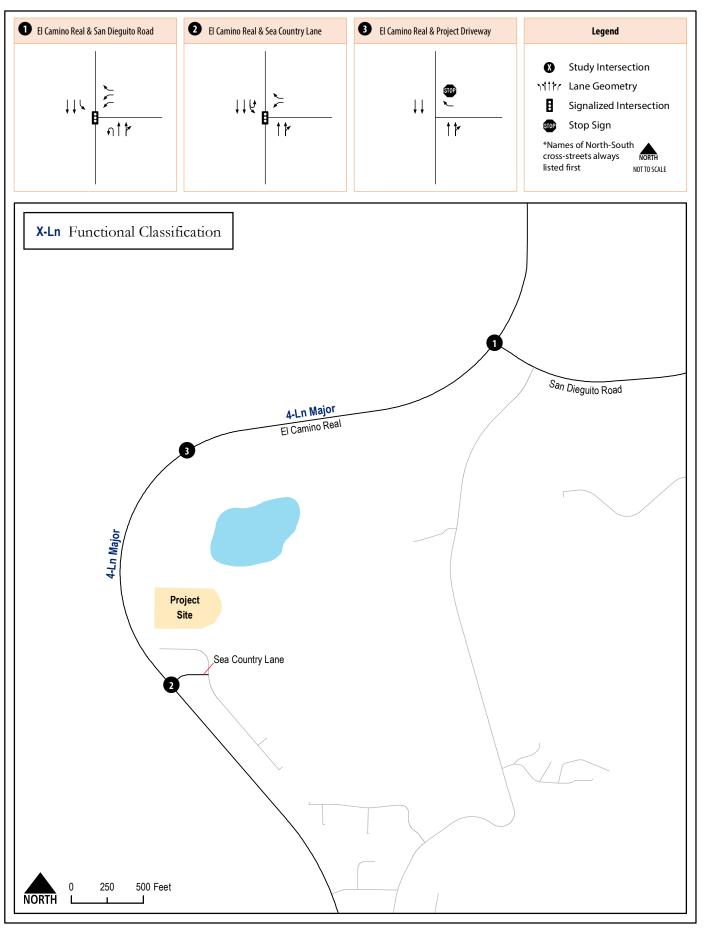
Table 5.1 Roadway Segment LOS Results – Existing Conditions

Roadway	Segment	Functional Classification	Daily Volume	LOS Threshold (LOS E)	V/C	LOS
El Camino Real	San Dieguito Road to Sea Country Lane	4-Lane Major Arterial	15,151	40,000	0.396	В

Notes:

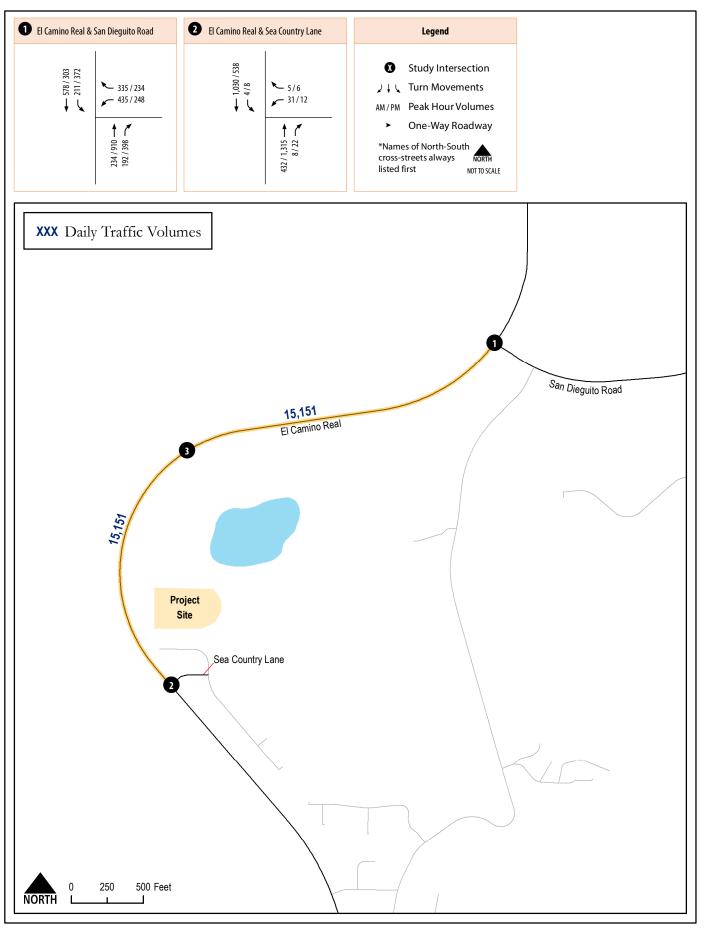
V/C = Volume / Capacity.

As shown in Table 5.1, El Camino Real between San Dieguito Road and Sea Country Lane currently operates at acceptable LOS B.

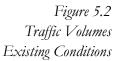


El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 5.1
Roadway Classifications and Intersection Geometrics
Existing Conditions



El Camino Real Assisted Living Facility Local Mobility Analysis



5.2.2 Intersection Analysis

Table 5.2 displays intersection LOS and average vehicle delay results for the study area intersections under Existing conditions. LOS calculation worksheets and signal timing inputs for Existing conditions are provided in **Appendix E**.

Table 5.2 Peak Hour Intersection LOS Results – Existing Conditions

		AM Peak Hour		r	PM Peak Hour	
ID#	Intersection	Control Type	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS
1	El Camino Real & San Dieguito Road	Signal	14.7	В	41.4	D
2	El Camino Real & Sea Country Lane	Signal	4.8	Α	5.1	Α

As shown in Table 5.2, both study area intersections currently operate at an acceptable LOS D or better during both the AM and PM peak hours under Existing conditions.

6.0 Near-Term Year 2024 Base Conditions

This section provides an analysis of Year 2024 traffic conditions, the Proposed Project's opening year, both without and with the Proposed Project. The scenarios analyzed in this section include:

- Near-Term Year 2024 Base
- Near-Term Year 2024 Base with Project

It should be noted that the adjacent St. John Church project is anticipated to be complete by the Proposed Project's opening year, 2024. Since both projects are anticipated to generate project trips during the weekend, in addition to evaluating traffic conditions during a typical weekday this section includes an evaluation of traffic conditions during the weekend.

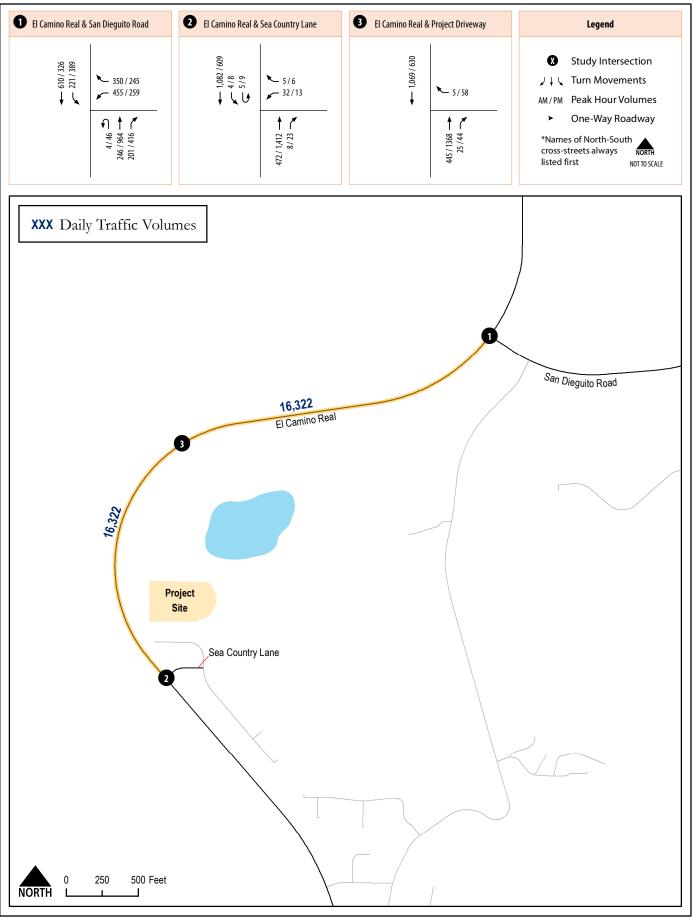
6.1 Near-Term Year 2024 Base Roadway Network and Traffic Volumes

Roadway and intersection geometrics under Near-Term Year 2024 Base Conditions were assumed to be identical to existing roadway geometrics, as previously shown in Figure 5.1, with the exception of the following one (1) intersection:

3. El Camino Real & Project Driveway — The St. John Church project is currently in the process of constructing this driveway and it is assumed the driveway will be complete by the Proposed Project's opening year, 2024. This driveway would serve both the Proposed Project and the St. John Church, allow for right-in right-out access off El Camino Real, and operate as a side-street stop-controlled intersection, with El Camino Real as uncontrolled and the project driveway as stop-controlled.

Near-Term Year 2024 Base scenario traffic volumes were derived by applying the 1.54% annual growth rate, calculated previously in Section 5.1, to the February 2012 weekday and weekend traffic counts (included in Appendix B) conducted for the St. John Church TIS. This resulted in a total growth of 18.48% over a twelve-year period between year 2012 and year 2024. Additionally, since the St. John Church is anticipated to be complete by the Proposed Project's opening year, and thus contribute traffic within the project study area, trips generated by the St. John Church were added to the estimated year 2024 traffic volumes. Traffic volumes from the St. John Church TIS, including the St. John Church project trip assignment, are included in Appendix B. Traffic volume calculations for the Near-Term Year 2024 Base scenario are included in Appendix D.

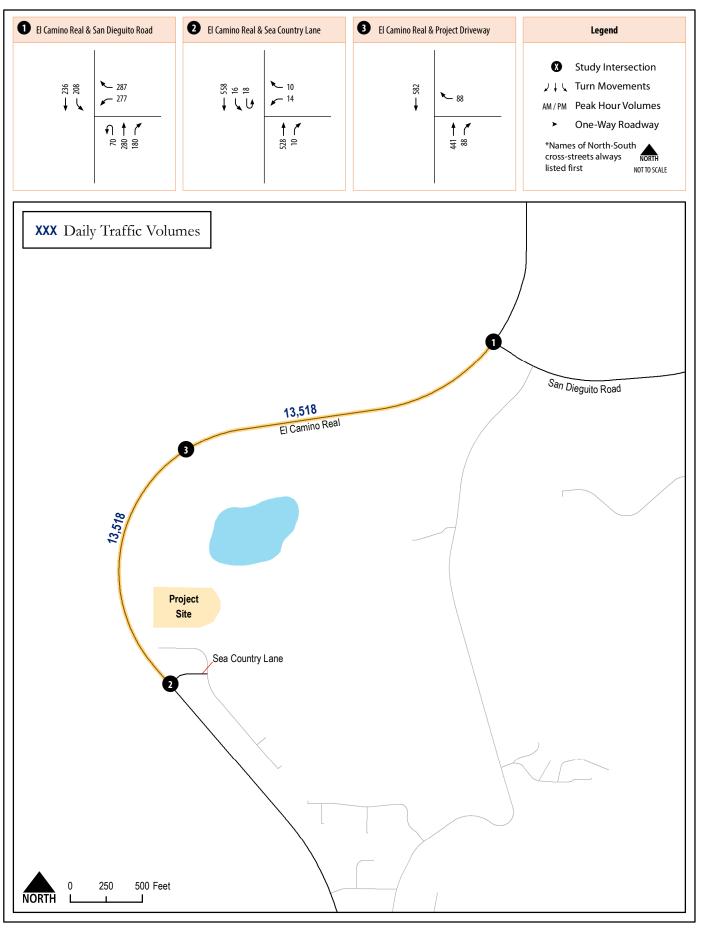
Figure 6.1 and **Figure 6.2** display the weekday and weekend average daily roadway and peak hour intersection volumes under Near-Term Year 2024 Base conditions, respectively.



El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 6.1 Traffic Volumes Near-Term Year 2024 Base Conditions (Weekday)





El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 6.2 Traffic Volumes Near-Term Year 2024 Base Conditions (Weekend)



6.2 Near-Term Year 2024 Base Traffic Conditions

LOS analyses under Near-Term Year 2024 Base conditions were conducted using the methodologies described in Section 2.0. Roadway segment and intersection LOS analysis results are discussed separately below.

6.2.1 Roadway Segment Analysis (Weekday)

Table 6.1 displays the LOS analysis results for roadway segments under Near-Term Year 2024 Base conditions during the week.

Table 6.1 Roadway Segment LOS Results – Near-Term Year 2024 Base Conditions (Weekday)

Roadway Segment		Functional Classification	Daily Volume	LOS Threshold (LOS E)	V/C	LOS	
		San Dieguito Road to Project Driveway	4-Lane Major Arterial	16,322	40,000	0.408	
	El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	16,322	40,000	0.408	В

Note:

V/C = Volume / Capacity.

As shown in Table 6.1, El Camino Real between San Dieguito Road and Sea Country Lane is projected to operate at acceptable LOS B during the week under Near-Term Year 2024 Base conditions.

6.2.2 Roadway Segment Analysis (Weekend)

Table 6.2 displays the LOS analysis results for roadway segments under Near-Term Year 2024 Base conditions during the weekend.

Table 6.2 Roadway Segment LOS Results – Near-Term Year 2024 Base Conditions (Weekend)

Roadwav	Segment	Functional Classification	Daily Volume	LOS Threshold (LOS E)	V/C	LOS
El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	13,518	40,000	0.338	Α
El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	13,518	40,000	0.338	Α

Note:

V/C = Volume / Capacity.

As shown in Table 6.2, El Camino Real between San Dieguito Road and Sea Country Lane is projected to operate at acceptable LOS A during the weekend under Near-Term Year 2024 Base conditions.

6.2.3 Intersection Analysis (Weekday)

Table 6.3 displays intersection LOS and average vehicle delay results for the study area intersections under Near-Term Year 2024 Base conditions during the weekday. LOS calculation worksheets and signal timing inputs for Near-Term Year 2024 Base conditions are provided in **Appendix F**.

Table 6.3 Peak Hour Intersection LOS Results – Near-Term Year 2024 Base Conditions (Weekday)

			AM Peak Hour		PM Peak Hou	r
ID#	Intersection	Control Type	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS
1	El Camino Real & San Dieguito Road	Signal	16.7	В	47.8	D
2	El Camino Real & Sea Country Lane	Signal	5.0	Α	5.8	А
3	El Camino Real & Project Driveway	SSSC	10.2	В	18.7	С

Note

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 6.3, all study area intersections are projected to operate at an acceptable LOS D or better during both weekday AM and PM peak hours under Near-Term Year 2024 Base conditions.

6.2.4 Intersection Analysis (Weekend)

Table 6.4 displays intersection LOS and average vehicle delay results for the study area intersections under Near-Term Year 2024 Base conditions during the weekend. LOS calculation worksheets and signal timing inputs for Near-Term Year 2024 Base conditions are provided in **Appendix G**.

Table 6.4 Peak Hour Intersection LOS Results – Near-Term Year 2024 Base Conditions (Weekend)

			Sunday Peak Hour		
ID#	Intersection	Control Type	Avg. Delay (sec.)	LOS	
1	El Camino Real & San Dieguito Road	Signal	17.2	В	
2	El Camino Real & Sea Country Lane	Signal	5.6	А	
3	El Camino Real & Project Driveway	SSSC	11.2	В	

Note

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 6.4, all study area intersections are projected to operate at an acceptable LOS B or better during the weekend peak hour under Near-Term Year 2024 Base conditions.

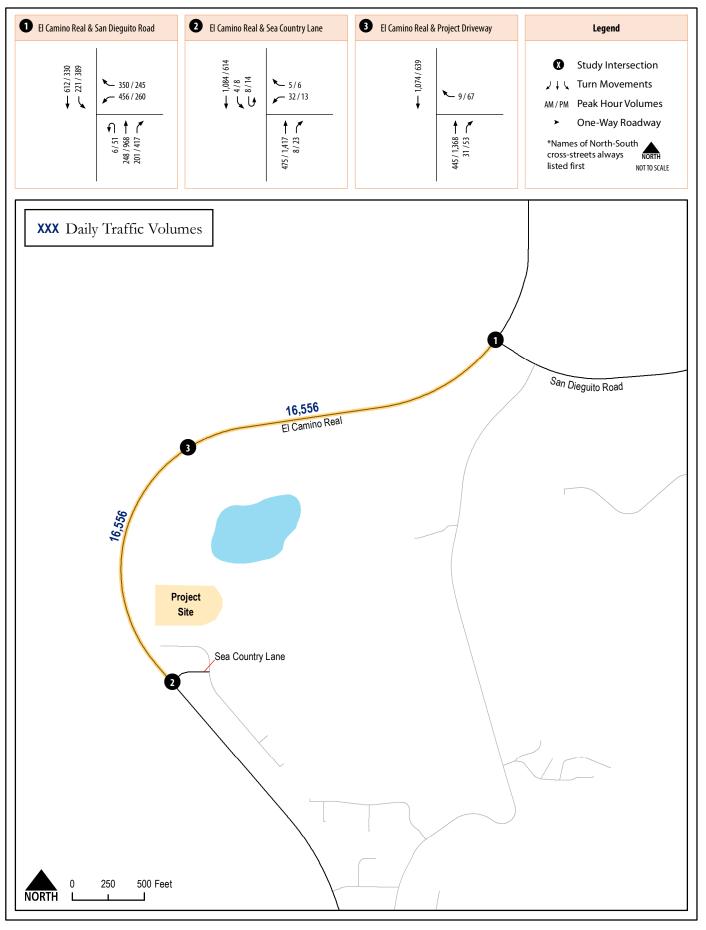
6.3 Near-Term Year 2024 Base with Project Roadway Network and Traffic Volumes

Roadway and intersection geometrics under Near-Term Year 2024 Base with Project conditions were assumed to be identical to the Near-Term Year 2024 Base conditions geometrics, previously discussed in Section 6.1.

Near-Term Year 2024 Base with Project traffic volumes were derived by adding the trips generated by the Proposed Project (as shown in Figure 3.2 and Figure 3.3) to the Near-Term Year 2024 Base traffic volumes (as shown in Figure 6.1 and Figure 6.2). **Figure 6.3** and **Figure 6.4** display the weekday and weekend average daily roadway and peak hour intersection volumes under Near-Term Year 2024 Base conditions, respectively.

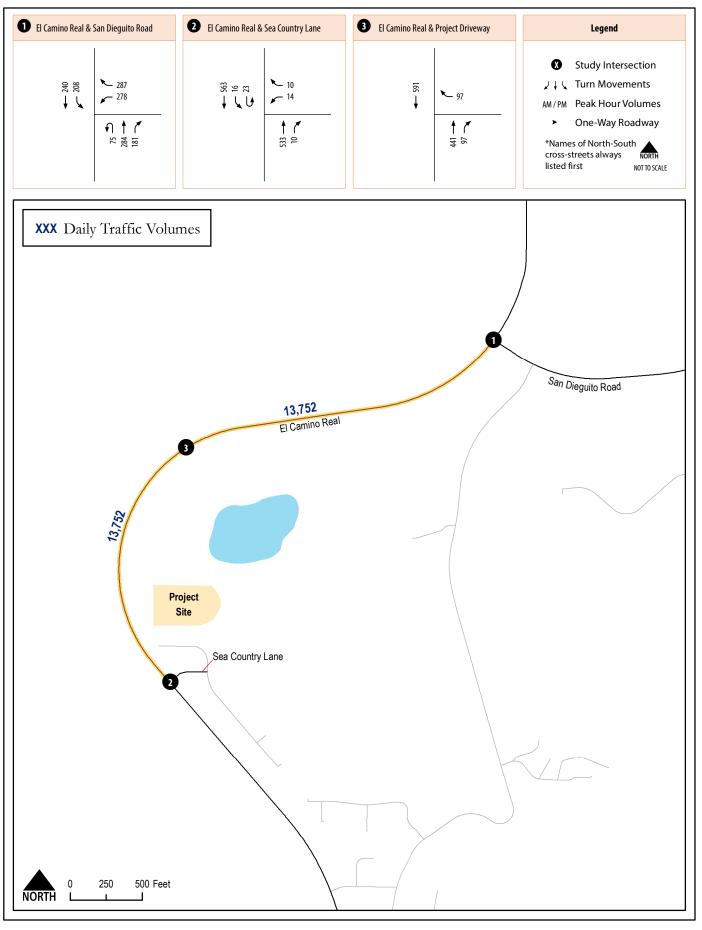
6.4 Near-Term Year 2024 Base with Project Traffic Conditions

LOS analyses under Near-Term Year 2024 Base with Project conditions were conducted using the methodologies described in Section 2.0. Roadway segment and intersection LOS analysis results are discussed below.



El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 6.3 Traffic Volumes Near-Term Year 2024 Base with Project Conditions (Weekday)



El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 6.4

Traffic Volumes

Near-Term Year 2024 Base with Project Conditions (Weekend)

6.4.1 Roadway Segment Analysis (Weekday)

Table 6.5 displays the LOS analysis results for study area roadway segments under Near-Term Year 2024 Base with Project during the week.

Table 6.5 Roadway Segment LOS Results – Near-Term Year 2024 Base with Project Conditions (Weekday)

Roadway	Segment	Functional Classification	ADT	LOS Threshold (LOS E)	V/C	LOS	LOS w/o Project	ΔV/C
El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	16,556	40,000	0.414	В	В	0.006
El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	16,556	40,000	0.414	В	В	0.006

Note:

V/C = Volume / Capacity.

As shown in Table 6.5, El Camino Real between San Dieguito Road and Sea Country Lane is projected to continue to operate at acceptable LOS B during the week under Near-Term Year 2024 Base with Project conditions.

6.4.2 Roadway Segment Analysis (Weekend)

Table 6.6 displays the LOS analysis results for study area roadway segments under Near-Term Year 2024 Base with Project conditions during the weekend.

Table 6.6 Roadway Segment LOS Results – Near-Term Year 2024 Base with Project Conditions (Weekend)

Functional			LOS Threshold			LOS w/o		
Roadway	Segment	Classification	ADT	(LOS E)	V/C	LOS	Project	ΔV/C
El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	13,752	40,000	0.344	А	А	0.006
El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	13,752	40,000	0.344	А	Α	0.006

Note:

V/C = Volume / Capacity.

As shown in Table 6.6, El Camino Real between San Dieguito Road and Sea Country Lane is projected to continue to operate at acceptable LOS A during the weekend under Near-Term Year 2024 Base with Project conditions.

6.4.3 Intersection Analysis (Weekday)

Table 6.7 displays intersection LOS and average vehicle delay results for the study area intersections under Near-Term Year 2024 Base with Project conditions during the weekday. LOS calculation and signal timing input worksheets for Near-Term Year 2024 Base with Project conditions are provided in **Appendix H.**

Table 6.7 Peak Hour Intersection LOS Results – Near-Term Year 2024 Base with Project Conditions (Weekday)

			AM Peak	Hour	PM Peak Hour		Delay w/o		
		Control	Avg. Delay		Avg. Delay		Project (sec)	LOS w/o Project	Change in Delay (sec)
#	Intersection	Туре	(sec)	LOS	(sec)	LOS	AM/PM	AM/PM	AM/PM
1	El Camino Real & San Dieguito Road	Signal	16.8	В	47.9	D	16.7 / 47.8	B/D	0.1 / 0.1
2	El Camino Real & Sea Country Lane	Signal	5.0	Α	6.0	Α	5.0 / 5.8	A / A	0.0 / 0.2
3	El Camino Real & Project Driveway	SSSC	10.2	В	19.4	С	10.2 / 18.7	B/C	0.0 / 0.7

Note:

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 6.7, all study area intersections are projected to operate at an acceptable LOS D or better during both weekday AM and PM peak hours under Near-Term Year 2024 Base with Project conditions.

6.4.4 Intersection Analysis (Weekend)

Table 6.8 displays intersection LOS and average vehicle delay results for the study area intersections under Near-Term Year 2024 Base with Project conditions during the weekend. LOS calculation and signal timing input worksheets for Near-Term Year 2024 Base with Project conditions are provided in **Appendix I.**

Table 6.8 Peak Hour Intersection LOS Results – Near-Term Year 2024 Base with Project Conditions (Weekend)

				Sunday Peak Hour		Delay w/o		•
		Control	Avg. Delay		Project	LOS w/o	Change in	
	#	Intersection	Type	(sec)	LOS	(sec)	Project	Delay (sec)
	1	El Camino Real & San Dieguito Road	Signal	17.3	В	17.2	В	0.1
	2	El Camino Real & Sea Country Lane	Signal	5.7	А	5.6	А	0.1
	3	El Camino Real & Project Driveway	SSSC	11.4	В	11.2	В	0.2

Note:

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 6.8, all study area intersections are projected to operate at an acceptable LOS B or better during the weekend peak hour under Near-Term Year 2024 Base with Project conditions.

6.5 Determination of the Need for Off-Site Improvements to Accommodate Project Traffic

This section determines if the analysis results above are consistent with the operational analysis results of the St. John Garabed Church TIS.

6.5.1 Roadway Segment Improvements

Based upon the significance criteria presented in Section 2.7 of this report, the addition of Proposed Project traffic would not have an adverse effect on traffic operations along any of the study area roadway segments under Near-Term Year 2024 Base with Project conditions. Therefore, no roadway segment improvements will be required.

6.5.2 Intersection Improvements

Based upon the significance criteria presented in Section 2.7 of this report, the addition of Proposed Project traffic would not have an adverse effect on traffic operations at any of the study area intersections under Near-Term Year 2024 Base with Project conditions. Therefore, no intersection improvements will be required.

6.5.3 Pedestrian Improvements

Based on review of the NCFUA Framework Plan and the Proposed Project site plan, the Proposed Project does not interfere with existing or planned pedestrian facilities. Thus, no reductions to pedestrian facility quality are identified as a result of the Proposed Project. Therefore, no adverse effects to the pedestrian network were identified, and no pedestrian improvements will be required.

6.5.4 Bicycle Improvements

Based on review of the NCFUA Framework Plan and the Proposed Project site plan, the Proposed Project does not interfere with existing or planned bicycle facilities. Thus, no reductions to bicycle facility quality are identified as a result of the Proposed Project. Therefore, no adverse effects to the pedestrian network were identified, and no bicycle improvements will be required.

The Proposed Project will, however, provide bicycle amenities such as on-site bicycle parking and storage per the San Diego Municipal Code requirements.

6.5.5 Transit Improvements

There are no existing or planned transit facilities within ½ mile of the Proposed Project. Thus, no reductions to transit facility quality are identified as a result of the Proposed Project. Therefore, no adverse effects to the transit network were identified, and no transit improvements will be required.

Although no transit improvements will be required, the project applicant proposes to provide a shuttle to the Solana Beach Station.

7.0 Horizon Year Base Conditions

This section provides an analysis of Horizon Year Base traffic conditions both with and without the Proposed Project. The scenarios analyzed in this section include:

- Horizon Year Base
- Horizon Year Base with Project

7.1 Horizon Year Base Roadway Network and Traffic Volumes

Roadway and intersection geometrics under Horizon Year Base Conditions were assumed to be identical to existing roadway geometrics, as previously shown in Figure 5.1, with the exception of the following one (1) intersection:

3. El Camino Real & Project Driveway — The St. John Church project is currently in the process of constructing this driveway and it is assumed the driveway will be complete by the Proposed Project's opening year, 2024. This driveway would serve both the Proposed Project and the St. John Church, allow for right-in right-out access off El Camino Real, and operate as a side-street stop-controlled intersection, with El Camino Real as uncontrolled and the project driveway as stop-controlled.

It is anticipated that traffic signals would be adjusted to accommodate growth in traffic volumes between the Proposed Project's opening year (Near-Term Year 2024) and Horizon Year. Thus, signal timings were optimized under Horizon Year Base conditions.

Traffic volumes for this scenario were obtained from the Horizon Year with Project section of the St. John Church TIS. Relevant excerpt of the church study is provided in Appendix B. **Figure 7.1** and **Figure 7.2** display the weekday and weekend average daily roadway and peak hour intersection volumes under Horizon Year Base conditions, respectively.

7.2 Horizon Year Base Traffic Conditions

LOS analyses under Horizon Year Base conditions were conducted using the methodologies described in Section 2.0. Roadway segment and intersection LOS analysis results are discussed separately below.

7.2.1 Roadway Segment Analysis (Weekday)

Table 7.1 displays the LOS analysis results for roadway segments under Horizon Year Base conditions during the week.

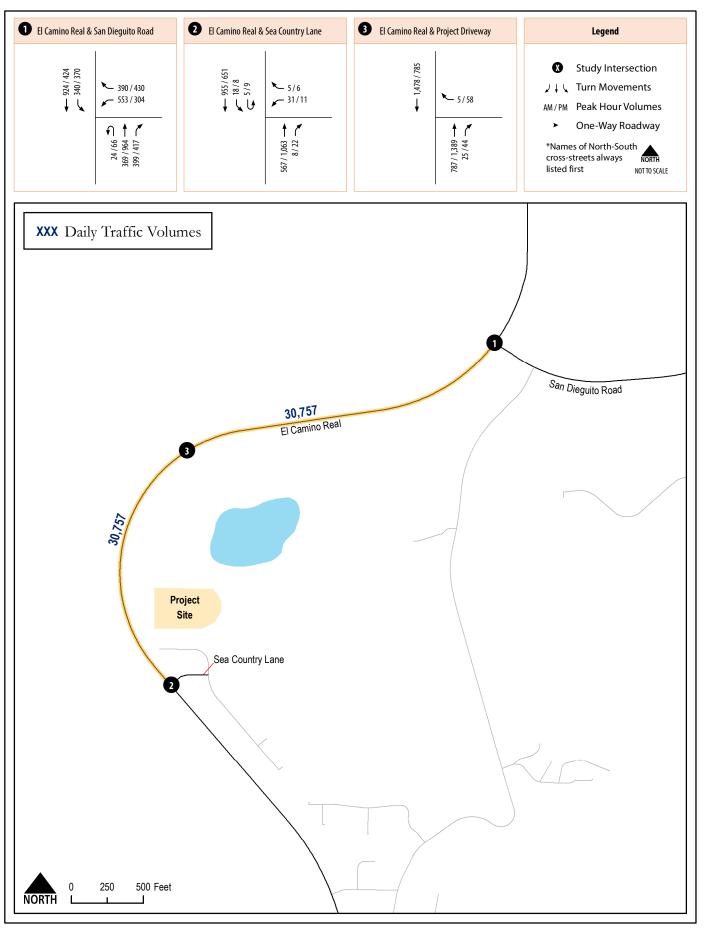
Table 7.1 Roadway Segment LOS Results – Horizon Year Base Conditions (Weekday)

		Functional	Daily	LOS Threshold			
	Roadway	Segment	Classification	Volume	(LOS E)	V/C	LOS
	El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	30,757	40,000	0.769	D
	El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	30,757	40,000	0.769	D

Note:

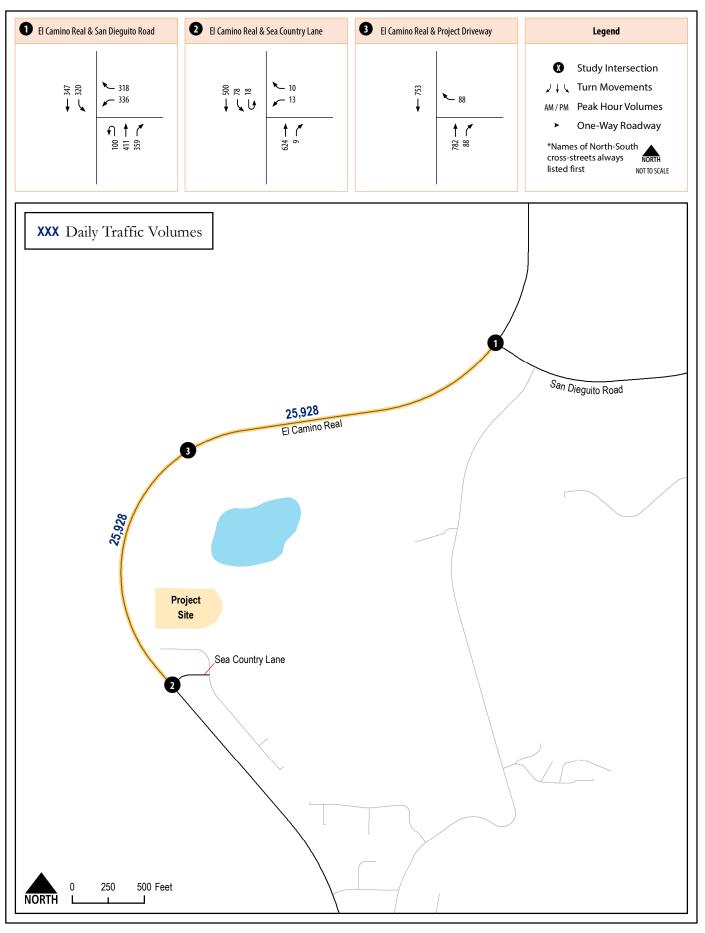
V/C = Volume / Capacity.

As shown in Table 7.1, El Camino Real between San Dieguito Road and Sea Country Lane is projected to operate at acceptable LOS D during the week under Horizon Year Base conditions.



El Camino Real Assisted Living Facility Local Mobility Analysis





El Camino Real Assisted Living Facility Local Mobility Analysis

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Figure 7.2 Traffic Volumes Horizon Year Base Conditions (Weekend)

7.2.2 Roadway Segment Analysis (Weekend)

Table 7.2 displays the LOS analysis results for roadway segments under Horizon Year Base conditions during the weekend.

Table 7.2 Roadway Segment LOS Results – Horizon Year Base Conditions (Weekend)

		Functional	Daily	LOS Threshold		
Roadway	Segment	Classification	Volume	(LOS E)	V/C	LOS
El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	25,928	40,000	0.648	С
El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	25,928	40,000	0.648	С

Note:

V/C = Volume / Capacity.

As shown in Table 7.2, El Camino Real between San Dieguito Road and Sea Country Lane is projected to operate at acceptable LOS C during the weekend under Horizon Year Base conditions.

7.2.3 Intersection Analysis (Weekday)

Table 7.3 displays intersection LOS and average vehicle delay results for the study area intersections under Horizon Year Base conditions during the weekday. LOS calculation worksheets and signal timing inputs for Horizon Year Base conditions are provided in **Appendix J**.

Table 7.3 Peak Hour Intersection LOS Results – Horizon Year Base Conditions (Weekday)

			AM Peak Hou	r	PM Peak Hour	
ID#	Intersection	Control Type	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS
1	El Camino Real & San Dieguito Road	Signal	24.0	С	53.5	D
2	El Camino Real & Sea Country Lane	Signal	5.1	Α	4.8	Α
3	El Camino Real & Project Driveway	SSSC	11.8	В	19.0	С

Note:

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 7.3, all study area intersections are projected to operate at an acceptable LOS D or better during both weekday AM and PM peak hours under Horizon Year Base conditions.

7.2.4 Intersection Analysis (Weekend)

Table 7.4 displays intersection LOS and average vehicle delay results for the study area intersections under Horizon Year Base conditions during the weekend. LOS calculation worksheets and signal timing inputs for Horizon Year Base conditions are provided in **Appendix K**.

Table 7.4 Peak Hour Intersection LOS Results – Horizon Year Base Conditions (Weekend)

	Sunday Peak Hour					
ID#	Intersection	Control Type	Avg. Delay (sec.)	LOS		
1	El Camino Real & San Dieguito Road	Signal	22.6	С		
2	El Camino Real & Sea Country Lane	Signal	6.5	А		
3	El Camino Real & Project Driveway	SSSC	13.7	В		

Note:

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 7.4, all study area intersections are projected to operate at an acceptable LOS C or better during the weekend peak hour under Horizon Year Base conditions.

7.3 Horizon Year Base with Project Roadway Network and Traffic Volumes

Roadway and intersection geometrics under Horizon Year Base with Project conditions were assumed to be identical to the Horizon Year Base conditions geometrics, previously discussed in Section 7.1.

Horizon Year Base with Project traffic volumes were derived by adding the trips generated by the Proposed Project (as shown in Figure 3.2 and Figure 3.3) to the Horizon Year Base traffic volumes (as shown in Figure 7.1 and Figure 7.2). **Figure 7.3** and **Figure 7.4** display the weekday and weekend average daily roadway and peak hour intersection volumes under Horizon Year Base conditions, respectively.

7.4 Horizon Year Base with Project Traffic Conditions

LOS analyses under Horizon Year Base with Project conditions were conducted using the methodologies described in Section 2.0. Roadway segment and intersection LOS analysis results are discussed below.

7.4.1 Roadway Segment Analysis (Weekday)

Table 7.5 displays the LOS analysis results for study area roadway segments under Horizon Year Base with Project conditions during the week.

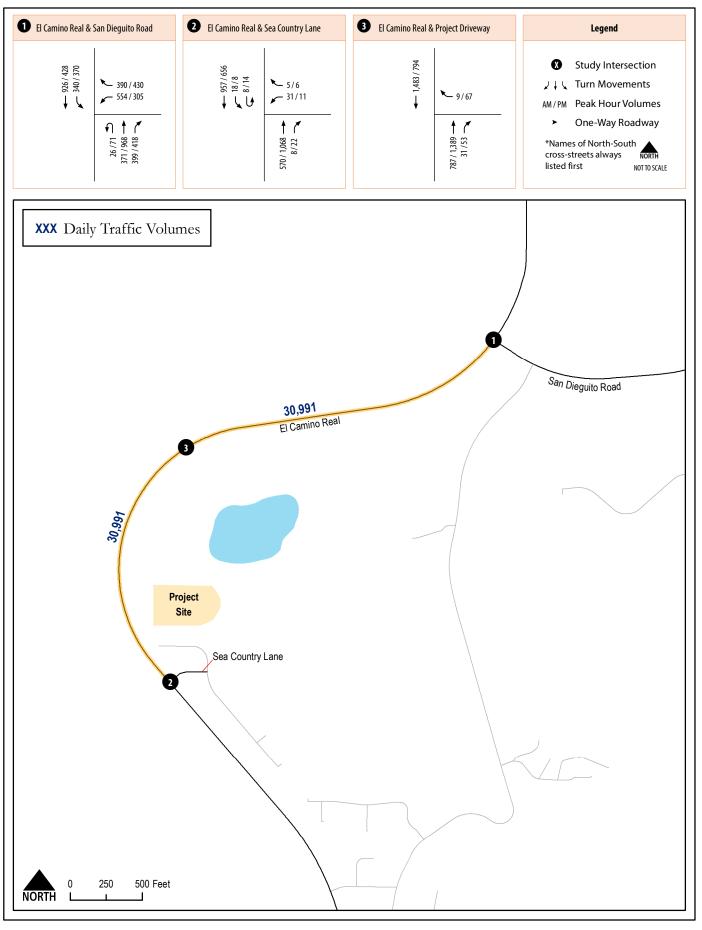
Table 7.5 Roadway Segment LOS Results – Horizon Year Base with Project Conditions (Weekday)

Roadway	Segment	Functional Classification	ADT	LOS Threshold (LOS E)	V/C	LOS	LOS w/o Project	ΔV/C
El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	30,991	40,000	0.775	D	D	0.006
El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	30,991	40,000	0.775	D	D	0.006

Note:

V/C = Volume / Capacity.

As shown in Table 7.5, El Camino Real between San Dieguito Road and Sea Country Lane is projected to continue to operate at acceptable LOS D during the week under Horizon Year Base with Project conditions.

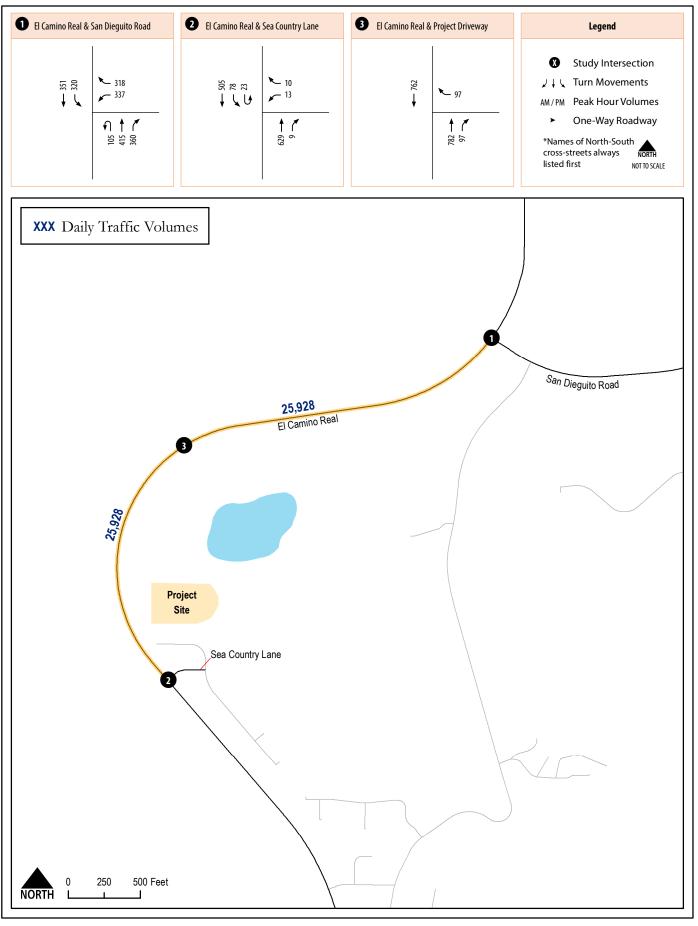


El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 7.3

Traffic Volumes

Horizon Year Base with Project Conditions (Weekday)



El Camino Real Assisted Living Facility Local Mobility Analysis

Figure 7.4 Traffic Volumes Horizon Year Base with Project Conditions (Weekend)



7.4.2 Roadway Segment Analysis (Weekend)

Table 7.6 displays the LOS analysis results for study area roadway segments under Horizon Year Base with Project conditions during the weekend.

Table 7.6 Roadway Segment LOS Results – Horizon Year Base with Project Conditions (Weekend)

Roadway	Segment	Functional Classification	ADT	LOS Threshold (LOS E)	V/C	LOS	LOS w/o Project	ΔV/C
El Camino Real	San Dieguito Road to Project Driveway	4-Lane Major Arterial	26,162	40,000	0.654	С	С	0.006
El Camino Real	Project Driveway to Sea Country Lane	4-Lane Major Arterial	26,162	40,000	0.654	С	С	0.006

Note:

V/C = Volume / Capacity.

As shown in Table 7.6, El Camino Real between San Dieguito Road and Sea Country Lane is projected to continue to operate at acceptable LOS C during the weekend under Horizon Year Base with Project conditions.

7.4.3 Intersection Analysis (Weekday)

Table 7.7 displays intersection LOS and average vehicle delay results for the study area intersections under Horizon Year Base with Project conditions during the weekday. LOS calculation and signal timing input worksheets for Horizon Year Base with Project conditions are provided in **Appendix L.**

Table 7.7 Peak Hour Intersection LOS Results – Horizon Year Base with Project Conditions (Weekday)

			AM Peak	AM Peak Hour PM Peak Hour		Delay w/o			
			Avg.		Avg.		Project	LOS w/o	Change in
		Control	Delay		Delay		(sec)	Project	Delay (sec)
#	Intersection	Type	(sec)	LOS	(sec)	LOS	AM/PM	AM/PM	AM/PM
1	El Camino Real & San Dieguito Road	Signal	33.0	С	53.8	D	24.0 / 53.5	C/D	9.0 / 0.3
2	El Camino Real & Sea Country Lane	Signal	5.5	Α	5.6	Α	5.1 / 4.8	A/A	0.4 / 0.8
3	El Camino Real & Project Driveway	SSSC	11.9	В	19.7	С	11.8 / 19.0	B/C	0.1 / 0.7

Note

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 7.7, all study area intersections are projected to operate at acceptable LOS D or better during both weekday AM and PM peak hours under Horizon Year Base with Project conditions.

7.4.4 Intersection Analysis (Weekend)

Table 7.8 displays intersection LOS and average vehicle delay results for the study area intersections under Horizon Year Base with Project conditions during the weekend. LOS calculation and signal timing input worksheets for Horizon Year Base with Project conditions are provided in **Appendix M.**

Table 7.8 Peak Hour Intersection LOS Results – Horizon Year Base with Project Conditions (Weekend)

			Sunday Peak Hour		Delay w/o		
	Control Avg. Delay		Project	LOS w/o	Change in		
#	Intersection	Туре	(sec)	LOS	(sec)	Project	Delay (sec)
1	El Camino Real & San Dieguito Road	Signal	22.8	С	22.6	С	0.2
2	El Camino Real & Sea Country Lane	Signal	6.6	А	6.5	А	0.1
3	El Camino Real & Project Driveway	SSSC	14.0	В	13.7	В	0.3

Note:

SSSC = Side-Street Stop-Controlled. For SSSC, the delay shown is the worst delay experienced by any of the approaches.

As shown in Table 7.8, all study area intersections are projected to operate at acceptable LOS C or better during the weekend peak hour under Horizon Year Base with Project conditions.

7.5 Determination of the Need for Off-Site Improvements to Accommodate Project Traffic

This section determines if the analysis results above are consistent with the operational analysis results of the St. John Garabed Church TIS.

7.5.1 Roadway Segment Improvements

Based upon the significance criteria presented in Section 2.7 of this report, the addition of Proposed Project traffic would not cause an adverse effect on traffic operations along any of the study area roadway segments under Horizon Year Base with Project conditions. Therefore, no roadway segment improvements will be required.

7.5.2 Intersection Improvements

Based upon the significance criteria presented in Section 2.7 of this report, the addition of Proposed Project traffic would not cause an adverse effect to traffic operations at any of the study area intersections under Horizon Year Base with Project conditions. Therefore, no intersection improvements will be required.

7.5.3 Pedestrian Improvements

Based on review of the NCFUA Framework Plan and the Proposed Project site plan, the Proposed Project does not interfere with existing or planned pedestrian facilities. Thus, no reductions to pedestrian facility quality are identified as a result of the Proposed Project. Therefore, no adverse effects to the pedestrian network were identified, and no pedestrian improvements will be required.

7.5.4 Bicycle Improvements

Based on review of the NCFUA Framework Plan and the Proposed Project site plan, the Proposed Project does not interfere with existing or planned bicycle facilities. Thus, no reductions to bicycle facility quality are identified as a result of the Proposed Project. Therefore, no adverse effects to the pedestrian network were identified, and no bicycle improvements will be required.

The Proposed Project will, however, provide bicycle amenities such as on-site bicycle parking and storage per the San Diego Municipal Code requirements.

7.5.5 Transit Improvements

There are no existing or planned transit facilities within ½ mile of the Proposed Project. Thus, no reductions to transit facility quality are identified as a result of the Proposed Project. Therefore, no adverse effects to the transit network were identified, and no transit improvements will be required.

Although no transit improvements will be required, the project applicant proposes to provide a shuttle to the Solana Beach Station.

8.0 Consistency with the St. John Church TIS

This section determines if the analysis results presented above are consistent with the findings of the St. John Church TIS.

The FEIR concluded that the St. John Church would not have a significant transportation related impact since the St. John Church would not cause any roadway segments or intersections to operate at a substandard LOS. Similarly, all intersections and roadway segments within the Proposed Project study area are anticipated to operate at LOS D or better. Thus, the Proposed Project would not have an adverse effect on roadway segments or intersections and would remain consistent with the operational analysis results of the St. John Church TIS.

Additionally, based on the City of San Diego's new SB 743-compliant CEQA Significance Thresholds for Transportation implemented via the City of San Diego TSM, the Proposed Project is considered to be a small project, and may be presumed to have a less than significant transportation VMT impact.

Appendix A Project Information Form (PIF)



City of San Diego **Project Information Form**

Project Information

Project Name:	El Camino Real S	enior Living					
rroject ivanie.	Project Applicant						
Name:	Nolan Weinberg	,	<u> </u>	MR Carme	al Valley LLC		
Address:	3394 Carmel Mo	•					
						a la II a a a ma	
Contact Information	Phone Numbe			Email:	NWeinberg@pm	iblic.com	
		Project Locatio	n and Conte	ĸt			
Project Address:	Approximately: 1	L3860 El Camir	no Real, San D	iego, CA 🤉	92130		
APN:	3046503700	3046503700					
Driveway Cross	El Camino Real &	El Camino Real & Project Driveway. Project driveway currently under construction by					
Streets:	the adjacent chu	rch project (St	. John Garabe	ed Armeni	ian Church).		
Please attach a Proj	ect Location Map t	hat clearly	Attachmen ^a	t A – Proje	ect Regional Locat	ion and	
identifies project d	riveways and acces	ss points.	Attachmen ^a	t B – Proje	ect Site Plan		
Camana un itu Dian	North City Future Urbanizing Area Subarea II Plan	Land Us Designation	F :	al and	Zoning:	AR-1-1	
Is any portion of the pro	ect located in a Par	king Standards	Transit Prior	ity Area?:	☐ Yes 🔼 I	No	
Project Description (with	Project Description (with Proposed Land Uses and Intensities):						

The Proposed Project intends to develop a 105,568 SF, three story 105-unit nursing home facility for assisted living consisting of 18 memory care accommodations and 87 assisted living accommodations. A conditional use permit is being requested for the Proposed Project.

The trip generation rate for "Congregate Care Facility" was used for assisted living units as it is the most applicable. Similarly, the trip generation rate for "Convalescent/Nursing" was used for memory care units.

Number of Parking	Vehicle Spaces	Accessible Spaces	Bicycle Spaces (racks and secure storage)	Motorcycle Spaces
Spaces:	61	3	12 short term + 4 long term	2

Identify any project features related to TDM and identify any transportation amenities or travel demand management measures that are required based on the San Diego Municipal Code Section 142.0528 (transportation amenities) or the Climate Action Plan Consistency Checklist. For example: transit pass subsidies, unbundled parking, shuttle services, car share, bicycle supportive features (bike repair station, bike lockers, etc.)

6 carpool/zero emissions vehicle + 4 EV capable parking space.

Please attach a project site plan that clearly identifies the following:

- Land use types and quantities, and number of parking spaces provided (vehicle, bicycle, motorcycle) clearly identified.
- Driveway locations and type (full access, partial access, right in/out only) identified.
- Pedestrian access, bicycle access and on-site pedestrian circulation clearly identified.
- Location/distance of closest existing transit stop, and proposed transit stops identified in RTIP (measured as walking distance to project entrance/or middle of parcel).

Please see Attachment B



City of San Diego Project Information Form

	Unadjusted Drivewa	y Trips	Total Net New Trips		
Trip Generation Estimates (calculated	Daily:	228	Daily:	228	
using the process described in the TSM):	AM Peak Hour:	10	AM Peak Hour:	10	
	PM Peak Hour:	18	PM Peak Hour:	18	

Preliminary Screening Criteria

1 1	eniminary screening criteria		
(i	CEQA Transportation Analysis Screening 1) Select the Land Uses that apply to your project 2) Answer the questions for each Land Use that applies to your project if "Yes" in any land use category below then that land use (or a portion of the land use) is screened from CEQA Transportation Analysis)	Screened Out	Not Screened Out
		Yes	No
Χ	1. Redevelopment Project:		
	a. Does the project result in a net decrease in total Project VMT?		Χ
	b. Answer if yes to 1a. If the project replaces affordable housing with market rate housing, are there more market rate units planned than existing affordable units being replaced.		N/A
Χ	2. Residential Project:		
	a. Is the project in a VMT/Capita Efficient Area (per SANDAG screening maps)?		Х
	b. Does the project include Affordable Housing? All affordable units are screened out.		X
	3. Commercial Employment Project:		
	 Is the project in a VMT/Employee Efficient Area? (per SANDAG screening maps?) 		
	4. Industrial Employment Project		
	Is the project in a VMT/Industrial Employee Efficient Area?		
	5. Retail/Public Facility/Recreational		
	Is the project locally serving: - Retail OR Public Facility OR Recreational		
Χ	6. Small Project		
	 For all components of a project that are not screened out above (all 'No' in a land use category), what is the daily unadjusted driveway trip generation? 234 daily Trips Is it less than 300 daily trips? Yes 	X	

	Local Mobility Ana	lysis
Is your project's land use consistent with the Community Plan zoning?	☐ Consistent ☐ Generates less than 1,000 daily trips (unadjusted driveway trips)	☑ Inconsistent ☑ Generates less than 500 daily trips (unadjusted driveway trips)
15		

If a project generates 1,000 or more daily trips (consistent with Community Plan Zoning) or 500 or more daily trips (inconsistent with Community Plan zoning), attach an exhibit showing the project's trip distribution percentages and project trip assignment using the process described in the TSM.

SD

City of San Diego Project Information Form

LMA Attachment Information & Scoping

Consistent with the City of San Diego Transportation Study Manual (TSM), a Transportation Impact Analysis and a Local Mobility Analysis will not be required due to the amount of daily trips generated by the Proposed Project. Although the Proposed Project is inconsistent with the community plan, the average daily trips (228) generated by the Proposed Project is below 300 daily trips threshold, which screens the Proposed Project out from completing a Transportation Impact Analysis. Similarly, the average daily trips generated by the Proposed Project is less than 500 daily trips, which screens the Proposed Project out from completing a Local Mobility Analysis.

Access to the project site will be provided via the project driveway currently under construction by the adjacent church project. The project driveway, as described in the *St. John Garabed Armenian Church Traffic Impact Study*, July 2013, would allow for right-in right-out access off El Camino Real. Since the traffic study for the adjacent church project did not account for the trips generated by the Proposed Project, a Local Mobility Analysis will be conducted for the Proposed Project.

Trip Generation

A trip generation analysis was conducted to determine the number of vehicle trips expected to be generated from the Proposed Project. Trip generation rates were obtained from the City of San Diego's *Trip Generation Manual* (May 2003). Appendix C of the City's trip generation manual defines a Congregate Care facility as:

"A facility that typically consists of one or more multi-unit buildings designed for elderly living."

Similarly, the City's trip generation manual defines a Convalescent Hospital as:

"Convalescent hospitals are freestanding institutions designed to provide medical care for patients with longterm illnesses. Normally such hospitals do not provide emergency room medical treatment."

As such, it was determined that both Congregate Care facility and Convalescent Hospital are the appropriate trip generation rates for the Proposed Project. The Proposed Project description determine the Proposed Project trip Generation Table 1 (based on driveway rates).

Table 1 – Proposed Project Trip Generation

						PM							
Land Use	Units	Trip Rate	ADT	%	Trips	Split	In	Out	%	Trips	Split	In	Out
Congregate Care Facility	87 DU	2/DU	174	3%	6	(6:4)	4	2	8%	14	(5:5)	7	7
Convalescent/Nursing	18 beds	3/Bed	54	7%	4	(6:4)	2	2	7%	4	(4:6)	2	2
Total			228		10		6	4		18		9	9

Attachment:

The table below provide a summary of each of the attachments.

Name	Description	Attachment No.
Proposed Project Regional Location	Displays the Proposed Project's regional location	А
Proposed Project Site Plan	Displays the Proposed Project's site plan	В



City of San Diego Project Information Form

Attachment A Proposed Project Regional Location



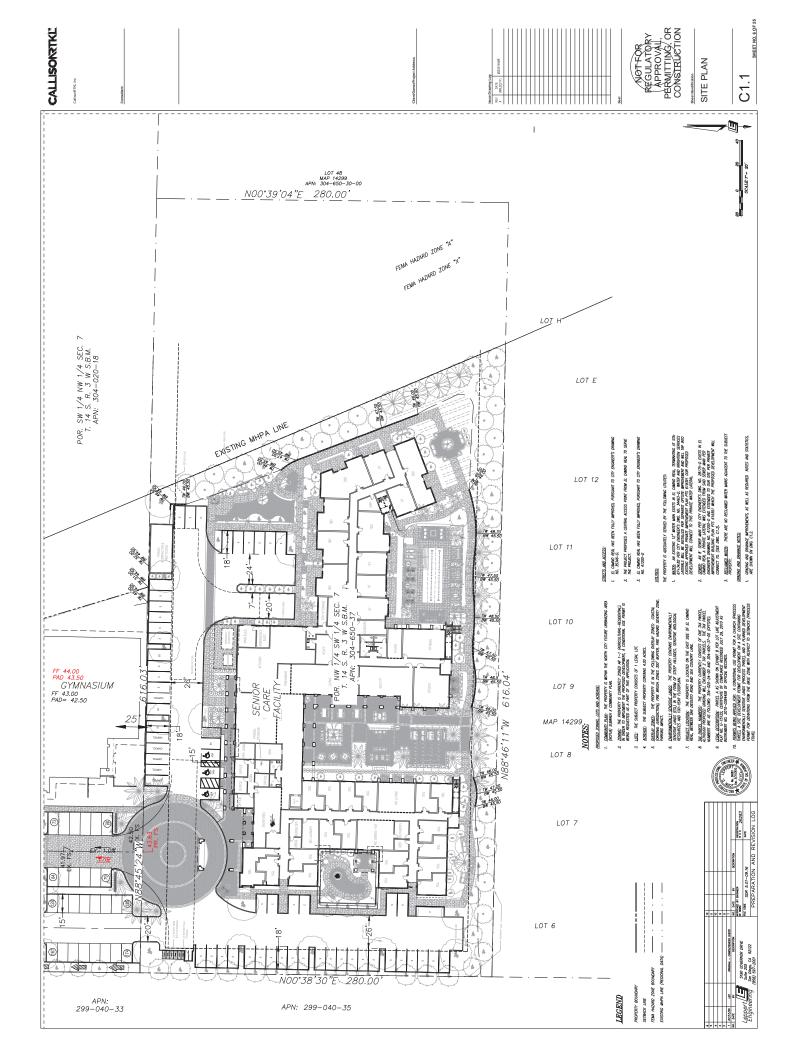
El Camino Real Senior Living

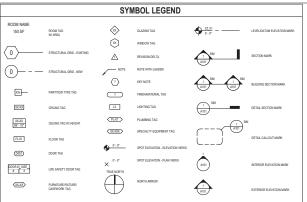
Attachment A Project Regional Location



City of San Diego Project Information Form

Attachment B Proposed Project Site Plan





				BREVIATIONS			
A AB AC AD AFF	ANCHOR BOLT ACOUSTICAL TILE	- 1	ID IN INCAN	INSIDE DIAMETER INCH	5	S SA SAN SB	SOUTH SUPPLY AIR
AD AFF	ACOUSTICAL TILE AREA DRAIN ABOVE FINISH FLOOR			NCH INCANDESCENT INSULATION		SAN SB	SUPPLY AIR SANITARY SPLASH BLOCK
ALIM	ALTERNATE ALIMNUM		INT	INTERIOR		SC SCHED	SOLID CORE OR SHOWER CURTAIN
ARCH	ARCHITECTURAL	J	JB	JUNCTION BOX JOINT		SD SECT	SOUP DISPENSER SECTION SQUARE FOOT OR SQUARE FEET
AU AV	ASH URN AUDIO VISUAL	J	JT	JOINT		SF SFP	SQUARE FOOT OR SQUARE FEET
D 848	BASE AS SCHEDULED		KD KO	KNOCK DOWN		SH	SPRAYED FIREPROOFING SPRINKLER HEAD
B BAS BLDG BLMG	BOARD BUILDING BLOCKING	n.	KO	KNOCKOUT		SHT SHTG SIM	SHEET SHEATHING
BLKG	BLOCKING			LONG		SIM	SHEATHING SIMLAR SKYLIGHT
BM BNG	BEAM OR BENCHMARK BEARING	L	L LAM LAV LB LF	LAMNATED LAVATORY		SND	
BOD BOT	BOTTOM OF DECK		LB	LAG BOLT LINEAR FOOT OR LINEAR FEET		SNV SP	SANITARY NAPKIN VENDOR STANDPIPE
BR	BOTTOM BACKER ROD					SPEC SPR	STANDPIPE SPECIFIED OR SPECIFICATIONS SINGLE PLY ROOFING SQUARE
BRG BUR	BRIDGING BUILT-UP ROOFING		LLV LT	LONG LEG VERTICAL LIGHT OR LIGHTING		SPR SQ SR	SQUARE SUMMER BOD
BW	BOTH WAYS					SRISC	SHOWER ROD SHOWER ROD/ SHOWER CURTAIN STAINLESS STEEL
C C	COURSE	Е	E	EAST		ST STA	STATION
CEM	CABINET CEMENT OR CEMENTITIOUS	-	E EA EHB	EACH ELECTRIC HAIR BLOWER ELECTRIC HAND DRYER		STA STC STD	STATION SOUND TRANSMISSION CLASS STANDARD
CIP CIP	CORNER GUARD CAST-IN-PLACE		EHD EIFS	ELECTRIC HAND DRYER EVICENCE INC. II ATMIC ENIGH SYSTEM		STD	
CR			EI	EXTERIOR INSULATING FINISH SYSTEM EXPANSION JOINT		STOR	STORAGE
CJ	CONTROL JOINT CELLING CENTIMETER CONCRETE MASONRY UNIT		ELEC	ELEVATION (GRADE) ELECTRICAL		STRU SUSP SYM	STORAGE STRUCTURE OR STRUCTURAL SUSPENDED OR SUSPENSION
CMU	CENTIMETER CONCRETE MASONRY UNIT		EQ EQ	EQUAL EQUIPMENT		SYN	SYNTHETIC
						SYS	SYSTEM
CONC CONST CONT CORR	CONCRETE CONSTRUCTION CONTINUOUS CORRIDOR		EW EWC EXP EXIST	EACH WAY ELECTRIC WATER COOLER EXPANSION OR EXPOSED EXISTING	1	т	TREAD OR TOP
CONT	CORRIDOR		EXIST	EXPANSION OR EXPOSED EXISTING		TRI	TOWEL BAR TOP OF BRICK LEDGE
			EXT EXTD	EXTERIOR EXTRIDED		T&B TC	TOP AND BOTTOM TOP OF CURB
CSK CT	COUNTERSINK OR COUNTERSUNK CERAMIC TILE					TD	TRENCH DRAIN
D D	DEPTH OR DEEP		м	METER		TEL TERR	TELEPHONE TERRAZZO
D D DBL DEG	DOUBLE DEGIRE DEMOLITION	M	M MACH MAS MATL	MACHINE MASONRY MATERIAL		T&G THK	TONGUE & GROOVE THICK OR THICKNESS THROUGH
DEMO	DEMOLITION		MAT'L	MATERIAL		THRU	THROUGH
DTL DF	DETAIL DRINKING FOLINTAIN		MAX	MAXIMUM MICE AND RECORD HICKORY		TLT TOC	TOLET TOR OF CONCRETE
DIA	DIAMETER		MER	MODIFIED BITUMEN ROOFING MEDICINE CABINET MECHANICAL MEMBRANE MANUFACTURER		TOD TOF TOI	TOP OF DECK TOP OF FOOTING TOP OF INSULATION
DN DP	DOWN DAMPPROOFING		MEMB MFR	MEMBRANE		TOI	TOP OF INSULATION
DR	DOOR		MH			TOJ	TOLERANCE
DS DTI	DOWNSPOUT		MN			TOP	TOP OF PARAPET TOP OF STEEL
DW DWG	DISHWASHER DRAWING DRAWER		MR-G MLD MM	MIRROR-FRAMED EDGE MIRROR-GLASS EDGE MOULDING MILLIMETER		TOW	TOP OF WALL
DWG	DRAWER		MM	MILLIMETER		TPH TR	TOILET PAPER HOLDER TELEPHONE RECEPTACLE
			MO MS	MASONRY OPENING		TS TELE	TOP OF SLAB
E EA	EAST EACH		MTD MTG	MOUNTED		TTB	TERMINAL BOARD
EHB EHD	ELECTRIC HAIR BLOWER ELECTRIC HAND DRYER		MTG	MOUNTED MOUNTING METAL		TV TYP	TERMINAL BOARD TELEVISION TYPICAL
EIFS F.I	EXTERIOR INSULATING FINISH SYSTEM EXPANSION JOINT						
E)	EXPANSION JOINT ELEVATION (GRADE) ELECTRICAL	N	N NCOM	NUKTH NONCOMBUSTIBLE	ι	J UCL ULAY UNO	UNUER CABINET LIGHT UNDERLAYMENT
ELEC EQ			NIC NOM	NORTH NONCOMBUSTIBLE NOT IN CONTRACT NOMINAL		UNO	UNDER CABINET LIGHT UNDERLAYMENT UNLESS NOTED OTHERWISE URNAL
			NPS				
ETS EW	EXPUSED TO STRUCTURE EACH WAY		NTS	NOT TO SCALE	١	/ VB	VAPOR BARRIER VINYL COMPOSITION TILE VERTICAL
ETS EW EWC EXP	EXPOSED TO STRUCTURE EACH WAY ELECTRIC WATER COOLER EXPANSION OR EXPOSED	0	00	ON CENTER		VERT	VERTICAL
		9	OD OFCI OFD	OUTSIDE DIAMETER OWNER FURNISHED/ CONTRACTOR INSTALLED OVERFLOW DRAIN		VP VS	VENT PIPE VENT SHAFT
EXT	EXTERIOR EXTRUDED					VT	VINYL TILE VINYL WALLCOVERING
			OH			TWO	THE TIALLOUVENING
F FD	FLOOR DRAIN FIRE EXTINGUISHER		OPG OPP	OPENINE OR OVERVIEW OPENINE OPTION OR OPTIONAL		w w	WEST OR WIDE OR WIDTH
FEC	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER (NO CABINET)		OPT		V	V w	WITH
FEX FFA FFE	FIRE EXTINGUISHER (NO CABINET) FURNITURE, FIXTURES & ACCESSORIES FURNITURE, FIXTURES & EQUIPMENT	Р	PC	PRECAST		WB	WIND BRACE OR BRACING WATER CLOSET
FFE	FURNITURE, FIXTURES & EQUIPMENT FINISHED FLOOR	-	PCEM PA PCF	PORTLAND CEMENT PUBLIC ADDRESS SYSTEM POUNDS PER CUBIC FOOT		WCOT	WANSOOT WOOD
FF FHC	FINSHED FLOOR FIRE HOSE CABINET		PCF PI				
FIN FLR	FINISH FLOOR		PL PLAM			WH WO WID	WINDOW OPENING
FLUOR	FLUORESCENT FIREPROOFING		PLTR PLBG PLF	LASTER LASTER PLUMBING POUNDS PER LINEAR FOOT			WEDOW WEDHOLE WINDOW OPENING WITHOUT WATERPROOFING
FP FR EDD	FIREPROOFING FIRE RETARDANT/FIRE RESISTIVE DISCOULAGE DEMONSTOR ON VALED						
FRP FT FTG	FIRE RETARDANT/ FIRE RESISTIVE FIBERGLASS REINFORCED POLYMER FOOT/ FEET					WIR WS WT WWF	WATER RESISTIVE OR RESISTANT WEATHERSTRIPPING
FTG FURN FV	FURNITURE		PNT POL PR	PANEL PANT OR PAINTED POLISHED PAR POLISHED		WWF	WEIGHT WELDED WIRE FABRIC
FV	DIELD VEDIEV		PR PSF	PAIR POUNDS PER SQUARE FOOT			YARD
FWC FPHB	FABRIC WALL COVERING FREEZE-PROOF HOSE BIBB		PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	١	" "	INIW
			PT PTD	POINT PAPER TOWEL DISPENSER			
G GALV GB GFRC GFRG	GAUGE GALVANIZED		PTD/WR PTM	PAPER TOWEL DISPENSER WASTE RECEPTACLE PATCH TO MATCH PARTITION			
GB	GALVANIZED GRAB BAR GLASS FIBER REINFORCED CONORETE		PTN	PARTITION POLYWAY CHIORIDE			
	GLASS FIBER REINFORCED GYPSUM		PVC PVMT	PAVEMENT			
GL GND	GLASS FIBER REINFORCED GYPSUM GLASS GROUND		PWD	PLYW000			
	CRACE	۵	QT QTR	QUARRYTILE QUARTER			
GYP GYP BD	GYPSUM GYPSUM BOARD	-	QTY	QUANTITY			
		-	R	RADIUS OR RISER			
H HB	HIGH Under Bidd	R	R RA	RADIUS OR RISER RETURN AIR REFLECTED CEILING PLAN ROOF DRAIN			
HC HC	HOSE BIBB HOLLOW CORE		RCP RD	REFLECTED CEILING PLAN ROOF DRAIN			
HD HBD	HOLD HARDBOARD						
MOTE T			REFL REG	REFLECTED REGISTER			
HDR HDW	HEADER HARDWARE HARDWOOD HOLLOW METAL		REINF REQ	REINFORCEMENT REQUIRED			
HDWD	HARDWOOD HOLLOW METAL				= EQUAL		& AND ' FOOT OR FEET
HM			ricV	nevenoe	- EQUAL	MNIIC	I ANGLE (DIGUT) * INCH
HM HOR			RH	NUBE HUUK	± PLUS U		
HM	HORIZONTAL HIGH PRESSURE LAMINATE HOUR HEIGHT HEATING, VENTILATION & AIR CONDITIONING		REV RH RM RO	REVERSE ROSE HOOK ROOM ROUGH OPENING	# PLUS OF # POUND x TIMES	R MINUS OR NUMBER ES	L ANGLE (RIGHT) " INCH L ANGLE (ACUTE) - MINUS (8 AT + PLUS CL CENTERLINE



SETBACK AND DEVELOPMENT REGULATIONS:

	AR-1-1 REQUIREMENTS	PROPOSED
MAX PERMITTED DENSITY:	1	NIA*
MIN LOT AREA:	10 ACRES	3,95 ACRES (172,480 SF)
MIN LOT DIMENSIONS: WIGH STREET PRONTAGE LOT DEPTH	2007 2007 2007	280' NIA 616'
SETBACK REQUIREMENTS: PRONT SIDE REAR	25° 20° 25°	NIA 20' NIA
MAX. STRUCTURAL HEIGHT:	30' NOTE: ADDITIONAL HEIGHT ALLOWED PER SOMC 131 0344 F THE PRONT, SIDE, AND REAR SETBACKS ARE EACH INCREASED BY 10 FT FOR EACH 10 FT OF STRUCTURE HEIGHT ABOVE 30 FT.	40'
MAX. LOT COVERAGE:	10%	*20% (34,525 SF BUILDING PAD
MIN. FLOOR AREA:	APPLIES (650 SF MIN FLOOR AREA PER DU)	NA
REFUSE AND MATERIAL STORAGE:	APPLIES	COMPLIES
VISIBLITY AREA:	APPLIES	COMPLIES

* DOES NOT COMPLY. SEE CONDITIONAL USE PERMIT APPLICATION.

UNIT BREAKDOWNS:

MEMORY CARE:			AS	SISTED LIVING:		
UNIT TYPE	COUNT	MIN MAX AREA] [UNIT TYPE	COUNT	MIN MAX AREA
MEMORY CARE			Ш			
DOUBLE	2	360 SF 584 SF	1 1	ASSISTED LIVING		
SINGLE	16	359 SF 360 SF	1 1	BED	4	621 SF 768 SF
L1	18	•	1 1	BED	2	900 SF 953 SF
MEMORY CARE	18		li	STUDIO	5	432 SF 471 SF
			. 1	.1	11	
			- 1	BED	126	569 SF 973 SF
				BED	6	900 SF 1.119 SF
				TUDIO	5	432 SF 441 SF
			- 6	2	37	432 OF 441 OF
			ľ	- 4	37	
			- 1	BED	27	579 SF 973 SF
				BED	7	893 SF 1,124 SF
			- 6	TUDIO	5	432 SF 441 SF
			- 1	. 3	39	•
			- 1	ASSISTED LIVING	87	
			- 1	TOTAL UNITS	105	

PARKING SUMN	IARY									
PARKING REQUIREMENTS PER SAM DIEGO MUNICIPAL CODE (SDMC) UNDER INTERMIDIATE CARE FACILITIES REQUIREMENTS										
ASSISTED LIVING	34 SPACES 72 1BDISTUDIOS + 15 2BD = 87 LINITS (102 BEDS) (1 SPACES PER BED PER SDMC TABLE 142-05G)									
MEMORY CARE	7 SPACES 16 SNGLES + 2 DOUBLES = 18 UNITS (20 BEDS) (1 SPACES PER BED PER SDMC TABLE 142-05G)									
TOTAL	41 SPACES REQUIRED									
PARKING PROVIDED										
TOTAL	61 SPACES (NCLIDEG 2 STANDARDACCSSSRLE STALIS AND 1 VAN ACCSSSRLE STALI)									
SHORT TERM BICYCLE PARKING	12 SPACES PROVIDED 11 SPACES REQUIRER SOME SECTION 10 SESSIFICITION									
LONG TERMINICICLE PARKING	4 SPACES PROVIDED 4 SPACES PROVIDED SOME SECTION 143 (SSD)E(Z)(A)									
MOTORCYCLE PARKING	2 SPACES PROVIDED 2 SPACES PROVIDED SOME SECTION 142 SBOP)									
ACCESSIBLE PARKING	2 SFACES PROVIDED 2 SFACES PROVIDED CALFORNIA BUILDING CODE (CRC) SECTION 119-208-AND TABLE 119-208-2									
CARPOOLAND 25RD EMISSION PREXING	6 DESIGNATED FOR CARPOOL 6 DESIGNATED FIRSTING SPACES FOR CARPOOL AND 25 FO 6 DESIGNATURE (CLES PEQT) FOR SOME SECTION 102 (SEE(S))									
SLECTRIC VEHICLE CHARGING STATONS	45Y-CHARLE SPACES PROVIDED 45FACES REQUIRER CALFORNIA GREEN BUILDING CODE (COSC) TABLE 5-105-5.13									
LOIDING AREA	1 SPACES PROVIDED (NOT INCLUDED IN TOTAL PARKING) 1 SPACES REQUIRER SOME SECTION 142 1010 AND TABLE 142-158									
SEE SHEET A 101 FOR PI	RING LOCKTONS MIC ONDISIONAL REQUIREMENTS									

CALLISONRTKE

CallisonRTKL Inc.
333 S. HOPE STREET, C-200
LOS ANGELES, CA 90071
Tel: TelL: 213-8336000
Fax: FAX: 213-8336060

Project No: 040-200022.00

EL CAMINO REAL SENIOR LIVING

Client/Owner/Project Address
PMB CARMEL VALLEY LLC
3394 CARMEL MOUNTAIN ROAD
SUITE 200

REV #	DATE (MM.DD.YY)	ISSUE NAME
_		
_		
_		
_		
_		
_		
_		

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

PROJECT INFORMATION

G-001 SHEET NO. 2 OF 25

Appendix B St. John Church TIS Traffic Counts

Intersection Turning Movement Prepared by:

National Data & Surveying Services

Project ID: CA12_4069_009 Day: THURSDAY

City: City of San Diego Date: 02/23/2012 AM

_						А	VI						
NS/EW Streets:	EI (Camino Re	al	El Camino Real			Sai	n Dieguito	Rd	San			
•	NORTHBOUND			SC	DUTHBOUN	ID		EASTBOUN	ID	W			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	1	2	0	1	2	0	0	0	0	2	0	1	
7:00 AM		15	21	32	71					58		54	251
7:15 AM		41	38	36	168					105		81	469
7:30 AM		59	37	47	140					104		79	466
7:45 AM		46	45	46	127					96		66	426
8:00 AM		59	48	56	72					77		68	380
8:15 AM		47	62	64	76					103		90	442
8:30 AM		46	58	50	71					77		99	401
8:45 AM		51	53	55	67					74		94	394
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	364	362	386	792	0	0	0	0	694	0	631	3229
APPROACH %'s:	0.00%	50.14%	49.86%	32.77%	67.23%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	52.38%	0.00%	47.62%	l
PEAK HR START TIME :	715	AM											TOTAL
PEAK HR VOL :	0	205	168	185	507	0	0	0	0	382	0	294	1741
PEAK HR FACTOR:		0.871			0.848			0.000			0.909		0.928

CONTROL: Signalized

Intersection Turning Movement Prepared by:

National Data & Surveying Services

Project ID: CA12_4069_009 Day: THURSDAY

City: City of San Diego Date: 02/23/2012 ΡМ

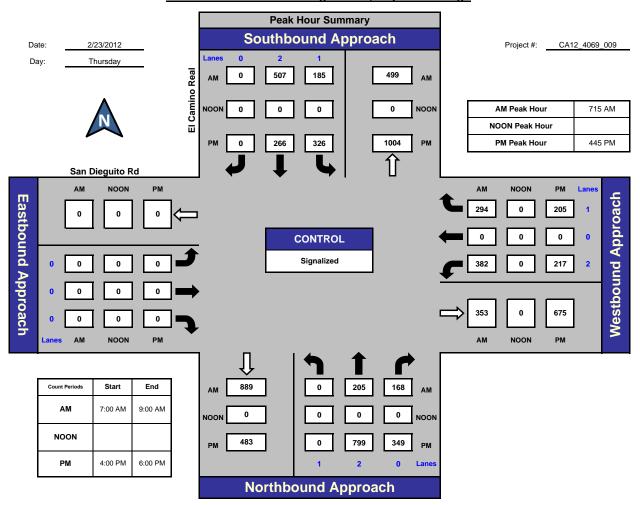
							IVI						
NS/EW Streets:	EI (Camino Re	eal	El Camino Real			Sar	n Dieguito	Rd	San			
	NO	ORTHBOUI	ND	SOUTHBOUND			-	EASTBOUN	ID	W	'ESTBOUN	ID	
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	1	2	0	1	2	0	0	0	0	2	0	1	
4:00 PM		102	39	53	34					65		50	343
4:15 PM		107	59	67	63					49		63	408
4:30 PM		179	55	66	70					56		64	490
4:45 PM		173	69	84	66					59		44	495
5:00 PM		212	98	79	68					57		60	574
5:15 PM		231	106	74	68					43		57	579
5:30 PM		183	76	89	64					58		44	514
5:45 PM		161	71	68	70					52		47	469
T	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES:	0	1348	573	580	503	0	0	0	0	439	0	429	3872
APPROACH %'s:	0.00%	70.17%	29.83%	53.55%	46.45%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	50.58%	0.00%	49.42%	
PEAK HR START TIME :	445	PM											TOTAL
PEAK HR VOL :	0	799	349	326	266	0	0	0	0	217	0	205	2162
PEAK HR FACTOR :		0.852			0.967			0.000			0.902		0.934

CONTROL: Signalized

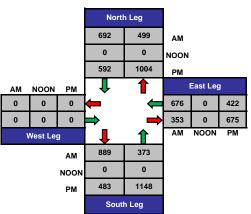
ITM Peak Hour Summary



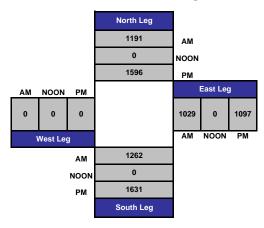
El Camino Real and San Dieguito Rd , City of San Diego







Total Volume Per Leg



Intersection Turning Movement Prepared by:

National Data & Surveying Services

Project ID: CA12_4069_010 Day: THURSDAY

City: City of San Diego Date: 02/23/2012 AM

_						A	IVI						
NS/EW Streets:	EI (Camino Re	al	El Camino Real			Se	a Country	Ln	Sea	Country	Ln	
	NO	ORTHBOU	ND	SC	OUTHBOUN	ID		EASTBOUN	ID	W			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	2	0	1	2	0	0	0	0	0	1	0	
7:00 AM		34	2	0	116					1		2	155
7:15 AM		82	0	1	273					5		1	362
7:30 AM		97	3	1	239					12		2	354
7:45 AM		82	2	0	242					4		1	331
8:00 AM		118	2	1	150					6		0	277
8:15 AM		103	1	2	171					4		3	284
8:30 AM		103	2	0	146					4		1	256
8:45 AM		103	5	1	144					1		2	256
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	722	17	6	1481	0	0	0	0	37	0	12	2275
APPROACH %'s:	0.00%	97.70%	2.30%	0.40%	99.60%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	75.51%	0.00%	24.49%	
PEAK HR START TIME :	715	AM											TOTAL
PEAK HR VOL :	0	379	7	3	904	0	0	0	0	27	0	4	1324
PEAK HR FACTOR :		0.804			0.828			0.000			0.554		0.914

CONTROL: 1-Way Stop (WB)

Intersection Turning Movement Prepared by:

National Data & Surveying Services

Project ID: CA12_4069_010 Day: THURSDAY

City: City of San Diego Date: 02/23/2012 ΡМ

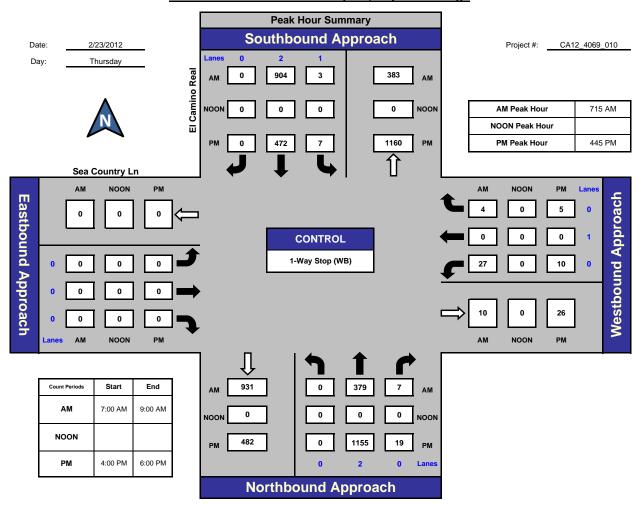
_							•						
NS/EW Streets:	EI (Camino Re	al	El Camino Real			Se	a Country	Ln	Sea			
	NO	ORTHBOU	ND .	SC	DUTHBOUN	ID	I	EASTBOUN	ID	W	'ESTBOUN	ID	
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	2	0	1	2	0	0	0	0	0	1	0	
4:00 PM		141	8	0	90					4		1	244
4:15 PM		181	1	1	102					2		1	288
4:30 PM		205	4	0	143					2		1	355
4:45 PM		268	5	1	122					2		2	400
5:00 PM		292	7	2	115					2		2	420
5:15 PM		340	5	1	116					3		0	465
5:30 PM		255	2	3	119					3		1	383
5:45 PM		221	8	3	126					5		0	363
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES:	0	1903	40	11	933	0	0	0	0	23	0	8	2918
APPROACH %'s:	0.00%	97.94%	2.06%	1.17%	98.83%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	74.19%	0.00%	25.81%	
PEAK HR START TIME :	445	PM											TOTAL
PEAK HR VOL:	0	1155	19	7	472	0	0	0	0	10	0	5	1668
PEAK HR VOL :	U	1100	17	,	472	U	U	U	U	10	U	5	1008
PEAK HR FACTOR :		0.851			0.974			0.000			0.938		0.897

CONTROL: 1-Way Stop (WB)

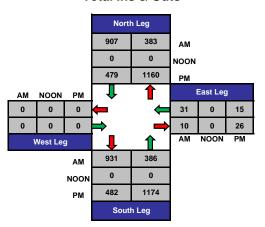
ITM Peak Hour Summary



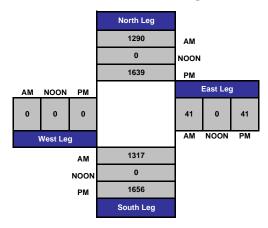
El Camino Real and Sea Country Ln, City of San Diego

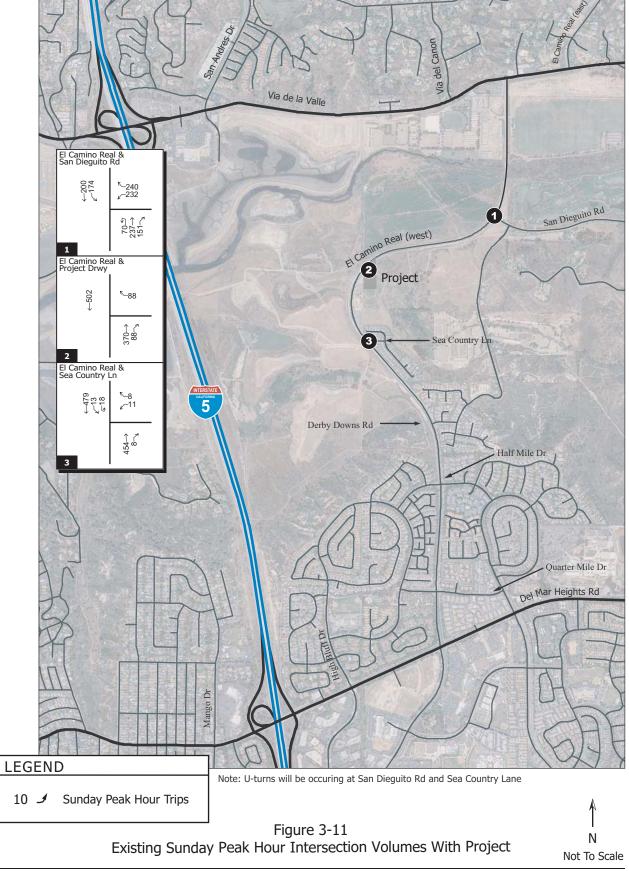


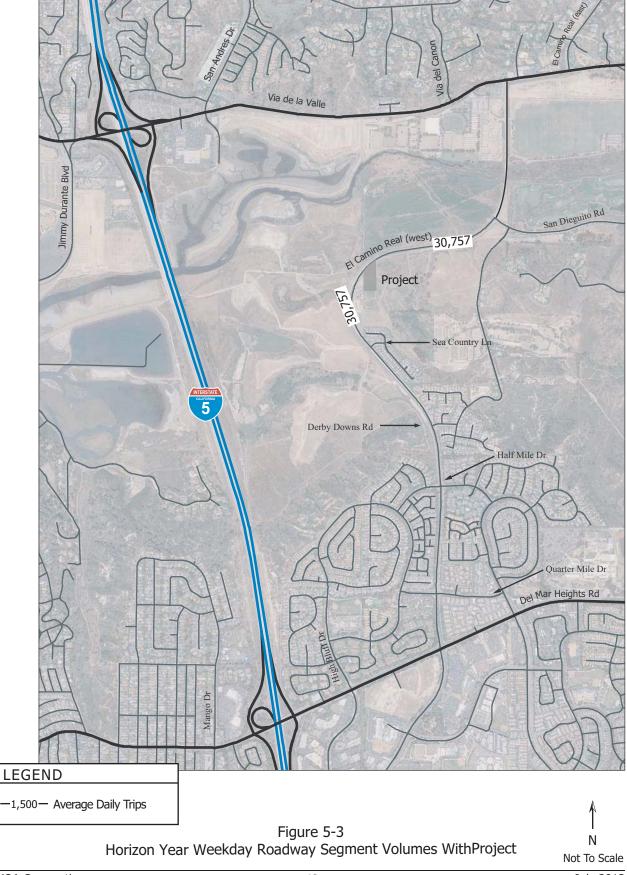


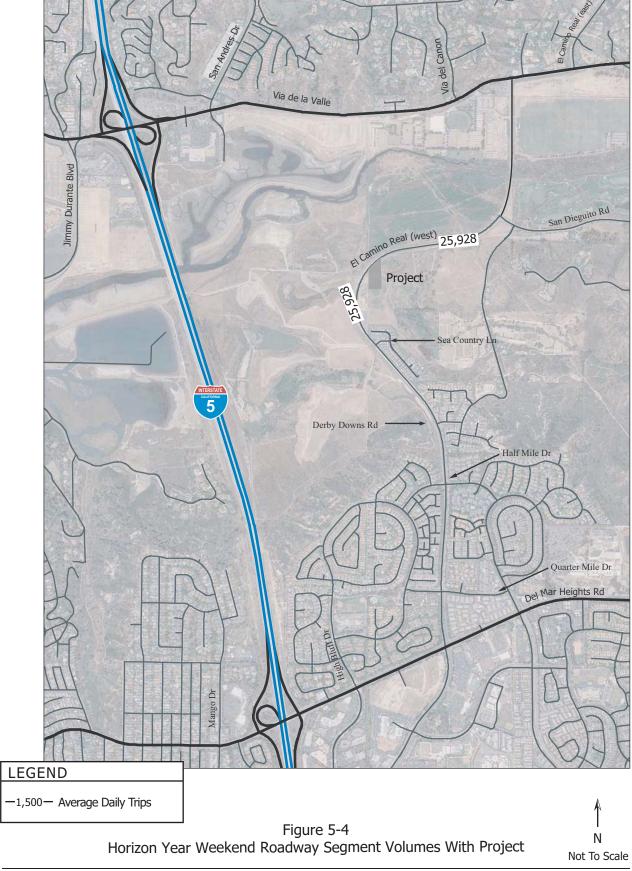


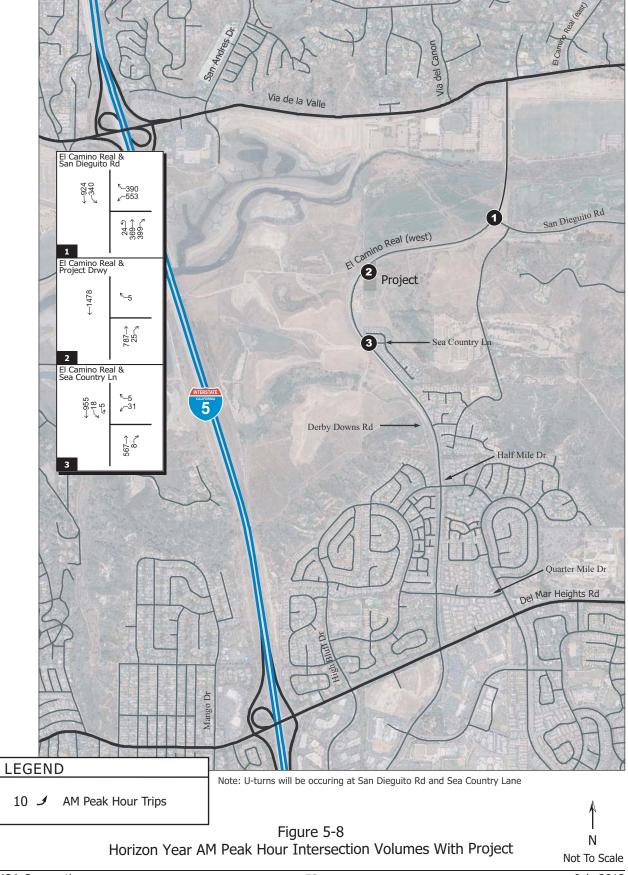
Total Volume Per Leg

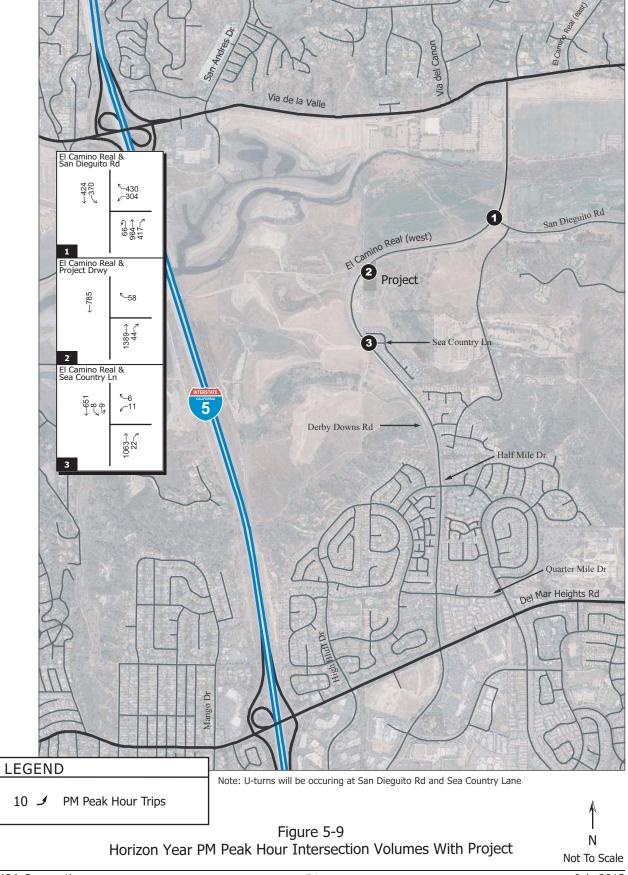


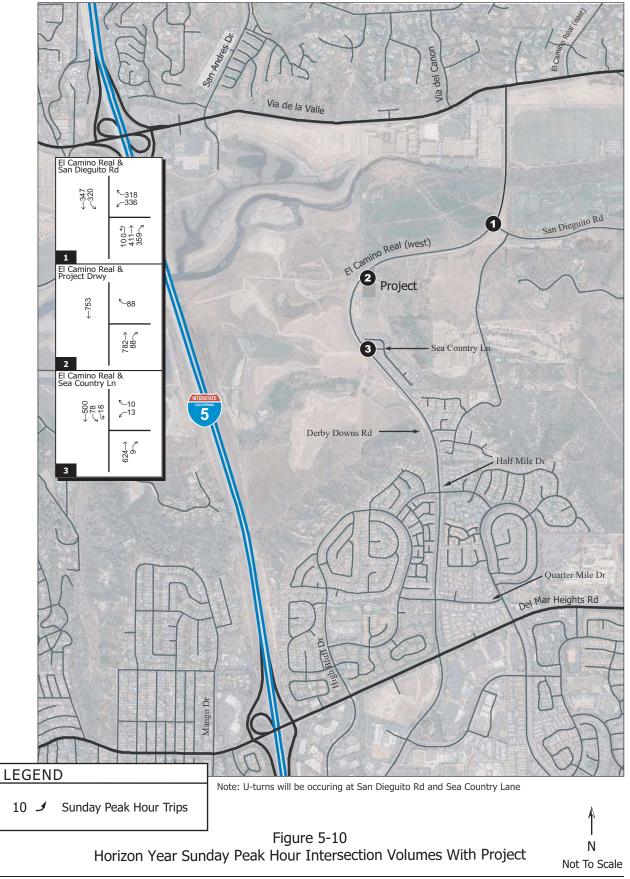












Appendix C Signal Timing Sheets

	Group	Assignment:	MINO F	REAL &	SAN DIE	GUITO	THE RESERVE OF THE PERSON NAMED IN	*E10 :			will be accompany			3 P	gra
Fi		Assignment:					N/S S	El Camino I			Last Data	base Change	e :	-	- /
Syst		nce Number:					E/VV Street	San Dieguit	o Rd		-				
Syst	ioni noioro		El Camino Re	val			FI C				lim	ing sheets b			
			-i Caillillo Re	aı	DI		El Camino R	ear S	an Dieguite	o Ra	-	Approved by			
hase Num	nhers>	1	2	3	4	hase 5	6	7		SE	Timing im	plemented or	10/5/2010		
Trado Train	10070	Committee a second		(Carlos) of Artistant	- Control - Control	3	0	7	8	9.00		The same			P. S. Ten Co.
						4	4		l î			E			-
		*							1						
Ped Walk	<		7						7	=	RR-1 Delay		Permit	12	56 8
Ped FDW	1		15						18	7	RR-1 Clear		Red Lock		00_0
Min Gree	n	4	7			4	7		4	-	EV-A Delay	0	Yellow Lock		
Type 3 Di	isconnect									-	EV-A Clear	0	Min Recall		
Added pe	er Vehicle						+			-					
Veh Exter		2.0	5.6			2.0	5.6	-	2.0	-	EV-B Delay	<u> </u>	Ped Recall	14. 美名物类类类型	
Max Gap		2.0	5.6		-	-			1000	-	EV-B Clear		View Set Peds	A HEALT STATE	
						2.0	5.6		2.0	-	EV-C Delay	0	Rest In Walk		
Min Gap		2.0	0.2			2.0	0.2		2.0		EV-C Clear	0	Red Rest		
Max Limit		30	60			30	60		40	4	EV-D Delay	0	Double Entry		
Max Limit	2										EV-D Clear	0	Max Recall		
Adv. / Del	lay Walk										RR-2 Delay		Soft Recall	_2_	6
PE Min Pe	ed FDW										RR-2 Clear		Max 2		
Cond Ser	v Check										View EV Delay		Cond. Service		
Reduce E	very		0.6				0.6			1	View EV Clear		Man Cntrl Calls		
Yellow Ch	nange	3.4	4.9			3.4	4.3		3.9	1	View RR Delay		Yellow Start	2	6
Red Clear	-	1.0	1.0			1.0	1.0		1.0	-	View RR Clear		A STATE OF THE STA		
	- 4		Phase Ti	mine D	and d	02/5/5			1.0	_ 1			First Phases		8
Current C	alculated C	cycle Length:		illing - b	alik i	\r/ITPIIa	se+Row>			Preem	ot Timing <	F/1+E+Row>	Phase Function	ons <	F/1+F+F
Juli Citt Ci	alculated C	ycie Lengin. 9	A	В	С	D	7	Drop Number		11	10/0:0:0		/O	and the last	
		SHIPM FACES WITH THE SAME SAME SAME			Community of the Community		4	Zone Number		-	<c 0+0+0=""> <c 0+0+1=""></c></c>		(Outputs specified in A E/127+A+E & F)	ssignable C	outputs at
							1	Area Number			<c 0+0+1=""></c>		Exclusive Walk	0	
Phase 1							-			1	<c 0+0+3=""></c>	Manual Plan	Exclusive FDW	0	
								Area Address		- 1					
Phase 2 Phase 3							1	Area Address QuicNet Char		-	(QuicNet)	0 = Automatic	All Red Clear)
Phase 2 Phase 3 Phase 4									nnel		(QuicNet)	1-9 = Plan 1-9	All Red Clear Exclusive Ped	0.0)]
Phase 2 Phase 3 Phase 4 Phase 5								QuicNet Char	nnel		(QuicNet)		All Red Clear Exclusive Ped	0.0)
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6								QuicNet Char	nnel		(QuicNet)	1-9 = Plan 1-9 14 = Free 15 = Flash		0.0)
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7							-	QuicNet Char Communic Flash Start Red Revert	nnel cation Ad	dresses	(QuicNet)	1-9 = Plan 1-9 14 = Free		0.0	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8							-	QuicNet Char Communic Flash Start Red Revert All Red Start	onnel 0 5.0 0.0	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A	Exclusive Ped	Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial							-	QuicNet Char Communic Flash Start Red Revert	onnel 0 5.0 0.0	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat	te Walk						-	QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat	te Walk nate FDW						-	QuicNet Char Communic Flash Start Red Revert All Red Start	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat Altern	te Walk nate FDW ernate Initia							QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat Alternat	te Walk nate FDW ernate Initia Alternate E	xtension						QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat Altern	te Walk nate FDW ernate Initia	xtension	<f 1+colu<="" td=""><td>mn+Phase</td><td>9></td><td></td><td></td><td>QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev</td><td>onel cation Ad 0 5.0 0.0 ert Times</td><td><pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre></td><td>(QuicNet) E> F></td><td>1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B</td><td>Exclusive Ped Manual Plan Manual Offset</td><td>0.0 Phase</td><td></td></f>	mn+Phase	9>			QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat Altern	te Walk nate FDW ernate Initia Alternate E	xtension Timing						QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
Phase 2 Phase 3 Phase 4 Phase 5 Phase 6 Phase 7 Phase 8 Max Initial Alternat Alternat	te Walk nate FDW ernate Initia Alternate E	xtension Timing	<f 1+colu<="" td=""><td></td><td>How to Set P</td><td>-</td><td>Code:</td><td>QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev</td><td>onel cation Ad 0 5.0 0.0 ert Times</td><td><pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre></td><td>(QuicNet) E> F></td><td>1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B</td><td>Exclusive Ped Manual Plan Manual Offset</td><td>0.0 Phase</td><td></td></f>		How to Set P	-	Code:	QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	
hase 2 hase 3 hase 4 hase 5 hase 6 hase 7 hase 8 lax Initial Alternat Alter	te Walk nate FDW ernate Initia Alternate E	xtension Timing				F=1	Code:	QuicNet Char Communic Flash Start Red Revert All Red Start Start / Rev	onel cation Ad 0 5.0 0.0 ert Times	<pre><f 1+0+="" 1+c+<="" <f="" pre=""></f></pre>	(QuicNet) E> F>	1-9 = Plan 1-9 14 = Free 15 = Flash Manual Offset 0 = Automatic 1 = Offset A 2 = Offset B	Exclusive Ped Manual Plan Manual Offset	0.0 Phase	

TION: EL CAMINO REAL & SAN DIEGUITO RD

233 Pro

Overlap									
	1	2	3	4	5	6	7	8	
W									
Load Switch Number									
Load Switch Number Veh Set 1 - Phases									
Veh Set 2 - Phases Veh Set 3 - Phases									
Veh Set 3 - Phases									
Neg Veh Phases									
Neg Ped Phases									
Green Omit Phases	1								
Green Clear Omit Phs.									
							K		
Green Clear									
Yellow Change									
Red Clear									

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	
Start-up Ped Calls	
O : 1	

Overlap Assignments

_	_		_		
n	^	~	2	In	

<F/2+F+Row>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2_5
В	EV-B Phases	
C	EV-C Phases	16
D	EV-D Phases	8
E	Extra 1 Config. Bits	1_345
F	IC Select (Interconnect)	2

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	_2
Ped for 6P Output	
Ped for 4P Output	
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	
Configuration	-E/125+E+D

	C
EV-A	
EV-B	
EV-C	
EV-D	
RR-1 *	
RR-2 *	
SE-1	0
SE-2	0

Preemption Priority (* RR-1 is always Highest, and RR-2 is always Second Highest)

	Row	
	0	
	1	
5	2	
	3	
	4	
	1 2 3 4 5 6 7 8 9	
	6	
0	7	
1,00	8	
	9	
9.7	Α	
	B C D	
	С	
10	D	
	E F	
100	F	-

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
hase 5	0	5
hase 6	0	6
hase 7	0	7
hase 8	0	8
<c 5+2+f<="" td=""><td>Row></td><td>9</td></c>	Row>	9
		A
Coordin	ation	В
Transit	С	
Minimu	ıms	D
		E
		F

Configuration <E/125+E+Row>

Extra 1 Flags	IC Select Flags
1 = TBC Type 1	1 =
2 = NEMA Ext. Coord	2 = Modem
3 = Auto Daylight Savings	3 = 7-Wire Slave
4 = EV Advance	4 = Flash / Free
5 = Extended Status	5 =
= International Red	6 - Cimpley Moster

i = International Ped	6 = Simplex Master
= Flash - Clear Outputs	7 = 7-Wire Master
= Split Ring	8 = Offset Interrupte

i ca for or output	
Ped for 4P Output	
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	
Configuration	<e 125+f+row=""></e>
Extra 2 Flags	Flash to PE &
1 = AWB During Initial	PE Non-Lock

Extra 2 Flags	Flash t	OPE&
1 = AWB During Initial	PE No	n-Lock
2 = LMU installed	1 = EV A	5 = RR 1
3 = Disable Min Walk	2 = EV B	6 = RR 2
4 = QuicNet/4 System	3 = EV C	7 = SE 1
5 = Ignore P/P on EV	4 = EV D	8 = SE 2
6 =		

7 = Reserved

8-0	Hour.	Minute.	Day-of-Week
			,

8-1 Day-of-Month, Year, Month

8-F Seconds

Time and Date

Begin Month	0	<c 5+2+a=""></c>
Begin Week	0	<c 5+2+b=""></c>
End Month	0	<c 5+2+c=""></c>
End Week	0	<c 5+2+d=""></c>

Daylight Savings Time

Daylight Savings Date: If set to all zeros, standard dates will be used.

233 Pre ram CTION: EL CAMINO REAL & SAN DIEGUITO R 0 2 3 1 3 Ped / Phase / Overlap C1 Pin Carry-1 2 3 4 5 8 Row Numbe Attributes Phase(s) Assign Delay Over Row Detector Name Walk 0 0 212U 39 1.8 Program Type: Don't Walk 1 1 **6J2U** 40 1.8 Phase Green 2 2 41 Phase Yellow 3 3 8J6U 42 10.0 4 Phase Red 4 212L 43 1.8 Overlap Green 5 5 6J2L 44 1.8 Overlap Yellow 6 6 45 7 Overlap Red 7 46 Redirect Phase Outputs <E/127+Column+Row> 8 47 9 48 Row D A 49 Cabinet Type 0 0 B 50 <E/125+D+0> Output Port 1 1 C 55 **Enable Redirection** Output Port 2 2 D (Enable Redirection = 30) 56 Output Port 3 3 E 57 Output Port 4 4 F 5 58 Max OFF (minutes) 20 <D/0+0+1> Output Port 5 6 Max ON (minutes) 60 <D/0+0+2> Output Port 6 4 5 6 7 2 4 **Detector Failure Monitor** Output Port 7 7 C1 Pin Carry-Dimming <E/125+D+Row> Number Attributes Phase(s) Delay Row Detector Name Assign Over **Detector Attributes** D 1 = Full Time Delay 0 59 Number of Digits B Row 2 = Ped Call 1 60 DELAY-A 1 st Digit 1 A 3 = 2 61 4 = Count 2 ed Digit DELAY-B 1 B Disable Alarms 5 = Extension 3 62 1 = Stop Time 3 ed Digit DELAY-C C 0 6 = Type 3 2 = Flash Sense 4 213U 63 7 = Calling 1.8 DELAY-D 4 th Digit D 0 3 = Keyboard Entry 8 = Alternate 5 **6J3U** 64 1.8 5 th Digit 4 = Manual Plan E DELAY-E 0 5 = Police Control 6 65 6 th Digit DELAY-F F 0 6 = External Alarm 7 66 7 = Detector Failure 7 th Digit <D/0+B+Row> (seconds) 8 = 8 67 Det. Assignments 8 th Digit **Delay Logic Times** 9 68 1 = Det. Set 1 9 th Digit 2 = Det. Set 2 A 69 10 th Digit Omit Alarm #NAME? 3 = Det. Set 3 B 70 11 th Digit <C/5+F+0> 5= C 76 12 th Digit Disable Alarm Reporting 6 = Failure - Min Recall D 7 = Failure - Max Recall 77 13 th Digit 8 = Report on Failure E 78 14 th Digit 0 <C/5+C+0> Time F 79 15 th Digit <C/5+D+Row> Redial Time (minutes) **Detector Assignments** <E/126+Column+Row> <D/0+Column+Row> Dial-Back Telephone Number (View Redial Timer at E/2+D+6)

Column 9	Column A	Column B	Column C	Column D	Column E	Column F	
Spec. Funct. 1	NOT-3	Max 2	Pretimed	Set Monday	Dial 2 (7-Wire)	Sim Term	
Spec. Funct. 2	NOT-4	System Det 1	Plan 1	Ext. Perm 1	Dial 3 (7-Wire)	EV-A	
Spec. Funct. 3	OR-4 (a)	System Det 2	Plan 2	Ext. Perm 2	Offset 1 (7-Wire)	EV-B	\dashv
Spec. Funct. 4	OR-4 (b)	System Det 3	Plan 3	Dimming	Offset 2 (7-Wire)	EV-C	
NAND-3 (a)	OR-5 (a)	System Det 4	Plan 4	Set Clock	Offset 3 (7-Wire)	EV-D	
NAND-3 (b)	OR-5 (b)	System Det 5	Plan 5	Stop Time	Free (7-Wire)	RR-1	
NAND-4 (a)	OR-6 (a)	System Det 6	Plan 6	Flash Sense	81 Flash (7-Wire)	RR-2	
NAND-4 (b)	OR-6 (b)	System Det 7	Plan 7	Manual Enable	Excl. Ped Omit	Spec. Event 1	
OR-7 (a)	Fig 3 Diamond	System Det 8	Plan 8	Man. Advance	NOT-1	Spec. Event 2	
OR-7 (b)	Fig 4 Diamond	Max Inhibit (nema)	Plan 9	External Alarm	NOT-2	External Lag	
OR-7 (c)	AND-4 (a)	Force A (nema)	DELAY-A	Phase Bank 2	OR-1 (a)	AND-1 (a)	-
OR-7 (d)	AND-4 (b)	Force B (nema)	DELAY-B	Phase Bank 3	OR-1 (b)	AND-1 (b)	
OR-8 (a)	NAND-1 (a)	C.N.A. (nema)	DELAY-C	Overlap Set 2	OR-2 (a)	AND-2 (a)	\dashv
OR-8 (b)	NAND-1 (b)	Hold (nema)	DELAY-D	Overlap Set 3	OR-2 (b)	AND-2 (b)	\dashv
OR-8 (c)	NAND-2 (a)	Max Recall	DELAY-E	Detector Set 2	OR-3 (a)	AND-3 (a)	
OR-8 (d)	NAND-2 (b)	Min Recall	DELAY-F	Detector Set 3	OR-3 (b)	AND-3 (b)	

Assignable Inputs

<E/126+Column+Row>

Column 9	Column A	Column B	Column C	Column D	Column E	Column F	SEC.
Phase ON - 1	Preempt Fail	Flasher 0	Free	NOT-1	TOD Out 1	Dial 2 (7-Wire)	
Phase ON - 2	Sp Evnt Out 1	Flasher 1	Plan 1	OR-1	TOD Out 2	Dial 3 (7-Wire)	
Phase ON - 3	Sp Evnt Out 2	Fast Flasher	Plan 2	OR-2	TOD Out 3	Offset 1 (7-Wire)	
Phase ON - 4	Sp Evnt Out 3	Fig 3 Diamond	Plan 3	OR-3	TOD Out 4	Offset 2 (7-Wire)	
Phase ON - 5	Sp Evnt Out 4	Fig 4 Diamond	Plan 4	AND-1	TOD Out 5	Offset 3 (7-Wire)	
Phase ON - 6	Sp Evnt Out 5		Plan 5	AND-2	TOD Out 6	Free (7-Wire)	
Phase ON - 7	Sp Evnt Out 6		Plan 6	AND-3	TOD Out 7	Flash (7-Wire)	
Phase ON - 8	Sp Evnt Out 7		Plan 7	NOT-2	TOD Out 8	Preempt	
Ph. Check - 1	Sp Evnt Out 8	NOT-3	Plan 8	EV-A	Adv. Warn - 1	Low Priority A	
Ph. Check - 2		NOT-4	Plan 9	EV-B	Adv. Warn - 2	Low Priority B	
Ph. Check - 3	Detector Fail	OR-4	Spec. Funct. 3	EV-C	DELAY-A	Low Priority C	
Ph. Check - 4	Spec. Funct. 1	OR-5	Spec. Funct. 4	EV-D	DELAY-B	Low Priority D	
Ph. Check - 5	Spec. Funct. 2	OR-6	NAND-3	RR-1	DELAY-C		
Ph. Check - 6	Central Control	AND-4	NAND-4	RR-2	DELAY-D		
Ph. Check - 7	Excl. Ped DW	NAND-1	OR-7	Spec. Event 1	DELAY-E	100	
Ph. Check - 8	Excl. Ped WK	NAND-2	OR-8	Spec. Event 2	DELAY-F		

Assignable Outputs

<E/127+Column+Row>

Version: 233 RV2 Revision: San Diego 1

		Overlap							
		1	2	3	3 4	5	6	7	8
ow									
Load	Switch Number								
1 Veh	Set 1 - Phases								
Veh:	Set 2 - Phases								
Veh:	Set 3 - Phases								
1 Neg	Veh Phases								
Neg	Ped Phases								
Gree	n Omit Phases								
7 Gree	n Clear Omit Phs.								
3									
9									
A									
3									
Gree	en Clear								
Yello	w Change								
F Red	Clear								

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	
Start-up Ped Calls	
	Am 1

1 2 3 4 5 6 7 8 9 A B C D E F

Overlap Assignments

8 =

<E/29+Column+Row>

	-	-	-	100	•	_
•			-			
5	n	e	CI	12	ш	S

Row

0

<F/2+F+Row>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	_2
В	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1_345
F	IC Select (Interconnect)	_2
	Configuration <	E/125+E+R

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	_2
Ped for 6P Output	
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	3

	C
EV-A	
EV-B	
EV-C	
EV-D	
RR-1 *	
RR-2 *	
SE-1	0
SE-2	0

Preemption Priority

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

(*RR-1 is always Highest,

and RR-2 is always

Second Highest)

				ı
			8	1
				L
_	_	Т	_	•

	1
	8
	9
	Α
	В
	C
	D
1	E

	2	Row
		0
hase 1	0	1
hase 2	0	2
Phase 3	0	3
Phase 4	0	4
hase 5	0	5
hase 6	0	6
hase 7	0	7
hase 8	0	8
<c 5+2+f<="" td=""><td>9</td></c>	9	
		A
Coordina	ation	В

Coordination Transition **Minimums**

Con	fig	ur	ati	on

8 = Split Ring

8 = Offset Interrupter

Extra 1 Flags	IC Select Flags
= TBC Type 1	1 =
= NEMA Ext. Coord	2 = Modem
= Auto Daylight Savings	3 = 7-Wire Slave
= EV Advance	4 = Flash / Free
= Extended Status	5 =
i = International Ped	6 = Simplex Maste
= Flash - Clear Outputs	7 = 7-Wire Master

Extra 2 Flags	Flash t	oPE&
1 = AWB During Initial	PE No	n-Lock
2 = LMU Installed	1 = EV A	5 = RR
3 = Disable Min Walk	2 = EV B	6 = RR
4 = QuicNet/4 System	3 = EV C	7 = SE
5 = Ignore P/P on EV	4 = EV D	8 = SE :

4 = QuicNet/4 System	3 = EV C	7 = SE 1	8-F Seconds
5 = Ignore P/P on EV	4 = EV D	8 = SE 2	0-1 Seconds
6 =			Time and Date
7 = Reserved			

Begin Month	0	<c 5+2+a=""></c>
Begin Week	0	<c 5+2+b=""></c>
End Month	0	<c 5+2+c=""></c>
End Week	0	<c 5+2+d=""></c>

Daylight Savings Time

Daylight Savings Date: If set to all zeros, standard dates will be used.

Version: 233 RV2 Revision: San Diego 1 C

D

E F

233 Program INTERSECTION: EL CAMINO REAL & SEA COUNTRY LN Ped / Phase / Overlap 3 3 0 2 C1 Pin Carry-2 3 4 5 6 8 Row Number Attributes Phase(s) Assign Delay Over Walk 0 Detector Name Row Don't Walk 1 Program Type: 212U 39 1.8 0 Phase Green 2 **6J2U** 40 1.8 1 Phase Yellow 3 2 41 4 Phase Red 3 42 5 1.8 Overlap Green 4 212L 43 6 1.8 Overlap Yellow 5 44 6J2L 7 45 Overlap Red 6 **Redirect Phase Outputs** <E/127+Column+Row> 7 46 47 8 9 48 D Row Cabinet Type 0 49 0 A <E/125+D+0> 1 Output Port 1 В **8J8U** 50 Output Port 2 2 C 55 **Enable Redirection** 3 (Enable Redirection = 30) Output Port 3 D 111U 56 4 E 57 Output Port 4 5 Max OFF (minutes) <D/0+0+1> Output Port 5 F 58 20 60 <D/0+0+2> Output Port 6 6 Max ON (minutes) Output Port 7 2 **Detector Failure Monitor** 5 6 4 4 Dimming <E/125+D+Row> C1 Pin Carry-Attributes Phase(s) Assign Delay Over D Number **Detector Attributes** Detector Name Row 1 = Full Time Delay Number of Digits B 0 59 Row 2 = Ped Call DELAY-A 1 st Digit 1 60 1 A 3 = 4 = Count 2 ed Digit DELAY-B 1 B 2 61 Disable Alarms 5 = Extension 1 = Stop Time 3 ed Digit DELAY-C 0 C 3 62 6 = Type 32 = Flash Sense 7 = Calling 4 th Digit DELAY-D 0 D 4 213U 63 1.8 3 = Keyboard Entry 8 = Alternate 4 = Manual Plan 1.8 5 th Digit DELAY-E 0 E 5 **6J3U** 64 5 = Police Control DELAY-F F 6 th Digit 0 6 65 6 = External Alarm 7 = Detector Failure 7 th Digit 7 66 <D/0+B+Row> (seconds) 8 = 8 th Digit 8 67 Det. Assignments **Delay Logic Times** 1 = Det. Set 1 9 th Digit 9 68 2 = Det. Set 2 10 th Digit Omit Alarm #NAME? A 69 3 = Det. Set 3 4 = 70 11 th Digit <C/5+F+0> B 5 = C 12 th Digit Disable Alarm Reporting 213L 76 6 = Failure - Min Recall 7 = Failure - Max Recall D 6J3L 77 13 th Digit 8 = Report on Failure E 78 14 th Digit Time 0 <C/5+C+0> F 15 th Digit 79 10.0 <C/5+D+Row> Redial Time (minutes) 8J7L <E/126+Column+Row> <D/0+Column+Row> **Dial-Back Telephone Number** (View Redial Timer at E/2+D+6) **Detector Assignments**

Appendix D Traffic Volume Calculations

TFIC Calcs					
				# of	% Growth
Roadway Segment	2016	2025	% Growth	Years	per Year
El Camino Real, between San Dieguito Road and Sea Country Lane	15,900	18,100	13.84%	9	1.54%

					Exis	ting 20	012 AN	1						
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1			205	168		185	507					382		294
2			379	7		3	904					27		4
3			373				889							
				Churc	h Proje	ct Trip	Assign	ment.	AM					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	4		1				5							
2			20		5		4							
3				25			9							5
				Existi	ng 201	2 + 9-Y	'ear Gr	owth A	M					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	0	0	234	192	0	211	578	0	0	0	0	435	0	335
2	0	0	432	8	0	4	1030	0	0	0	0	31	0	5
3	0	0	425	0	0	0	1013	0	0	0	0	0	0	0
			Existir	ng 2012	2 + 9-Y	ear Gr	owth +	Churc	h PTA /	AM				
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	4	0	235	192	0	211	583	0	0	0	0	435	0	335
2	0	0	452	8	5	4	1034	0	0	0	0	31	0	5
3	0	0	425	25	0	0	1022	0	0	0	0	0	0	5

					Exis	sting 20	012 PN	1						
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1			799	349		326	266					217		205
2			1155	19		7	472					10		5
3			1148				483							
				Churc	h Proje	ect Trip	Assigr	ment	PM					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	46		12				9							
2			35		9		46							
3				44			55							58
				Existi	ng 201	2 + 9-Y	'ear Gr	owth F	M					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	0	0	910	398	0	372	303	0	0	0	0	248	0	234
2	0	0	1315	22	0	8	538	0	0	0	0	12	0	6
3	0	0	1307	0	0	0	550	0	0	0	0	0	0	0
			Existir	ng 2013	2 + 9-Y	ear Gr	owth +	Churc	h PTA I	PM				
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	46	0	922	398	0	372	312	0	0	0	0	248	0	234
2	0	0	1350	22	9	8	584	0	0	0	0	12	0	6
3	0	0	1307	44	0	0	605	0	0	0	0	0	0	58

					Existin	g 2012	2 (Sund	lay)						
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1			219	151		174	182					232		240
2			384	8		13	409					11		8
3			370				414							
			Ch	iurch F	roject	Trip As	ssignm	ent (Su	ınday)					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	70		18				18							
2			70		18		70							
3				88			88							88
			E:	xisting	2012 +	- 9-Yea	r Grow	rth (Su	nday)					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	0	0	250	172	0	199	208	0	0	0	0	265	0	274
2	0	0	438	10	0	15	466	0	0	0	0	13	0	10
3	0	0	422	0	0	0	472	0	0	0	0	0	0	0
		E>	disting :	2012 +	9-Year	r Grow	th + Ch	nurch F	PTA (Su	nday)				
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	70	0	268	172	0	199	226	0	0	0	0	265	0	274
2	0	0	508	10	18	15	536	0	0	0	0	13	0	10
3	0	0	422	88	0	0	560	0	0	0	0	0	0	88

					Exis	ting 20	012 AN	1						
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1			205	168		185	507					382		294
2			379	7		3	904					27		4
3			373				889							
				Churc	h Proje	ct Trip	Assigr	ment.	AM					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	4		1				5							
2			20		5		4							
3				25			9							5
				Existin	ng 2012	2 + 12-	Year G	rowth	AM					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	0	0	243	199	0	220	601	0	0	0	0	453	0	349
2	0	0	449	9	0	4	1071	0	0	0	0	32	0	5
3	0	0	442	0	0	0	1054	0	0	0	0	0	0	0
			Existin	g 2012	+ 12-\	ear Gr	owth -	- Churc	ch PTA	AM				
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	4	0	244	199	0	220	606	0	0	0	0	453	0	349
2	0	0	469	9	5	4	1075	0	0	0	0	32	0	5
3	0	0	442	25	0	0	1063	0	0	0	0	0	0	5

					Exis	sting 20	012 PN	1						
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1			799	349		326	266					217		205
2			1155	19		7	472					10		5
3			1148				483							
				Churc	h Proje	ct Trip	Assign	ment	PM					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	46		12				9							
2			35		9		46							
3				44			55							58
				Existir	ig 2012	2 + 12-	Year G	rowth	PM					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	0	0	947	414	0	387	316	0	0	0	0	258	0	243
2	0	0	1369	23	0	9	560	0	0	0	0	12	0	6
3	0	0	1360	0	0	0	573	0	0	0	0	0	0	0
			Existin	g 2012	+ 12-\	/ear Gr	owth -	- Churc	ch PTA	AM				
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	46	0	959	414	0	387	325	0	0	0	0	258	0	243
2	0	0	1404	23	9	9	606	0	0	0	0	12	0	6
3	0	0	1360	44	0	0	628	0	0	0	0	0	0	58

					Existin	g 2012	2 (Sund	lay)						
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1			219	151		174	182					232		240
2			384	8		13	409					11		8
3			370				414							
			Cł	nurch F	roject	Trip As	ssignm	ent (Sເ	ınday)					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	70		18				18							
2			70		18		70							
3				88			88							88
			Ex	isting 2	2012 +	12-Yea	ar Grov	vth (Su	ınday)					
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	0	0	260	179	0	207	216	0	0	0	0	275	0	285
2	0	0	455	10	0	16	485	0	0	0	0	14	0	10
3	0	0	439	0	0	0	491	0	0	0	0	0	0	0
		E>	disting :	2012 +	9-Year	r Grow	th + Ch	nurch F	TA (Su	nday)				
Intersection	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	70	0	278	179	0	207	234	0	0	0	0	275	0	285
2	0	0	525	10	18	16	555	0	0	0	0	14	0	10
3	0	0	439	88	0	0	579	0	0	0	0	0	0	88

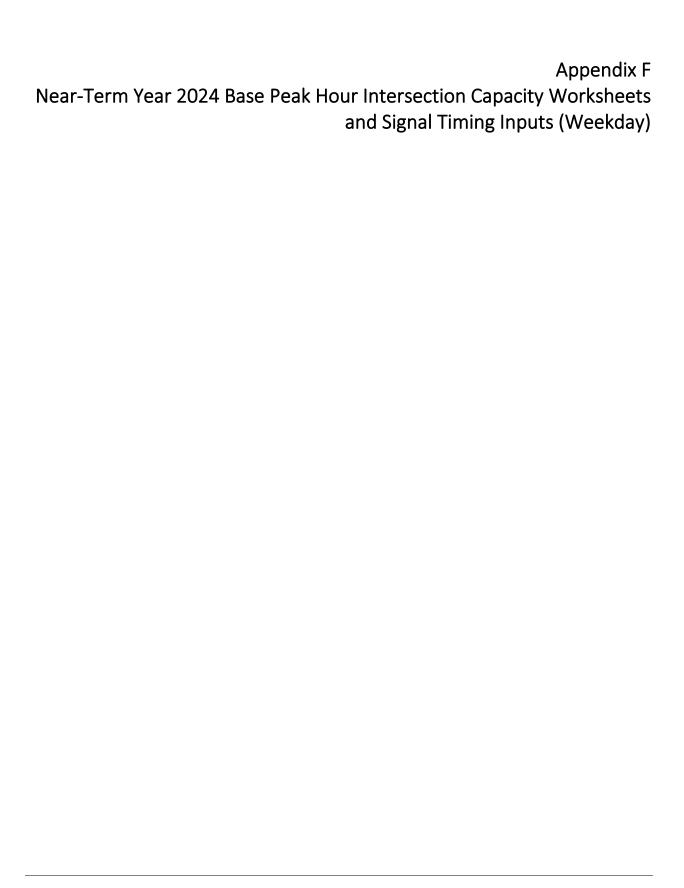
Appendix E
Existing Peak Hour Intersection Capacity Worksheets
and Signal Timing Inputs

	•	•	∳ 1	†	/	\	↓	
Movement	WBL	WBR	NBU	NBT	NBR	SBL	SBT	
Lane Configurations	ሻሻ	7	Ð	ħβ		ሻ	^	
Traffic Volume (veh/h)	435	335	0	234	192	211	578	
Future Volume (veh/h)	435	335	0	234	192	211	578	
Initial Q (Qb), veh	0	0		0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00	1.00			0.96	1.00		
Parking Bus, Adj	1.00	1.00		1.00	1.00	1.00	1.00	
Work Zone On Approach	No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856		1856	1856	1856	1856	
Adj Flow Rate, veh/h	478	294		269	198	248	680	
Peak Hour Factor	0.91	0.91		0.87	0.87	0.85	0.85	
Percent Heavy Veh, %	3	3		3	3	3	3	
Cap, veh/h	831	381		522	368	305	1882	
Arrive On Green	0.24	0.24		0.27	0.27	0.17	0.53	
Sat Flow, veh/h	3428	1572		2027	1363	1767	3618	
Grp Volume(v), veh/h	478	294		244	223	248	680	
Grp Sat Flow(s), veh/h/ln	1714	1572		1763	1535	1767	1763	
Q Serve(g_s), s	5.9	8.4		5.7	6.0	6.5	5.4	
Cycle Q Clear(g_c), s	5.9	8.4		5.7	6.0	6.5	5.4	
Prop In Lane	1.00	1.00			0.89	1.00		
Lane Grp Cap(c), veh/h	831	381		476	414	305	1882	
V/C Ratio(X)	0.58	0.77		0.51	0.54	0.81	0.36	
Avail Cap(c_a), veh/h	1777	815		811	706	462	2295	
HCM Platoon Ratio	1.00	1.00		1.00	1.00	1.00	1.00	
Upstream Filter(I)	1.00	1.00		1.00	1.00	1.00	1.00	
Uniform Delay (d), s/veh	16.1	17.0		14.9	15.0	19.2	6.5	
Incr Delay (d2), s/veh	0.2	1.3		2.5	3.1	3.6	0.3	
Initial Q Delay(d3),s/veh	0.0	0.0		0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh/ln	1.9	2.5		2.0	1.9	2.4	1.1	
Unsig. Movement Delay, s/veh	l							
LnGrp Delay(d),s/veh	16.3	18.3		17.4	18.2	22.8	6.8	
LnGrp LOS	В	В		В	В	С	Α	
Approach Vol, veh/h	772			467			928	
Approach Delay, s/veh	17.1			17.8			11.1	
Approach LOS	В			В			В	
Timer - Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	12.7	18.9				31.6		16.6
Change Period (Y+Rc), s	4.4	5.9				* 5.9		4.9
Max Green Setting (Gmax), s	12.6	22.2				* 31		25.0
Max Q Clear Time (g_c+l1), s	8.5	8.0				7.4		10.4
Green Ext Time (p_c), s	0.1	4.4				9.0		1.3
Intersection Summary								
HCM 6th Ctrl Delay			14.7					
HCM 6th LOS			14. <i>1</i> B					
I IOWI OUI LOO			U					

•	-	→	•	•	←	•	4	†	<u> </u>	>	↓	4	
Movement EBI	_ E	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	ነ			ች		1		ħβ		ă	^		
)	0	0	31	0	5	0	432	8	4	1030	0	
)	0	0	31	0	5	0	432	8	4	1030	0	
` ,)	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT) 1.0			1.00	1.00		1.00	1.00		0.97	1.00		1.00	
Parking Bus, Adj 1.0		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Nork Zone On Approach		No	1.00	1.00	No	1.00	1.00	No	1.00	1.00	No	1.00	
Adj Sat Flow, veh/h/ln 185		0	0	1856	0	1856	0	1856	1856	1856	1856	0	
)	0	0	55	0	7	0	533	9	5	1241	0	
Peak Hour Factor 0.9		0.92	0.92	0.56	0.56	0.56	0.81	0.81	0.81	0.83	0.83	0.83	
	3	0	0.52	3	0.50	3	0.01	3	3	3	3	0.00	
	5	0	0	82	0	0	0	1881	32	10	2308	0	
Arrive On Green 0.0		0.00	0.00	0.05	0.00	0.00	0.00	0.53	0.53	0.01	0.65	0.00	
Sat Flow, veh/h 176		0.00	0.00	1767	55	0.00	0.00	3638	60	1767	3618	0.00	
		0.0		55	20.9		0	265	277	5	1241	0	
1 \ / /		0.0			20.9 C								
Grp Sat Flow(s),veh/h/ln176				1767	C		0	1763	1842	1767	1763	0	
Q Serve(g_s), s 0.				1.1			0.0	3.1	3.1	0.1	7.0	0.0	
Cycle Q Clear(g_c), s 0.				1.1			0.0	3.1	3.1	0.1	7.0	0.0	
Prop In Lane 1.0				1.00			0.00	025	0.03	1.00	0000	0.00	
1 1 1 7	5			82			0	935	978	10	2308	0	
//C Ratio(X) 0.00				0.67			0.00	0.28	0.28	0.52	0.54	0.00	
Avail Cap(c_a), veh/h 123				1237			0	1120	1171	243	3123	0	
HCM Platoon Ratio 1.0				1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Jpstream Filter(I) 0.00				1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Jniform Delay (d), s/veh 0.0				17.4			0.0	4.8	4.8	18.4	3.4	0.0	
ncr Delay (d2), s/veh 0.				3.4			0.0	0.4	0.4	15.4	0.4	0.0	
nitial Q Delay(d3),s/veh 0.				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
6ile BackOfQ(50%),veh/ln0.				0.5			0.0	0.4	0.4	0.1	0.1	0.0	
Insig. Movement Delay, s/v				00.0						00.0			
.nGrp Delay(d),s/veh 0.				20.9			0.0	5.2	5.2	33.8	3.9	0.0	
	١			С			A	A	Α	С	Α	A	
Approach Vol, veh/h								542			1246		
pproach Delay, s/veh								5.2			4.0		
Approach LOS								Α			Α		
imer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc), s4.	3 2	25.9	6.6			30.5	0.0						
Change Period (Y+Rc), s 4.		6.2	4.9			6.2	4.9						
Max Green Setting (Gmax5,		* 24	26.0			32.9	26.0						
Max Q Clear Time (g_c+l12),		5.1	3.1			9.0	0.0						
امx و Olear Time (g_c+ا ہے, Freen Ext Time (p_c), s 0.۱		5.3	0.1			15.3	0.0						
, ,	,	0.0	0.1			10.0	0.0						
ntersection Summary			4.0										
HCM 6th Ctrl Delay			4.8										
HCM 6th LOS			Α										
Votes													

	•	•	∳ 1	†	/	/	ļ	
Movement	WBL	WBR	NBU	NBT	NBR	SBL	SBT	
Lane Configurations	44	7	đ	ħβ		J.	† †	
Traffic Volume (veh/h)	248	234	0	910	398	372	303	
Future Volume (veh/h)	248	234	0	910	398	372	303	
Initial Q (Qb), veh	0	0		0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00	1.00			0.97	1.00		
Parking Bus, Adj	1.00	1.00		1.00	1.00	1.00	1.00	
Work Zone On Approach	No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856		1856	1856	1856	1856	
Adj Flow Rate, veh/h	276	186		1071	444	384	312	
Peak Hour Factor	0.90	0.90		0.85	0.85	0.97	0.97	
Percent Heavy Veh, %	3	3		3	3	3	3	
Cap, veh/h	480	220		1179	476	411	2679	
Arrive On Green	0.14	0.14		0.49	0.49	0.23	0.76	
Sat Flow, veh/h	3428	1572		2516	978	1767	3618	
Grp Volume(v), veh/h	276	186		771	744	384	312	
Grp Sat Flow(s),veh/h/ln	1714	1572		1763	1639	1767	1763	
Q Serve(g_s), s	8.1	12.5		43.1	46.1	23.0	2.5	
Cycle Q Clear(g_c), s	8.1	12.5		43.1	46.1	23.0	2.5	
Prop In Lane	1.00	1.00			0.60	1.00		
Lane Grp Cap(c), veh/h	480	220		858	797	411	2679	
V/C Ratio(X)	0.58	0.85		0.90	0.93	0.93	0.12	
Avail Cap(c_a), veh/h	797	366		864	803	439	2679	
HCM Platoon Ratio	1.00	1.00		1.00	1.00	1.00	1.00	
Upstream Filter(I)	1.00	1.00		1.00	1.00	1.00	1.00	
Uniform Delay (d), s/veh	43.4	45.3		25.3	26.1	40.6	3.4	
Incr Delay (d2), s/veh	0.4	4.1		13.3	18.4	25.6	0.1	
Initial Q Delay(d3),s/veh	0.0	0.0		0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh/ln	3.4	4.9		19.1	19.9	12.3	0.6	
Unsig. Movement Delay, s/veh							_	
LnGrp Delay(d),s/veh	43.8	49.4		38.6	44.5	66.2	3.5	
LnGrp LOS	D	D		D	D	E	Α	
Approach Vol, veh/h	462			1515			696	
Approach Delay, s/veh	46.1			41.5			38.1	
Approach LOS	D			D			D	
Timer - Assigned Phs	1	2				6		
Phs Duration (G+Y+Rc), s	29.5	58.4				88.0		20
Change Period (Y+Rc), s	4.4	5.9				* 5.9		
Max Green Setting (Gmax), s	26.8	52.9				* 76		2
Max Q Clear Time (g_c+l1), s	25.0	48.1				4.5		14
Green Ext Time (p_c), s	0.1	4.5				4.8		0.
Intersection Summary								
HCM 6th Ctrl Delay			41.4					
HCM 6th LOS			D					

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	ሻ			ሻ		7		ħβ		ă	^	
Traffic Volume (veh/h)	0	0	0	12	0	6	0	1315	22	8	538	0
Future Volume (veh/h)	0	0	0	12	0	6	0	1315	22	8	538	0
nitial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approac		No			No			No			No	
	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0
Adj Flow Rate, veh/h	0	0	0	13	0	5	0	1547	25	8	555	0
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.85	0.85	0.85	0.97	0.97	0.97
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0
Cap, veh/h	3	0	0	23	0	0	0	2440	39	15	2745	0
Arrive On Green	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.69	0.69	0.01	0.78	0.00
Sat Flow, veh/h	1767	0.00	0.00	1767	13	0.00	0.00	3641	57	1767	3618	0.00
Grp Volume(v), veh/h	0	0.0		13	33.8		0	767	805	8	555	0
Grp Sat Flow(s), veh/h/lr		0.0		1767	C		0	1763	1843	1767	1763	0
Q Serve(g_s), s	0.0			0.4	U		0.0	12.8	12.9	0.2	2.2	0.0
Cycle Q Clear(g_c), s	0.0			0.4			0.0	12.8	12.9	0.2	2.2	0.0
Prop In Lane	1.00			1.00			0.00	12.0	0.03	1.00	2.2	0.00
Lane Grp Cap(c), veh/h				23			0.00	1212	1267	1.00	2745	0.00
V/C Ratio(X)	0.00			0.56			0.00	0.63	0.63	0.54	0.20	0.00
Avail Cap(c_a), veh/h	866			866			0.00	1436	1501	172	3493	0.00
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00
Jpstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veł				26.1			0.00	4.6	4.6	26.3	1.6	0.00
	0.0			7.6			0.0	1.4	1.3	10.9	0.1	0.0
Incr Delay (d2), s/veh				0.0								0.0
Initial Q Delay(d3),s/veh				0.0			0.0	0.0 1.6	0.0 1.7	0.0	0.0	0.0
%ile BackOfQ(50%),veh				0.2			0.0	1.0	1.7	U. I	0.0	0.0
Unsig. Movement Delay		l 		22.0			0.0	6.0	6.0	27.0	1.0	0.0
LnGrp Delay(d),s/veh	0.0			33.8			0.0	6.0	6.0	37.2	1.6	0.0
LnGrp LOS	A			С			A	A 4570	<u>A</u>	D	A	<u>A</u>
Approach Vol, veh/h								1572			563	
Approach Delay, s/veh								6.0			2.1	
Approach LOS								Α			Α	
Timer - Assigned Phs	1	2	3			6	7					
Phs Duration (G+Y+Rc)	. s4.8	42.8	5.6			47.7	0.0					
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9					
Max Green Setting (Gm		* 43	26.1			52.8	26.1					
Max Q Clear Time (g_c-		14.9	2.4			4.2	0.0					
Green Ext Time (p_c), s		21.7	0.0			7.8	0.0					
. ,	0.0		0.0			7.0	0.0					
Intersection Summary			·									
HCM 6th Ctrl Delay			5.1									
HCM 6th LOS			Α									
Notes												



Movement EBL EBT EBR WBL WBT WBR NBL NBT NBR SBL SBT SBR Lane Configurations Taffic Volume (veh/h) 0 0 0 455 0 350 4 246 201 221 610 0 Future Volume (veh/h) 0 0 0 455 0 350 4 246 201 221 610 0 Future Volume (veh/h) 0 0 0 455 0 350 4 246 201 221 610 0 Future Volume (veh/h) 0 0 0 455 0 350 4 246 201 221 610 0 Future Volume (veh/h) 0 1 0 0 455 0 350 4 246 201 221 610 0 Future Volume (veh/h) 0 1 0 0 1 0 1.00 1.00 1.00 1.00 1.00 1		۶	→	•	•	—	•	4	†	~	-	↓	4
Traffic Volume (vehrh) 0 0 0 455 0 350 4 246 201 221 610 0 Initial O(10b), veh 0 0 0 455 0 350 4 246 201 221 610 0 Initial O(10b), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (veh/h) 0 0 0 455 0 350 4 246 201 221 610 0 initial Q (Qbl), veh 0 0 0 455 0 350 4 246 201 221 610 0 initial Q (Qbl), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Lane Configurations				14.14		7	1	†		7	^	
Initial Q (Qb), veh	Traffic Volume (veh/h)	0	0	0		0	350	4		201	221		0
Ped-Bike Adji(A, pbT)	Future Volume (veh/h)	0	0	0	455	0	350	4	246	201	221	610	0
Parking Bus. Adj 1.00	Initial Q (Qb), veh					0			0			0	
Work Zone On Approach	Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		
Adj Sat Flow, veh/h/In 1856 0 1856	Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Flow Rate, veh/h 500	Work Zone On Approach					No							
Peak Hour Factor 0.91 0.92 0.91 0.92 0.87 0.87 0.85 0.85 0.92	Adj Sat Flow, veh/h/ln					0		1856					0
Percent Heavy Veh, %	Adj Flow Rate, veh/h					0				208			
Cap, veh/h 859 0 394 7 524 370 316 1572 0 Arrive On Green 0.25 0.00 0.25 0.00 0.27 0.77 0.18 0.45 0.00 Sat Flow, veh/h 3428 0 1572 1767 1932 1365 1767 3618 0 Gry Sat Flow(s), veh/h/n 500 0 311 4 257 234 260 718 0 Gry Sat Flow(s), veh/h/n 1714 0 1572 1767 1763 1534 1767 1763 0 Q Serve(g. s), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Q See (g. s), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Q See (g. s), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Q See (g. s), s 6.5 0.0 9.	Peak Hour Factor				0.91	0.92	0.91		0.87	0.87		0.85	0.92
Arrive On Green						0							
Sat Flow, veh/h 3428							394			370			
Grp Volume(v), veh/h 500 0 311 4 257 234 260 718 0 Grp Sat Flow(s), veh/h/ln 1714 0 1572 1767 1763 1534 1767 1763 0 Q Serve(g_s), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Cycle Q Clear(g_c), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Prop In Lane 1.00 1.00 1.00 1.00 0.89 1.00 0.00 Lane GFD Cap(c), veh/h 859 0 394 7 478 416 316 1572 0 V/C Ratio(X) 0.58 0.00 0.79 0.54 0.56 0.82 0.46 0.00 V/C Ratio(X) 0.58 0.00 0.79 0.54 0.56 0.82 0.46 0.00 HCM Platon Ratio 1.00 1.00 1.00 1.00 1.00 1	Arrive On Green				0.25	0.00	0.25	0.00	0.27	0.27	0.18	0.45	0.00
Grp Sat Flow(s),veh/h/ln 1714 0 1572 1767 1763 1534 1767 1763 0 Q Serve(g_s), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Cycle Q Clear(g_c), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Prop In Lane 1.00 1.00 1.00 1.00 0.88 1.00 0.00 Lane Grp Cap(c), veh/h 859 0 394 7 478 416 316 1572 0 V/C Ratio(X) 0.58 0.00 0.79 0.54 0.56 0.82 0.46 0.00 Avail Cap(c_a), veh/h 1688 0 774 139 771 671 439 2180 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1	Sat Flow, veh/h				3428	0	1572	1767	1932	1365	1767	3618	0
Q Serve(g_s), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0	Grp Volume(v), veh/h				500	0	311	4	257	234	260	718	0
Q Serve(g_s), s	Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1534	1767	1763	0
Cycle Q Clear(g_c), s 6.5 0.0 9.4 0.1 6.3 6.7 7.2 7.2 0.0 Prop In Lane 1.00 1.00 1.00 0.00 0.89 1.00 0.00 Lane Grp Cap(c), veh/h 859 0 394 7 478 416 316 1572 0 V/C Ratio(X) 0.58 0.00 0.79 0.54 0.56 0.82 0.46 0.00 Avail Cap(c_a), veh/h 1688 0 774 139 771 671 439 2180 0 HCM Platoon Ratio 1.00					6.5	0.0	9.4	0.1	6.3	6.7	7.2	7.2	0.0
Lane Grp Cap(c), veh/h 859 0 394 7 478 416 316 1572 0 V/C Ratio(X) 0.58 0.00 0.79 0.54 0.54 0.56 0.82 0.46 0.00 Avail Cap(c_a), veh/h 1688 0 774 139 771 671 439 2180 0 HCM Platoon Ratio 1.00 <td< td=""><td></td><td></td><td></td><td></td><td>6.5</td><td>0.0</td><td>9.4</td><td>0.1</td><td>6.3</td><td>6.7</td><td>7.2</td><td>7.2</td><td>0.0</td></td<>					6.5	0.0	9.4	0.1	6.3	6.7	7.2	7.2	0.0
V/C Ratio(X) 0.58 0.00 0.79 0.54 0.54 0.56 0.82 0.46 0.00 Avail Cap(c_a), veh/h 1688 0 774 139 771 671 439 2180 0 HCM Platoon Ratio 1.00	Prop In Lane				1.00		1.00	1.00		0.89	1.00		0.00
Avail Cap(c_a), veh/h	Lane Grp Cap(c), veh/h				859	0	394	7	478	416	316	1572	0
HCM Platon Ratio	V/C Ratio(X)				0.58	0.00	0.79	0.54	0.54	0.56	0.82	0.46	0.00
Upstream Filter(I)	Avail Cap(c_a), veh/h				1688	0	774	139	771	671	439	2180	0
Uniform Delay (d), s/veh 16.7 0.0 17.8 25.2 15.8 15.9 20.1 9.8 0.0 Incr Delay (d2), s/veh 0.2 0.0 1.4 20.5 2.7 3.4 6.2 0.6 0.0 Initial Q Delay(d3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incr Delay (d2), s/veh	Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Initial Q Delay(d3),s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Uniform Delay (d), s/veh				16.7	0.0	17.8	25.2	15.8	15.9	20.1	9.8	0.0
%ile BackOfQ(50%),veh/ln 2.1 0.0 2.9 0.1 2.3 2.2 2.9 1.9 0.0 Unsig. Movement Delay, s/veh 16.9 0.0 19.1 45.7 18.5 19.3 26.2 10.4 0.0 LnGrp LOS B A B D B B C B A Approach Vol, veh/h 811 495 978 9	Incr Delay (d2), s/veh				0.2	0.0	1.4	20.5	2.7	3.4	6.2	0.6	0.0
Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh LnGrp LOS B A B D B B C B A A Approach Vol, veh/h Approach Delay, s/veh Approach LOS B A Approach LOS B B B B B B B B B B B B B B B B B B	Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh 16.9 0.0 19.1 45.7 18.5 19.3 26.2 10.4 0.0 LnGrp LOS B A B D B B C B A Approach Vol, veh/h 811 495 978 A Approach Delay, s/veh 17.8 19.1 14.6 A B A A A	%ile BackOfQ(50%),veh/ln				2.1	0.0	2.9	0.1	2.3	2.2	2.9	1.9	0.0
LnGrp LOS B A B D B B C B A Approach Vol, veh/h 811 495 978 Approach Delay, s/veh 17.8 19.1 14.6 Approach LOS B B B B B B B Finer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 *31 25.0 Max Q Clear Time (g_c+l1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7	Unsig. Movement Delay, s/veh												
Approach Vol, veh/h 811 495 978 Approach Delay, s/veh 17.8 19.1 14.6 Approach LOS B B B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 *31 25.0 Max Q Clear Time (g_c+l1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7	LnGrp Delay(d),s/veh				16.9	0.0	19.1	45.7	18.5	19.3	26.2	10.4	0.0
Approach Delay, s/veh 17.8 19.1 14.6 Approach LOS B B B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 *31 25.0 Max Q Clear Time (g_c+I1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7	LnGrp LOS				В	Α	В	D	В	В	С	В	Α
Approach Delay, s/veh 17.8 19.1 14.6 Approach LOS B B B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 *31 25.0 Max Q Clear Time (g_c+I1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7	Approach Vol, veh/h					811			495			978	
Approach LOS B B B B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 *31 25.0 Max Q Clear Time (g_c+I1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7												14.6	
Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 * 31 25.0 Max Q Clear Time (g_c+l1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7						В			В			В	
Phs Duration (G+Y+Rc), s 13.5 19.7 4.6 28.5 17.6 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 * 31 25.0 Max Q Clear Time (g_c+I1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7	Timer - Assigned Phs	1	2			5	6		8				
Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 12.6 22.2 4.0 * 31 25.0 Max Q Clear Time (g_c+I1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7		13.5					28.5		17.6				
Max Green Setting (Gmax), s 12.6 22.2 4.0 * 31 25.0 Max Q Clear Time (g_c+l1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7													
Max Q Clear Time (g_c+l1), s 9.2 8.7 2.1 9.2 11.4 Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7													
Green Ext Time (p_c), s 0.1 4.5 0.0 9.2 1.3 Intersection Summary HCM 6th Ctrl Delay 16.7													
HCM 6th Ctrl Delay 16.7													
HCM 6th Ctrl Delay 16.7	Intersection Summary												
				16.7									

	۶	→	•	•	←	•	1	†	1	1	ļ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	×			*		7		۲'n		*	^	
Traffic Volume (veh/h)	0	0	0	32	0	5	0	472	8	9	1082	0
Future Volume (veh/h)	0	0	0	32	0	5	0	472	8	9	1082	0
nitial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approac	:h	No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0
Adj Flow Rate, veh/h	0	0	0	57	0	7	0	583	9	11	1304	0
Peak Hour Factor	0.92	0.92	0.92	0.56	0.56	0.56	0.81	0.81	0.81	0.83	0.83	0.83
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0
Cap, veh/h	5	0	0	84	0	0	0	1904	29	20	2336	0
Arrive On Green	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.54	0.54	0.01	0.66	0.00
Sat Flow, veh/h	1767	0.00	2.00	1767	57	3.00	0.00	3644	55	1767	3618	0.00
Grp Volume(v), veh/h	0	0.0		57	21.5		0	289	303	11	1304	0
Grp Sat Flow(s),veh/h/lr		0.0		1767	21.5 C		0	1763	1843	1767	1763	0
	0.0			1.2	C		0.0	3.5	3.5	0.2	7.6	0.0
Q Serve(g_s), s Cycle Q Clear(g_c), s	0.0			1.2			0.0	3.5	3.5	0.2	7.6	0.0
Prop In Lane	1.00			1.00			0.00	3.5	0.03	1.00	1.0	0.00
Lane Grp Cap(c), veh/h				84			0.00	945	988	20	2336	0.00
V/C Ratio(X)	0.00			0.68			0.00	0.31	0.31	0.54	0.56	0.00
. ,				1200			0.00	1087	1137	235	3031	0.00
Avail Cap(c_a), veh/h	1200			1.00			1.00	1.00	1.00	1.00		1.00
HCM Platoon Ratio	0.00							1.00	1.00	1.00	1.00	
Jpstream Filter(I)				1.00			0.00					0.00
Jniform Delay (d), s/veh				17.9			0.0	4.9	4.9	18.8	3.5	0.0
ncr Delay (d2), s/veh	0.0			3.6			0.0	0.4	0.4	8.0	0.5	0.0
nitial Q Delay(d3),s/veh				0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh				0.5			0.0	0.5	0.5	0.1	0.2	0.0
Jnsig. Movement Delay				04.5			0.0	F 4	۲.	00.0	2.0	0.0
_nGrp Delay(d),s/veh	0.0			21.5			0.0	5.4	5.3	26.8	3.9	0.0
nGrp LOS	A			С			A	A	Α	С	A	A
Approach Vol, veh/h								592			1315	
Approach Delay, s/veh								5.3			4.1	
Approach LOS								Α			Α	
Timer - Assigned Phs	1	2	3			6	7					
Phs Duration (G+Y+Rc)	s4.8	26.7	6.7			31.6	0.0					
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9					
Max Green Setting (Gm		* 24	26.0			32.9	26.0					
Max Q Clear Time (g_c-	, .	5.5	3.2			9.6	0.0					
Green Ext Time (p_c), s		5.8	0.1			15.8	0.0					
` '	0.0	5.0	0.1			10.0	0.0					
ntersection Summary												
HCM 6th Ctrl Delay			5.0									
HCM 6th LOS			Α									
Notes												

^{*} HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

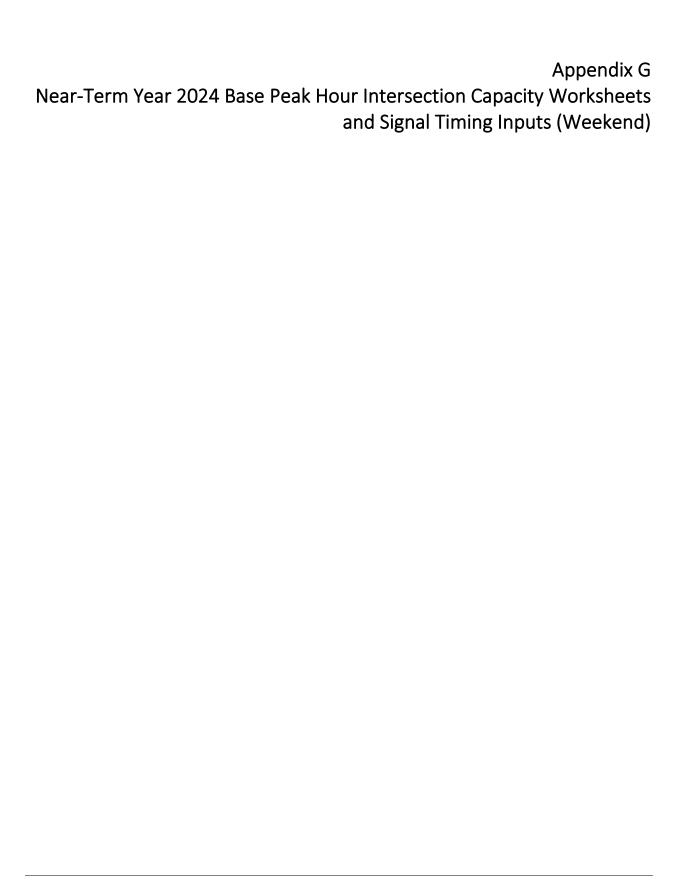
Intersection						
Int Delay, s/veh	0					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	†			† †
Traffic Vol, veh/h	0	5	445	25	0	1069
Future Vol, veh/h	0	5	445	25	0	1069
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	_	0	_	-	_	-
Veh in Median Storage	e,# 0	-	0	_	_	0
Grade, %	0	_	0	_	_	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mymt Flow	0	5	484	27	0	1162
IVIVIIIL FIOW	U	5	404	21	U	1102
Major/Minor	Minor1	N	Major1	N	/lajor2	
Conflicting Flow All	-	276	0	0	-	-
Stage 1	_	-	-	_	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	_	-
Critical Hdwy Stg 1	_	-	_	_	-	-
Critical Hdwy Stg 2	-	_	-	-	-	_
Follow-up Hdwy	_	3.33	_	_	-	_
Pot Cap-1 Maneuver	0	718	_	_	0	_
Stage 1	0	-	_	_	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %	U		_	<u>-</u>	U	_
Mov Cap-1 Maneuver	_	704		_	_	_
Mov Cap-1 Maneuver		704	_			_
	-			-		
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	10.2		0		0	
HCM LOS	В					
J 200						
Minor Lane/Major Mvn	nt	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		-	-	704	-	
HCM Lane V/C Ratio		-	-	800.0	-	
HCM Control Delay (s)		-	-	10.2	-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh)	-	-	0	-	

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	*	↑ ₽		*	^	
Traffic Volume (veh/h)	0	0	0	259	0	245	46	964	416	389	326	0
Future Volume (veh/h)	0	0	0	259	0	245	46	964	416	389	326	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				288	0	194	50	1134	430	401	336	0
Peak Hour Factor				0.90	0.92	0.90	0.92	0.85	0.85	0.97	0.97	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				482	0	221	64	1260	464	423	2495	0
Arrive On Green				0.14	0.00	0.14	0.04	0.50	0.50	0.24	0.71	0.00
Sat Flow, veh/h				3428	0	1572	1767	2496	919	1767	3618	0
Grp Volume(v), veh/h				288	0	194	50	791	773	401	336	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1653	1767	1763	0
Q Serve(g_s), s				10.4	0.0	15.9	3.7	53.1	57.3	29.4	4.1	0.0
Cycle Q Clear(g_c), s				10.4	0.0	15.9	3.7	53.1	57.3	29.4	4.1	0.0
Prop In Lane				1.00		1.00	1.00		0.56	1.00		0.00
Lane Grp Cap(c), veh/h				482	0	221	64	890	834	423	2495	0
V/C Ratio(X)				0.60	0.00	0.88	0.78	0.89	0.93	0.95	0.13	0.00
Avail Cap(c_a), veh/h				654	0	300	137	899	843	438	2495	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				53.1	0.0	55.5	62.9	29.3	30.3	49.3	6.2	0.0
Incr Delay (d2), s/veh				0.4	0.0	15.9	7.3	11.9	16.9	29.3	0.1	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				4.4	0.0	7.1	1.7	23.5	24.7	15.9	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				53.5	0.0	71.4	70.2	41.2	47.2	78.5	6.3	0.0
LnGrp LOS				D	Α	E	E	D	D	E	Α	A
Approach Vol, veh/h					482			1614			737	
Approach Delay, s/veh					60.7			45.0			45.6	
Approach LOS					Е			D			D	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	35.9	72.3			9.2	99.0		23.4				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	32.6	67.1			10.2	* 90		25.1				
Max Q Clear Time (g c+l1), s	31.4	59.3			5.7	6.1		17.9				
Green Ext Time (p_c), s	0.1	7.2			0.0	5.2		0.6				
Intersection Summary												
HCM 6th Ctrl Delay			47.8									
HCM 6th LOS			D									

	٠	→	*	1	←	•	1	†	/	1	ţ	4	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	7			*		7		ተ ኈ		7	^		
Traffic Volume (veh/h)	0	0	0	13	0	6	0	1412	23	17	609	0	
Future Volume (veh/h)	0	0	0	13	0	6	0	1412	23	17	609	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approacl	h	No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	14	0	5	0	1661	26	18	628	0	
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.85	0.85	0.85	0.97	0.97	0.97	
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0	
Cap, veh/h	3	0	0	25	0	0	0	2458	38	31	2778	0	
Arrive On Green	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.69	0.69	0.02	0.79	0.00	
Sat Flow, veh/h	1767	0		1767	14		0	3644	55	1767	3618	0	
Grp Volume(v), veh/h	0	0.0		14	34.8		0	823	864	18	628	0	
Grp Sat Flow(s), veh/h/ln	1767			1767	С		0	1763	1844	1767	1763	0	
Q Serve(g_s), s	0.0			0.4			0.0	15.1	15.2	0.6	2.6	0.0	
Cycle Q Clear(g_c), s	0.0			0.4			0.0	15.1	15.2	0.6	2.6	0.0	
Prop In Lane	1.00			1.00			0.00		0.03	1.00		0.00	
Lane Grp Cap(c), veh/h				25			0	1220	1276	31	2778	0	
V/C Ratio(X)	0.00			0.57			0.00	0.67	0.68	0.58	0.23	0.00	
Avail Cap(c_a), veh/h	819			819			0	1368	1430	164	3326	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/veh				27.5			0.0	5.0	5.0	27.3	1.5	0.0	
Incr Delay (d2), s/veh	0.0			7.4			0.0	1.8	1.8	6.4	0.1	0.0	
Initial Q Delay(d3),s/veh				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh				0.2			0.0	2.2	2.3	0.3	0.0	0.0	
Unsig. Movement Delay				0/-0						00 -			
LnGrp Delay(d),s/veh	0.0			34.8			0.0	6.8	6.8	33.7	1.6	0.0	
LnGrp LOS	A			С			A	Α	Α	С	Α	Α	
Approach Vol, veh/h								1687			646		
Approach Delay, s/veh								6.8			2.5		
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)	, s5.4	45.0	5.7			50.4	0.0						
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm		* 44	26.0			52.9	26.0						
Max Q Clear Time (g_c⊣		17.2	2.4			4.6	0.0						
Green Ext Time (p_c), s	, .	21.6	0.0			9.1	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			5.8										
HCM 6th LOS			J.0										
Notes			, ,										

Synchro 10 Report

Intersection						
Int Delay, s/veh	0.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	VVDL	VV DIC	↑	אטוז	ODL	<u>\$61</u>
Traffic Vol, veh/h	0	5 8	T → 1368	44	0	TT 630
Future Vol, veh/h	0	58	1368	44	0	630
Conflicting Peds, #/hr	10	10	0	10	10	030
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	Stop -	None	riee -		riee -	None
Storage Length	-	0	_	-	_	INOHE
Veh in Median Storage		-	0	-	-	0
Grade, %	e, # 0 0	-	0	_	-	0
Peak Hour Factor	92	92	92	92	92	92
	3	3	3	3	3	3
Heavy Vehicles, %	0	63	1487	48		685
Mvmt Flow	U	63	148/	48	0	ბგე
Major/Minor	Minor1	ľ	Major1	N	/lajor2	
Conflicting Flow All	_	788	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	_	-	_	_
Critical Hdwy Stg 1	_	-	_	_	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	_	3.33	_	_	_	_
Pot Cap-1 Maneuver	0	332	-	_	0	_
Stage 1	0	-	_	_	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %			_	_		_
Mov Cap-1 Maneuver	_	326	_		_	_
Mov Cap-1 Maneuver		520			_	
Stage 1	-	-	_	_	-	-
· ·			-	-		-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	18.7		0		0	
HCM LOS	С					
NA: 1 (24) 24		NOT	NES	MDL 4	ODT	
Minor Lane/Major Mvn	nt	NBT		VBLn1	SBT	
Capacity (veh/h)		-	-		-	
HCM Lane V/C Ratio		-	-	0.193	-	
HCM Control Delay (s)	-	-		-	
HCM Lane LOS		-	-	С	-	
HCM 95th %tile Q(veh	1)	-	-	0.7	-	



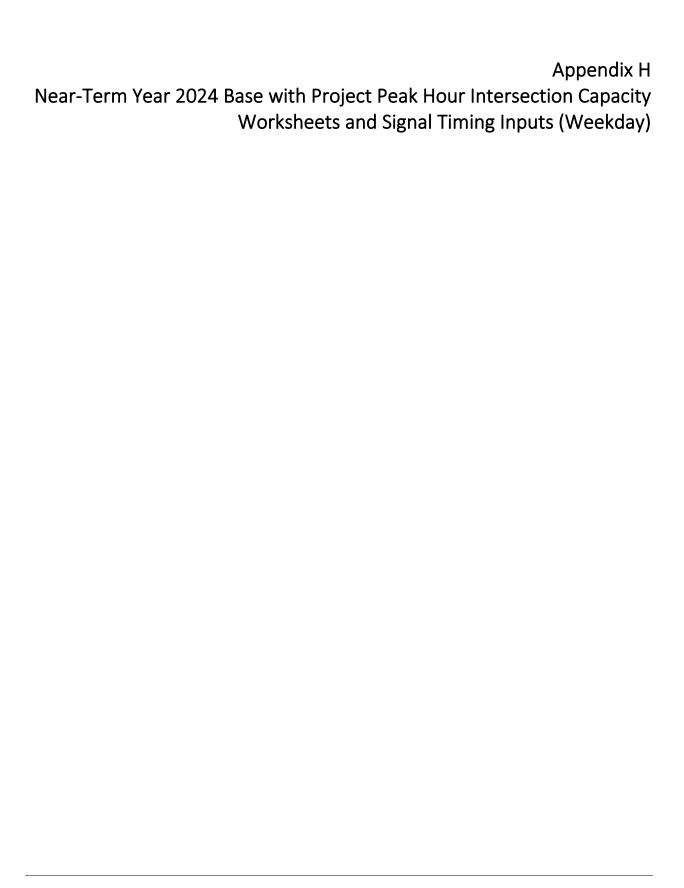
	۶	→	*	•	←	•	1	†	~	/	Ţ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	*	†		*	^	
Traffic Volume (veh/h)	0	0	0	277	0	287	70	280	180	208	236	0
Future Volume (veh/h)	0	0	0	277	0	287	70	280	180	208	236	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				330	0	271	76	304	174	260	295	0
Peak Hour Factor				0.84	0.92	0.84	0.92	0.92	0.92	0.80	0.80	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				768	0	352	95	590	327	319	1414	0
Arrive On Green				0.22	0.00	0.22	0.05	0.27	0.27	0.18	0.40	0.00
Sat Flow, veh/h				3428	0	1572	1767	2148	1190	1767	3618	0
Grp Volume(v), veh/h				330	0	271	76	248	230	260	295	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1576	1767	1763	0
Q Serve(g_s), s				3.9	0.0	7.7	2.0	5.6	5.9	6.7	2.6	0.0
Cycle Q Clear(g_c), s				3.9	0.0	7.7	2.0	5.6	5.9	6.7	2.6	0.0
Prop In Lane				1.00		1.00	1.00		0.76	1.00		0.00
Lane Grp Cap(c), veh/h				768	0	352	95	484	433	319	1414	0
V/C Ratio(X)				0.43	0.00	0.77	0.80	0.51	0.53	0.82	0.21	0.00
Avail Cap(c_a), veh/h				1809	0	830	336	826	738	470	1965	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				15.8	0.0	17.2	22.2	14.5	14.6	18.7	9.3	0.0
Incr Delay (d2), s/veh				0.1	0.0	1.3	5.6	2.4	2.9	4.2	0.2	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.2	0.0	2.3	0.8	2.0	1.9	2.5	0.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				15.9	0.0	18.6	27.8	16.9	17.5	22.9	9.5	0.0
LnGrp LOS				В	Α	В	С	В	В	С	Α	Α
Approach Vol, veh/h					601			554			555	
Approach Delay, s/veh					17.1			18.7			15.8	
Approach LOS					В			В			В	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	12.9	18.9			7.0	24.9		15.5				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	12.6	22.2			9.0	* 26		25.0				
Max Q Clear Time (g_c+I1), s	8.7	7.9			4.0	4.6		9.7				
Green Ext Time (p_c), s	0.1	4.5			0.0	3.4		1.0				
Intersection Summary												
HCM 6th Ctrl Delay			17.2									
HCM 6th LOS			В									
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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	×			Y		7		†		Ĭ	^		
Traffic Volume (veh/h)	0	0	0	14	0	10	0	528	10	34	558	0	
Future Volume (veh/h)	0	0	0	14	0	10	0	528	10	34	558	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	23	0	14	0	621	11	40	664	0	
Peak Hour Factor	0.92	0.92	0.92	0.62	0.62	0.62	0.85	0.85	0.85	0.84	0.84	0.84	
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0	
Cap, veh/h	6	0	0	41	0	0	0	1457	26	67	2112	0	
Arrive On Green	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.41	0.41	0.04	0.60	0.00	
Sat Flow, veh/h	1767	0		1767	23		0	3634	63	1767	3618	0	
Grp Volume(v), veh/h	0	0.0		23	18.6		0	309	323	40	664	0	
Grp Sat Flow(s), veh/h/lr				1767	В		0	1763	1841	1767	1763	0	
Q Serve(g_s), s	0.0			0.4			0.0	3.7	3.7	0.7	2.7	0.0	
Cycle Q Clear(g_c), s	0.0			0.4			0.0	3.7	3.7	0.7	2.7	0.0	
Prop In Lane	1.00			1.00			0.00		0.03	1.00		0.00	
Lane Grp Cap(c), veh/h				41			0	725	758	67	2112	0	
V/C Ratio(X)	0.00			0.56			0.00	0.43	0.43	0.60	0.31	0.00	
Avail Cap(c_a), veh/h	1563			1563			0	1361	1422	361	3946	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/vel				14.2			0.0	6.2	6.2	13.9	2.9	0.0	
Incr Delay (d2), s/veh	0.0			4.3			0.0	0.9	0.9	3.1	0.2	0.0	
Initial Q Delay(d3),s/veh				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh				0.2			0.0	0.6	0.6	0.2	0.1	0.0	
Unsig. Movement Delay				40.0			0.0	- ,	- 4	4= 4	0.4	0.0	
LnGrp Delay(d),s/veh	0.0			18.6			0.0	7.1	7.1	17.1	3.1	0.0	
LnGrp LOS	A			В			Α	A	Α	В	A	Α	
Approach Vol, veh/h								632			704		
Approach Delay, s/veh								7.1			3.9		
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)	, s5.5	18.3	5.6			23.8	0.0						
Change Period (Y+Rc),	s 4.4	* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm		* 23	26.0			32.9	26.0						
Max Q Clear Time (g_c	+112),7s	5.7	2.4			4.7	0.0						
Green Ext Time (p_c), s	0.0	6.0	0.0			8.4	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			5.6										
HCM 6th LOS			Α										

Intersection						
Int Delay, s/veh	0.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	†			^
Traffic Vol, veh/h	0	88	441	88	0	582
Future Vol, veh/h	0	88	441	88	0	582
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage	e,# 0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	96	479	96	0	633
Maiay/Minay	Minard		1-:1		1-i0	
	Minor1		//ajor1		/lajor2	
Conflicting Flow All	-	308	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.33	-	-	-	-
Pot Cap-1 Maneuver	0	685	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	672	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Annroach	WB		NB		SB	
Approach						
HCM Control Delay, s HCM LOS	11.2		0		0	
HCWI LOS	В					
Minor Lane/Major Mvn	nt	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		-	-		-	
HCM Lane V/C Ratio		-	-	0.142	-	
HCM Control Delay (s))	_	-		-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh	1)	-	-	0.5	-	

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				ሻሻ		7	*	†		7	^	
Traffic Volume (veh/h)	0	0	0	456	0	350	6	248	201	221	612	0
Future Volume (veh/h)	0	0	0	456	0	350	6	248	201	221	612	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				501	0	311	7	285	208	260	720	0
Peak Hour Factor				0.91	0.92	0.91	0.92	0.87	0.87	0.85	0.85	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				859	0	394	13	527	370	316	1562	0
Arrive On Green				0.25	0.00	0.25	0.01	0.27	0.27	0.18	0.44	0.00
Sat Flow, veh/h				3428	0	1572	1767	1938	1360	1767	3618	0
Grp Volume(v), veh/h	-			501	0	311	7	258	235	260	720	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1536	1767	1763	0
Q Serve(g_s), s				6.5	0.0	9.4	0.2	6.4	6.7	7.2	7.3	0.0
Cycle Q Clear(g_c), s				6.5	0.0	9.4	0.2	6.4	6.7	7.2	7.3	0.0
Prop In Lane				1.00		1.00	1.00		0.89	1.00		0.00
Lane Grp Cap(c), veh/h				859	0	394	13	479	417	316	1562	0
V/C Ratio(X)				0.58	0.00	0.79	0.53	0.54	0.56	0.82	0.46	0.00
Avail Cap(c_a), veh/h				1686	0	773	139	770	671	438	2178	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				16.7	0.0	17.8	25.1	15.8	15.9	20.1	9.9	0.0
Incr Delay (d2), s/veh				0.2	0.0	1.4	12.0	2.7	3.4	6.2	0.6	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				2.1	0.0	2.9	0.1	2.3	2.2	2.9	2.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				17.0	0.0	19.2	37.1	18.5	19.4	26.3	10.5	0.0
LnGrp LOS				В	Α	В	D	В	В	С	В	Α
Approach Vol, veh/h					812			500			980	
Approach Delay, s/veh					17.8			19.2			14.7	
Approach LOS					В			В			В	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	13.5	19.7			4.8	28.4		17.6				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	12.6	22.2			4.0	* 31		25.0				
Max Q Clear Time (g c+I1), s	9.2	8.7			2.2	9.3		11.4				
Green Ext Time (p_c), s	0.1	4.5			0.0	9.2		1.3				
Intersection Summary												
HCM 6th Ctrl Delay			16.8									
HCM 6th LOS			В									

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	*			ň		7		1		ň	^		
Traffic Volume (veh/h)	0	0	0	32	0	5	0	475	8	12	1084	0	
Future Volume (veh/h)	0	0	0	32	0	5	0	475	8	12	1084	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	57	0	7	0	586	9	14	1306	0	
Peak Hour Factor	0.92	0.92	0.92	0.56	0.56	0.56	0.81	0.81	0.81	0.83	0.83	0.83	
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0	
Cap, veh/h	5	0	0	84	0	0	0	1895	29	26	2337	0	
Arrive On Green	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.53	0.53	0.01	0.66	0.00	
Sat Flow, veh/h	1767	0		1767	57		0	3645	55	1767	3618	0	
Grp Volume(v), veh/h	0	0.0		57	21.5		0	291	304	14	1306	0	
Grp Sat Flow(s), veh/h/li				1767	С		0	1763	1844	1767	1763	0	
Q Serve(g_s), s	0.0			1.2			0.0	3.5	3.5	0.3	7.6	0.0	
Cycle Q Clear(g_c), s	0.0			1.2			0.0	3.5	3.5	0.3	7.6	0.0	
Prop In Lane	1.00			1.00			0.00		0.03	1.00		0.00	
Lane Grp Cap(c), veh/h				84			0	940	983	26	2337	0	
V/C Ratio(X)	0.00			0.68			0.00	0.31	0.31	0.55	0.56	0.00	
Avail Cap(c_a), veh/h	1199			1199			0	1086	1136	235	3028	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/vel				18.0			0.0	5.0	5.0	18.8	3.5	0.0	
Incr Delay (d2), s/veh	0.0			3.6			0.0	0.4	0.4	6.6	0.5	0.0	
Initial Q Delay(d3),s/veh				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh				0.5			0.0	0.5	0.5	0.1	0.2	0.0	
Unsig. Movement Delay				04.5			0.0	5 4	- 1	05.4	2.0	0.0	
LnGrp Delay(d),s/veh	0.0			21.5			0.0	5.4	5.4	25.4	3.9	0.0	
LnGrp LOS	A			С			A	A	Α	С	A	A	
Approach Vol, veh/h								595			1320		
Approach Delay, s/veh								5.4			4.2		
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)), s5.0	26.6	6.7			31.6	0.0						
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm	, .	* 24	26.0			32.9	26.0						
Max Q Clear Time (g_c	+112),3s	5.5	3.2			9.6	0.0						
Green Ext Time (p_c), s	0.0	5.8	0.1			15.8	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			5.0										
HCM 6th LOS			Α										

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Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	WDL			NDI	ODL	<u>↑</u>
Traffic Vol, veh/h	0	9	↑ ↑	31	0	TT 1074
Future Vol, veh/h	0	9	445	31	0	1074
Conflicting Peds, #/hr		10	445	10	10	0
			Free	Free	Free	Free
Sign Control RT Channelized	Stop -	Stop	riee -		riee -	None
Storage Length	-	0	-	None -	-	INOHE
Veh in Median Storag		-	0	-	-	0
Grade, %	je, # 0 0	-	0		-	0
				92		92
Peak Hour Factor	92	92	92		92	
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	10	484	34	0	1167
Major/Minor	Minor1	N	Major1	N	//ajor2	
Conflicting Flow All	_	279	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	_	6.96	_	-	_	_
Critical Hdwy Stg 1	_	-	_	_	-	-
Critical Hdwy Stg 2	_	-	-	_	_	_
Follow-up Hdwy	_	3.33	_	_	_	_
Pot Cap-1 Maneuver	0	715	_	_	0	_
Stage 1	0	-	_	_	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %	- 0		_	_	- 0	_
Mov Cap-1 Maneuver	_	701	-	_	_	_
Mov Cap-1 Maneuver		701	_	_		
Stage 1		-	-	-		
•	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	10.2		0		0	
HCM LOS	В					
J						
N		NET	MDD	MDL 4	ODT	
Minor Lane/Major Mvi	mt	NBT		VBLn1	SBT	
Capacity (veh/h)		-	-		-	
HCM Lane V/C Ratio		-	-	0.014	-	
HCM Control Delay (s	s)	-	-		-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(vel	h)	-	-	0	-	

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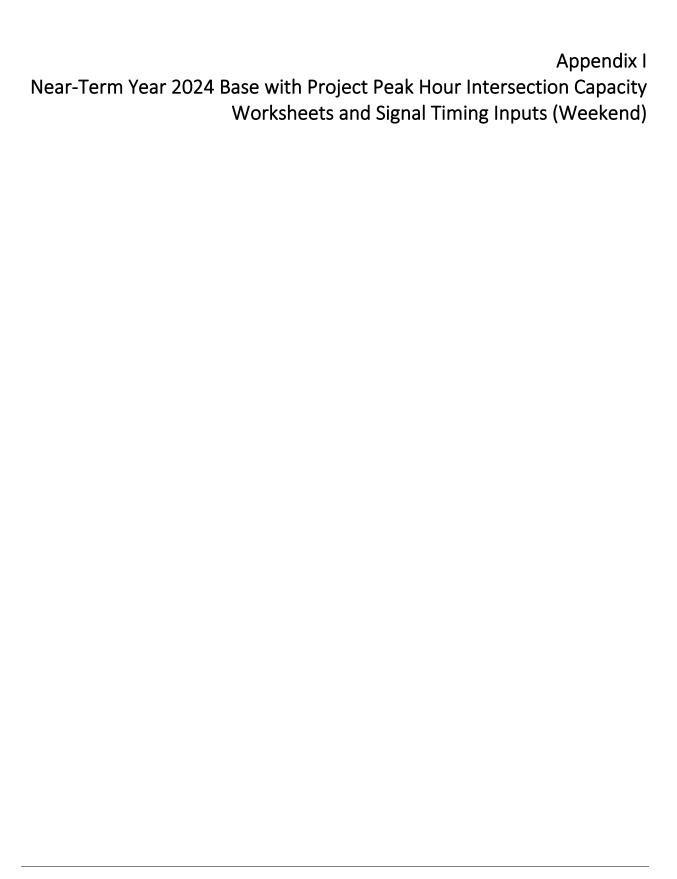
	۶	→	•	•	-	1	1	1	/	-	↓	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	*	†		*	^	
Traffic Volume (veh/h)	0	0	0	260	0	245	51	968	417	389	330	0
Future Volume (veh/h)	0	0	0	260	0	245	51	968	417	389	330	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				289	0	194	55	1139	432	401	340	0
Peak Hour Factor				0.90	0.92	0.90	0.92	0.85	0.85	0.97	0.97	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				483	0	221	71	1255	462	424	2478	0
Arrive On Green				0.14	0.00	0.14	0.04	0.50	0.50	0.24	0.70	0.00
Sat Flow, veh/h				3428	0	1572	1767	2496	919	1767	3618	0
Grp Volume(v), veh/h	-			289	0	194	55	794	777	401	340	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1653	1767	1763	0
Q Serve(g_s), s				10.3	0.0	15.8	4.0	53.2	57.5	29.1	4.1	0.0
Cycle Q Clear(g_c), s				10.3	0.0	15.8	4.0	53.2	57.5	29.1	4.1	0.0
Prop In Lane				1.00		1.00	1.00		0.56	1.00		0.00
Lane Grp Cap(c), veh/h				483	0	221	71	886	831	424	2478	0
V/C Ratio(X)				0.60	0.00	0.88	0.78	0.90	0.93	0.95	0.14	0.00
Avail Cap(c_a), veh/h				660	0	303	141	893	838	455	2478	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				52.6	0.0	54.9	62.0	29.3	30.4	48.7	6.4	0.0
Incr Delay (d2), s/veh				0.4	0.0	15.4	6.7	12.6	18.1	27.3	0.1	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				4.4	0.0	7.0	1.9	23.7	25.0	15.5	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				53.0	0.0	70.3	68.8	42.0	48.5	76.1	6.4	0.0
LnGrp LOS				D	Α	Е	Е	D	D	Е	Α	Α
Approach Vol, veh/h					483			1626			741	
Approach Delay, s/veh					60.0			46.0			44.1	
Approach LOS					Е			D			D	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	35.7	71.5			9.6	97.6		23.3				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	33.6	66.1			10.4	* 90		25.1				
Max Q Clear Time (g c+l1), s	31.1	59.5			6.0	6.1		17.8				
Green Ext Time (p_c), s	0.2	6.1			0.0	5.3		0.6				
Intersection Summary												
HCM 6th Ctrl Delay			47.9									
HCM 6th LOS			D									

Movement EBL EBT EBR WBL WBT WBR NBL NBT NBR SBL SBT SBR
Lane Configurations
Traffic Volume (veh/h) 0 0 13 0 6 0 1417 23 22 614 0 Future Volume (veh/h) 0 0 0 13 0 6 0 1417 23 22 614 0 Initial Q (Qb), veh 0
Future Volume (veh/h) 0 0 0 13 0 6 0 1417 23 22 614 0 Initial Q (Qb), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Q (Qb), veh
Ped-Bike Adj(A_pbT) 1.00 </td
Parking Bus, Adj 1.00
Work Zone On Ápproach No No No No No No No No No Adj Sat Flow, veh/h/In 1856 0 0 1856 0
Adj Sat Flow, veh/h/In 1856 0 0 1856 0 1856 0 1856 0 1856 0 1856 0 1856 0 1856 0 1856 0 1856 0 0 0 0 1 0 0 1856 0 1856 1856 0 0 0 0 1 0 0 0 1856 0 1856 0
Adj Flow Rate, veh/h 0 0 14 0 5 0 1667 26 23 633 0 Peak Hour Factor 0.92 0.92 0.92 0.94 0.94 0.85 0.85 0.85 0.97 0.97 Percent Heavy Veh, % 3 0 0 3 0 3 3 3 3 3 3 0 Cap, veh/h 3 0 0 25 0 0 0 2450 38 38 2783 0 Arrive On Green 0.00 0.00 0.01 0.00 0.00 0.69 0.69 0.02 0.79 0.00 Sat Flow, veh/h 1767 0 1767 14 0 3644 55 1767 3618 0 Grp Volume(v), veh/h 0 0.0 14 35.1 0 826 867 23 633 0 Grp Volume(v), veh/h 0 0.0 0 1767 <
Peak Hour Factor 0.92 0.92 0.92 0.94 0.94 0.94 0.85 0.85 0.85 0.97 0.97 Percent Heavy Veh, % 3 0 0 3 0 3 0 3 3 3 3 0 Cap, veh/h 3 0 0 25 0 0 0 2450 38 38 2783 0 Arrive On Green 0.00 0.00 0.00 0.00 0.00 0.69 0.69 0.02 0.79 0.00 Sat Flow, veh/h 1767 0 1767 14 0 3644 55 1767 3618 0 Grp Volume(v), veh/h 0 0.0 14 35.1 0 826 867 23 633 0 Grp Sat Flow(s), veh/h/In1767 1767 D 0 1763 1844 1767 1763 0 QServe(g_s), s 0.0 0 4 0.0 15.4 1
Percent Heavy Veh, % 3 0 0 3 0 3 0 3 3 3 3 3 0 0 0 0 0 0 0
Cap, veh/h 3 0 0 25 0 0 0 2450 38 38 2783 0 Arrive On Green 0.00 0.00 0.00 0.00 0.00 0.69 0.69 0.02 0.79 0.00 Sat Flow, veh/h 1767 0 1767 14 0 3644 55 1767 3618 0 Grp Volume(v), veh/h 0 0.0 14 35.1 0 826 867 23 633 0 Grp Sat Flow(s), veh/h/ln1767 1767 D 0 1763 1844 1767 1763 0 Q Serve(g_s), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Cycle Q Clear(g_c), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0
Arrive On Green 0.00
Sat Flow, veh/h 1767 0 1767 14 0 3644 55 1767 3618 0 Grp Volume(v), veh/h 0 0.0 14 35.1 0 826 867 23 633 0 Grp Sat Flow(s), veh/h/ln1767 1767 D 0 1763 1844 1767 1763 0 Q Serve(g_s), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Cycle Q Clear(g_c), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0
Grp Volume(v), veh/h 0 0.0 14 35.1 0 826 867 23 633 0 Grp Sat Flow(s),veh/h/In1767 1767 D 0 1763 1844 1767 1763 0 Q Serve(g_s), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Cycle Q Clear(g_c), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Grp Sat Flow(s),veh/h/ln1767 1767 D 0 1763 1844 1767 1763 0 Q Serve(g_s), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Cycle Q Clear(g_c), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.0 0.0 0.0
Q Serve(g_s), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Cycle Q Clear(g_c), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.0
Cycle Q Clear(g_c), s 0.0 0.4 0.0 15.4 15.5 0.7 2.6 0.0 Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00<
Prop In Lane 1.00 1.00 0.00 0.03 1.00 0.00 Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
Lane Grp Cap(c), veh/h 3 25 0 1216 1272 38 2783 0 V/C Ratio(X) 0.00 0.57 0.00 0.68 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
V/C Ratio(X) 0.00 0.57 0.00 0.68 0.68 0.61 0.23 0.00 Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00 <t< td=""></t<>
Avail Cap(c_a), veh/h 814 814 0 1358 1420 163 3303 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
HCM Platoon Ratio 1.00 1.
Upstream Filter(I) 0.00 1.00 0.00 1.00 1.00 1.00 0.00 Uniform Delay (d), s/veh 0.0 27.7 0.0 5.1 5.1 27.4 1.5 0.0 Incr Delay (d2), s/veh 0.0 7.4 0.0 1.9 1.8 5.7 0.1 0.0 Initial Q Delay(d3),s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Uniform Delay (d), s/veh 0.0 27.7 0.0 5.1 5.1 27.4 1.5 0.0 Incr Delay (d2), s/veh 0.0 7.4 0.0 1.9 1.8 5.7 0.1 0.0 Initial Q Delay(d3),s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Uniform Delay (d), s/veh 0.0 27.7 0.0 5.1 5.1 27.4 1.5 0.0 Incr Delay (d2), s/veh 0.0 7.4 0.0 1.9 1.8 5.7 0.1 0.0 Initial Q Delay(d3),s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Incr Delay (d2), s/veh 0.0 7.4 0.0 1.9 1.8 5.7 0.1 0.0 Initial Q Delay(d3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Initial Q Delay(d3),s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0
• • • • • • • • • • • • • • • • • • •
Unsig. Movement Delay, s/veh
LnGrp Delay(d),s/veh 0.0 35.1 0.0 7.0 33.1 1.6 0.0
LnGrp LOS A D A A A C A A
Approach Vol, veh/h 1693 656
Approach Delay, s/veh 7.0 2.7
Approach LOS A A
Timer - Assigned Phs 1 2 3 6 7
Phs Duration (G+Y+Rc), s5.6 45.2 5.7 50.8 0.0
Change Period (Y+Rc), s 4.4 * 6.2 4.9 6.2 4.9
Max Green Setting (Gmax5,2 * 44 26.0 52.9 26.0
Max Q Clear Time (g_c+l12,7s 17.5 2.4 4.6 0.0
Green Ext Time (p_c), s 0.0 21.4 0.0 9.2 0.0
Intersection Summary
HCM 6th Ctrl Delay 6.0
,
HCM 6th LOS A

08/17/2021 Synchro 10 Report

Intersection						
Int Delay, s/veh	0.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	†			^
Traffic Vol, veh/h	0	67	1368	53	0	639
Future Vol, veh/h	0	67	1368	53	0	639
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	_	0	_	-	_	-
Veh in Median Storage	e,# 0	_	0	_	_	0
Grade, %	0	_	0	_	_	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mymt Flow	0	73	1487	58	0	695
IVIVIII(I IOW	U	7.5	1401	30	U	033
Major/Minor	Minor1	N	Major1	N	//ajor2	
Conflicting Flow All	-	793	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.33	_	-	_	-
Pot Cap-1 Maneuver	0	329	_	-	0	_
Stage 1	0	-	_	-	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %	J		_	_	•	_
Mov Cap-1 Maneuver	_	323	_	_	_	_
Mov Cap 1 Maneuver	_	-	_	_	_	_
Stage 1	_	_	_	_	_	_
•		_		_	_	_
Stage 2	-	-	_	-	-	_
Approach	WB		NB		SB	
HCM Control Delay, s	19.4		0		0	
HCM LOS	С					
		NET	MES	A/DL 4	057	
Minor Lane/Major Mvn	nt	NBT	NBKV	VBLn1	SBT	
Capacity (veh/h)		-	-	323	-	
HCM Lane V/C Ratio		-	-	0.225	-	
HCM Control Delay (s)		-	-	19.4	-	
HCM Lane LOS		-	-	С	-	
HCM 95th %tile Q(veh)	-	-	0.8	-	
HCM 95th %tile Q(veh)	-	-	8.0	-	

08/17/2021 Synchro 10 Report

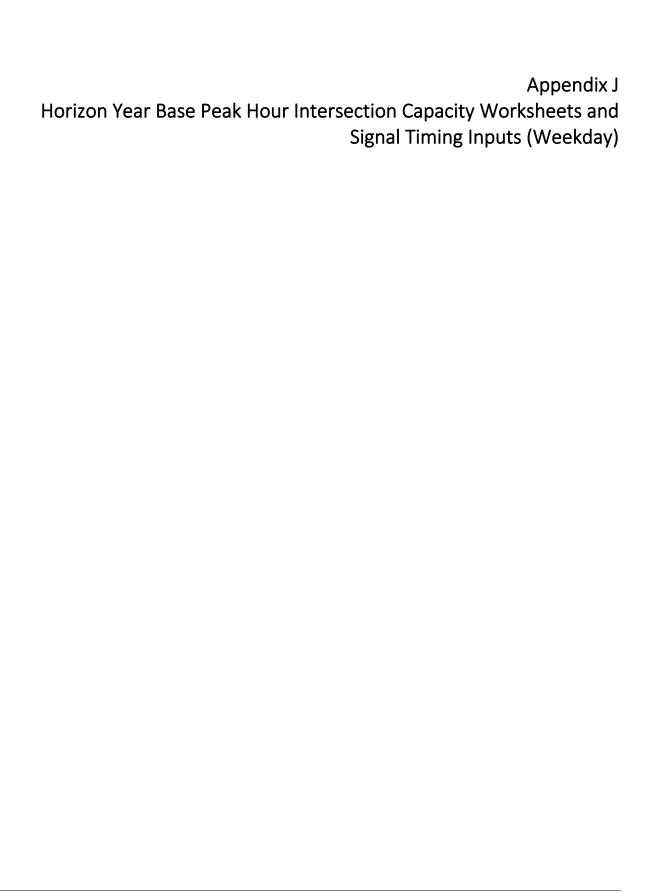


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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	*	†		*	*	
Traffic Volume (veh/h)	0	0	0	278	0	287	75	284	181	208	240	0
Future Volume (veh/h)	0	0	0	278	0	287	75	284	181	208	240	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach				1050	No	1050	4050	No	1050	1050	No	•
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				331	0	271	82	309	175	260	300	0
Peak Hour Factor				0.84	0.92	0.84	0.92	0.92	0.92	0.80	0.80	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				768	0	352	103	596	327	319	1403	0
Arrive On Green				0.22	0.00	0.22	0.06	0.28	0.28	0.18	0.40	0.00
Sat Flow, veh/h				3428	0	1572	1767	2157	1184	1767	3618	0
Grp Volume(v), veh/h				331	0	271	82	251	233	260	300	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1578	1767	1763	0
Q Serve(g_s), s				3.9	0.0	7.7	2.2	5.7	6.0	6.7	2.7	0.0
Cycle Q Clear(g_c), s				3.9	0.0	7.7	2.2	5.7	6.0	6.7	2.7	0.0
Prop In Lane				1.00	•	1.00	1.00	407	0.75	1.00	4.400	0.00
Lane Grp Cap(c), veh/h				768	0	352	103	487	436	319	1403	0
V/C Ratio(X)				0.43	0.00	0.77	0.79	0.52	0.54	0.82	0.21	0.00
Avail Cap(c_a), veh/h				1802	0	826	338	823	736	468	1949	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				15.9 0.1	0.0	17.3 1.4	22.1 5.1	14.5 2.4	14.6	18.7 4.3	9.4	0.0
Incr Delay (d2), s/veh				0.1	0.0	0.0	0.0	0.0	3.0 0.0	0.0	0.2	0.0
Initial Q Delay(d3),s/veh %ile BackOfQ(50%),veh/ln				1.2	0.0	2.3	0.0	2.0	1.9	2.5	0.0	0.0
Unsig. Movement Delay, s/veh				1.2	0.0	2.3	0.9	2.0	1.9	2.5	0.7	0.0
LnGrp Delay(d),s/veh				16.0	0.0	18.7	27.2	17.0	17.6	23.1	9.6	0.0
LnGrp LOS				В	Α	В	21.2 C	17.0 B	17.0 B	23.1 C	9.0 A	0.0 A
				В	602	ь		566	ь		560	
Approach Vol, veh/h Approach Delay, s/veh					17.2			18.7			15.9	
Approach LOS					17.2 B			10.7 B			15.9 B	
Approach LOS					D						D	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	13.0	19.0			7.2	24.8		15.6				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	12.6	22.2			9.1	* 26		25.0				
Max Q Clear Time (g_c+I1), s	8.7	8.0			4.2	4.7		9.7				
Green Ext Time (p_c), s	0.1	4.6			0.0	3.5		1.0				
Intersection Summary												
HCM 6th Ctrl Delay			17.3									
HCM 6th LOS			В									

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	×			×		7		1		Y	^		
Traffic Volume (veh/h)	0	0	0	14	0	10	0	533	10	39	563	0	
Future Volume (veh/h)	0	0	0	14	0	10	0	533	10	39	563	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	23	0	14	0	627	11	46	670	0	
Peak Hour Factor	0.92	0.92	0.92	0.62	0.62	0.62	0.85	0.85	0.85	0.84	0.84	0.84	
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0	
Cap, veh/h	6	0	0	41	0	0	0	1457	26	75	2124	0	
Arrive On Green	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.41	0.41	0.04	0.60	0.00	
Sat Flow, veh/h	1767	0		1767	23		0	3635	62	1767	3618	0	
Grp Volume(v), veh/h	0	0.0		23	18.7		0	312	326	46	670	0	
Grp Sat Flow(s), veh/h/li				1767	В		0	1763	1842	1767	1763	0	
Q Serve(g_s), s	0.0			0.4			0.0	3.8	3.8	0.8	2.8	0.0	
Cycle Q Clear(g_c), s	0.0			0.4			0.0	3.8	3.8	0.8	2.8	0.0	
Prop In Lane	1.00			1.00			0.00	705	0.03	1.00	0404	0.00	
Lane Grp Cap(c), veh/h				41			0	725	758	75	2124	0	
V/C Ratio(X)	0.00			0.56			0.00	0.43	0.43	0.61	0.32	0.00	
Avail Cap(c_a), veh/h	1550			1550			0	1344	1404	364	3912	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00 14.0	1.00	0.00	
Uniform Delay (d), s/veh	n 0.0 0.0			14.3 4.4			0.0	1.0	0.9	3.0	2.9	0.0	
Incr Delay (d2), s/veh				0.0			0.0	0.0	0.9	0.0	0.2	0.0	
Initial Q Delay(d3),s/veh %ile BackOfQ(50%),veh				0.0			0.0	0.6	0.6	0.0	0.0	0.0	
Unsig. Movement Delay				0.2			0.0	0.0	0.0	0.5	0.1	0.0	
LnGrp Delay(d),s/veh	0.0			18.7			0.0	7.2	7.2	16.9	3.1	0.0	
LnGrp LOS	Α			В			Α	Α	Α	В	Α	Α	
Approach Vol, veh/h							, <u>, , , , , , , , , , , , , , , , , , </u>	638	, <u>, , , , , , , , , , , , , , , , , , </u>		716		
Approach Delay, s/veh								7.2			4.0		
Approach LOS								Α			Α.		
•													
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)		18.4	5.6			24.1	0.0						
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm		* 23	26.0			32.9	26.0						
Max Q Clear Time (g_c	, .	5.8 6.0	2.4			4.8 8.5	0.0						
Green Ext Time (p_c), s	0.0	0.0	0.0			0.5	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			5.7										
HCM 6th LOS			Α										

Intersection						
Int Delay, s/veh	0.9					
		WED	NDT	NDD	001	ODT
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	^	7	†	^7	^	^
Traffic Vol, veh/h	0	97	441	97	0	591
Future Vol, veh/h	0	97	441	97	0	591
Conflicting Peds, #/hr	10	10	0	10	_ 10	_ 0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage,		-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	105	479	105	0	642
Major/Minor N	1inor1	N	Major1	,	/lajor2	
Conflicting Flow All	-	312	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.33	-	-	-	-
Pot Cap-1 Maneuver	0	681	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	668	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	_
Stage 1	_	-	-	-	_	_
Stage 2	_	_	_	_	_	_
Jugo L						
Approach	WB		NB		SB	
HCM Control Delay, s	11.4		0		0	
HCM LOS	В					
Minor Lane/Major Mvmt		NBT	NIPDI	WBLn1	SBT	
Capacity (veh/h)		-	-	000	-	
HCM Lane V/C Ratio		-		0.158	-	
HCM Control Delay (s)		-	-		-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh)		-	-	0.6	-	

08/17/2021 Synchro 10 Report



Movement EBL EBT EBR WBL WBT WBR NBL NBT NBR SBL SBT SBR Lane Configurations Traffic Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Future Volume (veh/h) 0 1 0 0 1.00 1.00 1.00 1.00 1.00 1.00		۶	→	*	•	←	•	1	1	~	/	Ţ	4
Traffic Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 Initial O (Ob), veh 0 0 0 553 0 390 24 369 399 340 924 0 Initial O (Ob), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Movement	EBL	EBT	EBR		WBT				NBR			SBR
Future Volume (veh/h) 0 0 0 553 0 390 24 369 399 340 924 0 0 initial Q (Qb), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Initial Q (Qb), weh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													0
Ped-Bike Adji(A_pbT)		0	0	0									
Parking Bus, Adj						0			0			0	
Work Zone On Approach	, , , ,												
Adj Sat Flow, veh/h/In 1856 0 1856 </td <td></td> <td></td> <td></td> <td></td> <td>1.00</td> <td></td> <td>1.00</td> <td>1.00</td> <td></td> <td>1.00</td> <td>1.00</td> <td></td> <td>1.00</td>					1.00		1.00	1.00		1.00	1.00		1.00
Adj Flow Rate, veh/h Peak Hour Factor 0.95 0.92 0.95 0.92 0.95 0.92 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95													
Peak Hour Factor 0.95 0.92 0.95 0.92 0.95 0.	•												
Percent Heavy Veh, %													
Cap, veh/h 828 0 380 39 536 458 403 1797 0 Arrive On Green 0.24 0.00 0.24 0.02 0.30 0.30 0.23 0.51 0.00 Sat Flow, veh/h 582 0 316 26 388 367 358 973 0 Grp Sat Flow(s), veh/h/In 1714 0 1572 1767 1763 1506 1767 1763 0 Oserve(g.s), s 10.4 0.0 12.8 1.0 13.2 15.0 13.2 15.0 13.2 15.0 13.2 15.0 13.2 15.0 13.2 15.0 13.2 15.0 13.2 15.0 13.2 15.0 10.0													
Arrive On Green													
Sat Flow, veh/h S82													
Grp Volume(v), veh/h 582 0 316 26 388 367 358 973 0 Grp Sat Flow(s), veh/h/ln 1714 0 1572 1767 1763 1506 1767 1763 0 Q Serve(g. s), s 10.4 0.0 12.8 1.0 13.2 15.0 13.2 12.5 0.0 Cycle Q Clear(g. c), s 10.4 0.0 12.8 1.0 13.2 15.0 13.2 12.5 0.0 Prop In Lane 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 Lane Grp Cap(c), veh/h 828 0 380 39 536 458 403 1797 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 <td></td>													
Grp Sat Flow(s), veh/h/lin 1714 0 1572 1767 1763 1506 1767 1763 0 Q Serve(g_s), s 10.4 0.0 12.8 1.0 13.2 15.0 13.2 12.5 0.0 Cycle Q Clear(g_c), s 10.4 0.0 12.8 1.0 13.2 15.0 13.2 12.5 0.0 Prop In Lane 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 Lane Grp Cap(c), veh/h 828 0 380 39 536 458 403 1797 0 V/C Ratio(X) 0.70 0.00 0.83 0.66 0.72 0.80 0.89 0.54 0.00 Avail Cap(c_a), veh/h 1277 0 586 147 583 498 463 1828 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 <td>Sat Flow, veh/h</td> <td></td>	Sat Flow, veh/h												
Q Serve(g_s), s	Grp Volume(v), veh/h												
Cycle Q Clear(g_c), s 10.4 0.0 12.8 1.0 13.2 15.0 13.2 12.5 0.0 Prop In Lane 1.00 1.00 1.00 1.00 1.00 0.00 0.00 Lane GFD Cap(c), veh/h 828 0 380 39 536 458 403 1797 0 V/C Ratio(X) 0.70 0.00 0.83 0.66 0.72 0.80 0.89 0.54 0.00 Avail Cap(c_a), veh/h 1277 0 586 147 583 498 463 1828 0 HCM Platoon Ratio 1.00	Grp Sat Flow(s),veh/h/ln							1767		1506		1763	
Prop In Lane	Q Serve(g_s), s												
Lane Grp Cap(c), veh/h 828	Cycle Q Clear(g_c), s					0.0		1.0	13.2	15.0		12.5	
V/C Ratio(X) 0.70 0.00 0.83 0.66 0.72 0.80 0.89 0.54 0.00 Avail Cap(c_a), veh/h 1277 0 586 147 583 498 463 1828 0 HCM Platoon Ratio 1.00	Prop In Lane				1.00		1.00	1.00		1.00	1.00		0.00
Avail Cap(c_a), veh/h	Lane Grp Cap(c), veh/h				828	0	380	39	536	458	403	1797	0
HCM Platoon Ratio	V/C Ratio(X)				0.70	0.00	0.83	0.66		0.80		0.54	0.00
Upstream Filter(I)	Avail Cap(c_a), veh/h				1277	0	586	147	583	498	463	1828	0
Uniform Delay (d), s/veh	HCM Platoon Ratio					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incr Delay (d2), s/veh	Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Initial Q Delay(d3),s/veh	Uniform Delay (d), s/veh				23.3	0.0	24.2	32.6		21.5	25.1	11.1	0.0
%ile BackOfQ(50%), veh/In 3.8 0.0 4.5 0.5 5.5 5.9 6.5 3.8 0.0 Unsig. Movement Delay, s/veh 23.7 0.0 27.6 39.3 27.1 32.8 40.9 11.9 0.0 LnGrp LOS C A C D C C D B A Approach Vol, veh/h 898 781 1331 1331 1331 14.7 15.7	Incr Delay (d2), s/veh				0.4	0.0	3.4	6.8	6.3	11.3	15.8	0.8	0.0
Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh LnGrp LOS C A C D C D B A Approach Vol, veh/h Approach Delay, s/veh 25.1 Approach LOS C C B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 19.7 Change Period (Y+Rc), s 4.4 5.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 Max Q Clear Time (g_c+I1), s 15.2 Intersection Summary HCM 6th Ctrl Delay 23.7 0.0 27.6 39.3 27.1 32.8 40.9 11.9 0.0 C D B A Approach LOS C C D B Approach LOS C C B B Approach LOS C C B Approach LOS B Approach LOS C B Approach LOS C B Approach LOS Approach LOS Approach LOS Approach LOS C B Approach LOS A	Initial Q Delay(d3),s/veh												
LnGrp Delay(d),s/veh 23.7 0.0 27.6 39.3 27.1 32.8 40.9 11.9 0.0 LnGrp LOS C A C D C C D B A Approach Vol, veh/h 898 781 1331 1331 Approach Delay, s/veh 25.1 30.2 19.7 Approach LOS C C C B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 19.7 26.3 5.9 40.1 21.1 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 *35 25.0 Max Q Clear Time (g_c+I1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0					3.8	0.0	4.5	0.5	5.5	5.9	6.5	3.8	0.0
LnGrp LOS C A C D C C D B A Approach Vol, veh/h 898 781 1331	Unsig. Movement Delay, s/veh												
Approach Vol, veh/h 898 781 1331 Approach Delay, s/veh 25.1 30.2 19.7 Approach LOS C C B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 19.7 26.3 5.9 40.1 21.1 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 *35 25.0 Max Q Clear Time (g_c+I1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0	LnGrp Delay(d),s/veh				23.7	0.0	27.6	39.3			40.9	11.9	0.0
Approach Delay, s/veh	LnGrp LOS				С	Α	С	D	С	С	D	В	A
Approach LOS C C B Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 19.7 26.3 5.9 40.1 21.1 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 *35 25.0 Max Q Clear Time (g_c+I1), s 15.2 17.0 3.0 14.5 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 Intersection Summary HCM 6th Ctrl Delay 24.0	Approach Vol, veh/h					898			781			1331	
Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 19.7 26.3 5.9 40.1 21.1 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 * 35 25.0 Max Q Clear Time (g_c+I1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0	Approach Delay, s/veh					25.1			30.2			19.7	
Phs Duration (G+Y+Rc), s 19.7 26.3 5.9 40.1 21.1 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 * 35 25.0 Max Q Clear Time (g_c+l1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0	Approach LOS					С			С			В	
Phs Duration (G+Y+Rc), s 19.7 26.3 5.9 40.1 21.1 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 * 35 25.0 Max Q Clear Time (g_c+l1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0	Timer - Assigned Phs	1	2			5	6		8				
Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 17.6 22.2 5.6 * 35 25.0 Max Q Clear Time (g_c+I1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0		19.7	26.3			5.9	40.1		21.1				
Max Green Setting (Gmax), s 17.6 22.2 5.6 * 35 25.0 Max Q Clear Time (g_c+l1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0	()												
Max Q Clear Time (g_c+l1), s 15.2 17.0 3.0 14.5 14.8 Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0													
Green Ext Time (p_c), s 0.2 3.2 0.0 11.8 1.4 Intersection Summary HCM 6th Ctrl Delay 24.0													
HCM 6th Ctrl Delay 24.0													
HCM 6th Ctrl Delay 24.0	Intersection Summary												
				24.0									
	HCM 6th LOS			C									

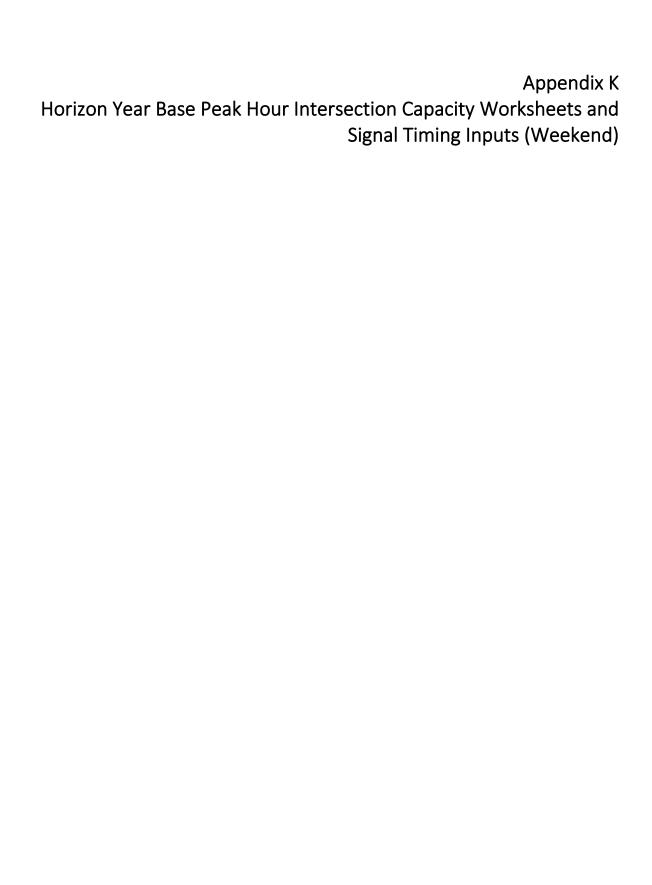
	۶	→	*	•	←	*	1	†	-	1	↓	✓	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	*			*		1		† \$		*	^		
Traffic Volume (veh/h)	0	0	0	31	0	5	0	567	8	23	955	0	
Future Volume (veh/h)	0	0	0	31	0	5	0	567	8	23	955	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00	•	1.00	1.00		0.97	1.00	Ū	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No	1.00	1.00	No	1.00	1.00	No	1.00	1.00	No	1.00	
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	33	0	4	0	597	7	24	1005	0	
Peak Hour Factor	0.92	0.92	0.92	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	
Percent Heavy Veh, %	3	0.52	0.32	3	0.50	3	0.50	3	3	3	3	0.50	
Cap, veh/h	6	0	0	56	0	0	0	1638	19	42	2189	0	
Arrive On Green	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.46	0.46	0.02	0.62	0.00	
Sat Flow, veh/h	1767	0.00	0.00	1767	33	0.00	0.00	3660	42	1767	3618	0.00	
Grp Volume(v), veh/h	0	0.0		33	18.9		0	295	309	24	1005	0	
Grp Sat Flow(s), veh/h/li				1767	В		0	1763	1846	1767	1763	0	
Q Serve(g_s), s	0.0			0.6			0.0	3.5	3.5	0.4	4.8	0.0	
Cycle Q Clear(g_c), s	0.0			0.6			0.0	3.5	3.5	0.4	4.8	0.0	
Prop In Lane	1.00			1.00			0.00		0.02	1.00		0.00	
Lane Grp Cap(c), veh/h				56			0	810	848	42	2189	0	
V/C Ratio(X)	0.00			0.59			0.00	0.36	0.36	0.57	0.46	0.00	
Avail Cap(c_a), veh/h	1437			1437			0	1301	1363	282	3629	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/vel				15.3			0.0	5.6	5.6	15.4	3.2	0.0	
Incr Delay (d2), s/veh	0.0			3.6			0.0	0.6	0.6	4.3	0.3	0.0	
Initial Q Delay(d3),s/vel	n 0.0			0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),vel	h/In0.0			0.2			0.0	0.5	0.5	0.2	0.1	0.0	
Unsig. Movement Delay	y, s/veh												
LnGrp Delay(d),s/veh	0.0			18.9			0.0	6.3	6.2	19.8	3.6	0.0	
LnGrp LOS	Α			В			Α	Α	Α	В	Α	Α	
Approach Vol, veh/h								604			1029		
Approach Delay, s/veh								6.2			3.9		
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)	\ cE 2	20.9					0.0						
•	, .	* 6.2	5.9			26.0							
Change Period (Y+Rc),			4.9			6.2	4.9						
Max Green Setting (Gm	, ,	* 24	26.0			32.9	26.0						
Max Q Clear Time (g_c		5.5	2.6			6.8	0.0						
Green Ext Time (p_c), s	5 0.0	5.9	0.0			13.0	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			5.1										
HCM 6th LOS			Α										
Notos													

Intersection						
Int Delay, s/veh	0					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	TYDL	VVDIX	†	אטוז	ODL	†
Traffic Vol, veh/h	0	5	T № 787	25	0	TT 1478
Future Vol, veh/h	0	5	787	25	0	1478
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	Stop -	None	-		-	None
Storage Length	_	0	_	-	_	INOHE
	, # 0		0	-		0
Veh in Median Storage	0	-	0		-	0
Grade, %		-		-	-	92
Peak Hour Factor	92	92	92	92	92	
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	5	855	27	0	1607
Major/Minor N	Minor1	N	Major1	N	/lajor2	
Conflicting Flow All	_	461	0	0		_
Stage 1	_	-	-	-	_	_
Stage 2	_	_	_	_	_	_
Critical Hdwy	_	6.96	_	_	_	_
Critical Hdwy Stg 1	_	0.50	_	_	_	_
Critical Hdwy Stg 2	_	_	_	_	_	_
Follow-up Hdwy	_	3.33	_	_	_	_
Pot Cap-1 Maneuver	0	545		_	0	
•	0	- 545	-		0	
Stage 1			-	-		-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-0-	-	-		-
Mov Cap-1 Maneuver	-	535	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	11.8		0		0	
HCM LOS	В		U		U	
I IOIVI LOS	D					
Minor Lane/Major Mvm	ıt	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		-	-	535	-	
HCM Lane V/C Ratio		-	-	0.01	-	
HCM Control Delay (s)		-	-	11.8	-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh)		-	-	0	-	

Movement EBL EBT EBR WBL WBT WBR NBL NBT NBR SBL SBT SBR Lane Configurations Third Type The State The St		۶	→	*	•	←	•	1	†	~	/	Ţ	4
Traffic Volume (veh/h)	Movement	EBL	EBT	EBR		WBT				NBR			SBR
Future Volume (veh/h) 0 0 0 304 0 430 66 964 417 370 424 0 0 nitial Q (Qb), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Initial Q (Qb), weh													0
Pack Bike Adj(A_pbT)		0	0	0									
Parking Bus, Adj						0			0			0	
Work Zone On Ápproach	, ,												
Adj Sat Flow, veh/h/In 1856 0 1856 </td <td></td> <td></td> <td></td> <td></td> <td>1.00</td> <td></td> <td>1.00</td> <td>1.00</td> <td></td> <td>1.00</td> <td>1.00</td> <td></td> <td>1.00</td>					1.00		1.00	1.00		1.00	1.00		1.00
Adj Flow Rate, veh/h Peak Hour Factor 0.95 0.92 0.95 0.92 0.95 0.92 0.95 0.92 0.95 0.97 0.97 0.97 0.92 0.95 0.97 0.97 0.97 0.92 0.95 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97													
Peak Hour Factor 0.95 0.92 0.95 0.92 0.95 0.95 0.97 0.97 0.92 Percent Heavy Veh, % 3 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3													
Percent Heavy Veh, %													
Cap, veh/h 784 0 360 92 1099 390 348 2047 0 Arrive On Green 0.23 0.00 0.23 0.05 0.44 0.20 0.58 0.00 Sat Flow, veh/h 3428 0 1572 1767 2523 895 1767 3618 0 Gry Volume(v), veh/h 320 0 337 72 705 675 381 437 0 Gry Sat Flow(s), veh/h/In 1714 0 1572 1767 1763 1666 1767 1763 0 Q Serve(g. s), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Cycle Q Clear(g. c), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Prop In Lane 1.00 0.0 1.00 1.00 1.00 1.00 1.00 0.0 0.54 1.00 0.00 Lane Gry Cap(c), veh/h <													
Arrive On Green													
Sat Flow, veh/h 3428													
Grp Volume(v), veh/h 320 0 337 72 705 675 381 437 0 Grp Sat Flow(s), veh/h/ln 1714 0 1572 1767 1763 1656 1767 1763 0 Q Serve(g. s), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Cycle Q Clear(g. c), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Prop In Lane 1.00 1.00 1.00 1.00 0.54 1.00 0.00 Lane Grp Cap(c), veh/h 784 0 360 92 768 721 348 2047 0 V/C Ratio(X) 0.41 0.00 0.94 0.78 0.92 0.94 1.09 0.0 V/C Ratio(X) 0.41 0.00 0.07 0.07 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0													
Grp Sat Flow(s), veh/h/ln 1714 0 1572 1767 1763 1656 1767 1763 0 Q Serve(g_s), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Cycle Q Clear(g_c), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Drop In Lane 1.00 1.00 1.00 1.00 0.54 1.00 0.00 Lane Grp Cap(c), veh/h 784 0 360 92 768 721 348 2047 0 V/C Ratio(X) 0.41 0.00 0.94 0.78 0.92 0.94 1.09 0.21 0.00 Avail Cap(c_a), veh/h 785 0 360 171 773 726 348 2047 0 HCM Platon Ratio 1.00	Sat Flow, veh/h												
Serve(g_s), s	Grp Volume(v), veh/h												
Cycle Q Clear(g_c), s 8.7 0.0 23.1 4.4 41.2 42.6 21.6 6.5 0.0 Prop In Lane 1.00 1.00 1.00 0.54 1.00 0.00 Lane GFD Cap(c), veh/h 784 0 360 92 768 721 348 2047 0 V/C Ratio(X) 0.41 0.00 0.94 0.78 0.92 0.94 1.09 0.21 0.00 Avail Cap(c_a), veh/h 785 0 360 171 773 726 348 2047 0 HCM Platoon Ratio 1.00 <td>Grp Sat Flow(s),veh/h/ln</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1767</td> <td></td> <td>1656</td> <td></td> <td>1763</td> <td></td>	Grp Sat Flow(s),veh/h/ln							1767		1656		1763	
Prop In Lane	Q Serve(g_s), s												
Lane Grp Cap(c), veh/h 784 0 360 92 768 721 348 2047 0 V/C Ratio(X) 0.41 0.00 0.94 0.78 0.92 0.94 1.09 0.21 0.00 Avail Cap(c_a), veh/h 785 0 360 171 773 726 348 2047 0 HCM Platoon Ratio 1.00 <th< td=""><td>Cycle Q Clear(g_c), s</td><td></td><td></td><td></td><td></td><td>0.0</td><td></td><td></td><td>41.2</td><td>42.6</td><td></td><td>6.5</td><td></td></th<>	Cycle Q Clear(g_c), s					0.0			41.2	42.6		6.5	
V/C Ratio(X) 0.41 0.00 0.94 0.78 0.92 0.94 1.09 0.21 0.00 Avail Cap(c_a), veh/h 785 0 360 171 773 726 348 2047 0 HCM Platoon Ratio 1.00 1	Prop In Lane				1.00		1.00	1.00		0.54			0.00
Avail Cap(c_a), veh/h 785	Lane Grp Cap(c), veh/h				784	0	360	92	768	721	348	2047	0
HCM Platoon Ratio	V/C Ratio(X)					0.00	0.94	0.78		0.94		0.21	0.00
Upstream Filter(I)	Avail Cap(c_a), veh/h				785		360	171	773	726	348	2047	0
Uniform Delay (d), s/veh 36.0 0.0 41.5 51.3 29.1 29.5 44.0 11.0 0.0 lncr Delay (d2), s/veh 0.1 0.0 31.3 5.3 16.9 20.3 75.9 0.2 0.0 lnitial Q Delay(d3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	HCM Platoon Ratio					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incr Delay (d2), s/veh	Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Initial Q Delay(d3),s/veh	Uniform Delay (d), s/veh				36.0	0.0	41.5		29.1	29.5	44.0	11.0	0.0
%ile BackOfQ(50%), veh/In 3.5 0.0 11.7 2.0 19.3 19.3 16.3 2.3 0.0 Unsig. Movement Delay, s/veh 36.1 0.0 72.8 56.7 46.0 49.7 119.9 11.2 0.0 LnGrp LOS D D A E E D D F B A Approach Vol, veh/h 657 1452 818 Approach Delay, s/veh 54.9 48.2 61.8 Approach LOS D D E Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 *60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6t	Incr Delay (d2), s/veh				0.1	0.0	31.3	5.3	16.9	20.3	75.9	0.2	0.0
Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh LnGrp LOS D A E E D D F B A Approach Vol, veh/h Approach Delay, s/veh Approach LOS D C C C C C C C C C C C C C C C C C C	Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
LnGrp Delay(d),s/veh 36.1 0.0 72.8 56.7 46.0 49.7 119.9 11.2 0.0 LnGrp LOS D A E E D D F B A Approach Vol, veh/h 657 1452 818 A Approach Delay, s/veh 54.9 48.2 61.8 Approach LOS D D D E Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 *60 25.1 Max Q Clear Time (g_c+l1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5					3.5	0.0	11.7	2.0	19.3	19.3	16.3	2.3	0.0
LnGrp LOS D A E E D D F B A Approach Vol, veh/h 657 1452 818 Approach Delay, s/veh 54.9 48.2 61.8 Approach LOS D D D E Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 *60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	Unsig. Movement Delay, s/veh												
Approach Vol, veh/h 657 1452 818 Approach Delay, s/veh 54.9 48.2 61.8 Approach LOS D D D E Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 *60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	LnGrp Delay(d),s/veh				36.1	0.0	72.8	56.7	46.0	49.7	119.9	11.2	0.0
Approach Delay, s/veh Approach LOS D D E Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 *5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 *60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 Green Ext Time (p_c), s 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	LnGrp LOS				D	Α	E	E	D	D	F	В	A
Approach LOS D D E Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 *60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	Approach Vol, veh/h					657			1452			818	
Timer - Assigned Phs 1 2 5 6 8 Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 * 60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	Approach Delay, s/veh					54.9			48.2			61.8	
Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 * 60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	Approach LOS					D			D			Е	
Phs Duration (G+Y+Rc), s 26.0 53.7 10.1 69.5 30.0 Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 * 60 25.1 Max Q Clear Time (g_c+l1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	Timer - Assigned Phs	1	2			5	6		8				
Change Period (Y+Rc), s 4.4 5.9 4.4 * 5.9 4.9 Max Green Setting (Gmax), s 21.6 48.1 10.6 * 60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5		26.0	53.7			10.1	69.5		30.0				
Max Green Setting (Gmax), s 21.6 48.1 10.6 * 60 25.1 Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5	, , , , , , , , , , , , , , , , , , ,												
Max Q Clear Time (g_c+I1), s 23.6 44.6 6.4 8.5 25.1 Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5													
Green Ext Time (p_c), s 0.0 3.2 0.0 6.8 0.0 Intersection Summary HCM 6th Ctrl Delay 53.5 53.5													
HCM 6th Ctrl Delay 53.5													
HCM 6th Ctrl Delay 53.5	Intersection Summary												
				53.5									
	HCM 6th LOS			D									

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	7			7		7		†		*	^		
Traffic Volume (veh/h)	0	0	0	11	0	6	0	1063	22	17	651	0	
Future Volume (veh/h)	0	0	0	11	0	6	0	1063	22	17	651	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	12	0	5	0	1251	25	18	671	0	
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.85	0.85	0.85	0.97	0.97	0.97	
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0	
Cap, veh/h	4	0	0	22	0	0	0	2266	45	31	2653	0	
Arrive On Green	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.64	0.64	0.02	0.75	0.00	
Sat Flow, veh/h	1767	0		1767	12		0	3625	71	1767	3618	0	
Grp Volume(v), veh/h	0	0.0		12	31.0		0	624	652	18	671	0	
Grp Sat Flow(s),veh/h/lr				1767	С		0	1763	1840	1767	1763	0	
Q Serve(g_s), s	0.0			0.3			0.0	9.3	9.3	0.5	2.7	0.0	
Cycle Q Clear(g_c), s	0.0			0.3			0.0	9.3	9.3	0.5	2.7	0.0	
Prop In Lane	1.00			1.00			0.00		0.04	1.00		0.00	
Lane Grp Cap(c), veh/h				22			0	1131	1180	31	2653	0	
V/C Ratio(X)	0.00			0.55			0.00	0.55	0.55	0.57	0.25	0.00	
Avail Cap(c_a), veh/h	973			973			0	1625	1696	195	3951	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/vel				23.2			0.0	4.7	4.7	23.0	1.8	0.0	
Incr Delay (d2), s/veh	0.0			7.8			0.0	1.0	1.0	5.9	0.1	0.0	
Initial Q Delay(d3),s/veh				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh				0.2			0.0	1.2	1.2	0.2	0.0	0.0	
Unsig. Movement Delay				04.0			0.0			00.0	4.0	0.0	
LnGrp Delay(d),s/veh	0.0			31.0			0.0	5.7	5.7	28.9	1.9	0.0	
LnGrp LOS	A			С			Α	A	Α	С	Α	Α	
Approach Vol, veh/h								1276			689		
Approach Delay, s/veh								5.7			2.6		
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)		36.5	5.5			41.7	0.0						
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm	ax5,.2	* 44	26.0			52.9	26.0						
Max Q Clear Time (g_c		11.3	2.3			4.7	0.0						
Green Ext Time (p_c), s	0.0	19.0	0.0			9.9	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			4.8										
HCM 6th LOS			Α										

Intersection						
Int Delay, s/veh	0.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	TYDL	₩ P	†	אטוז	ODL	↑ ↑
Traffic Vol, veh/h	0	58	1389	44	0	785
Future Vol, veh/h	0	58	1389	44	0	785
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	Stop -	None	-		-	None
Storage Length	-	0	_	None -	-	None
		-	0		-	0
Veh in Median Storage				-		
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	63	1510	48	0	853
Major/Minor	Minor1	N	Major1	N	//ajor2	
Conflicting Flow All	-	799	0	0		-
Stage 1	_	-	-	-	-	_
Stage 2	_	_	-	_	-	_
Critical Hdwy	_	6.96	_	_	_	_
Critical Hdwy Stg 1	_	-	_	_	_	_
Critical Hdwy Stg 2	_	_	_	_	_	_
Follow-up Hdwy	_	3.33	_	_	_	_
Pot Cap-1 Maneuver	0	326	_	_	0	_
Stage 1	0	-	_	_	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %	U	_	_	_	U	_
Mov Cap-1 Maneuver	_	320		_	_	
Mov Cap-1 Maneuver	_	320	_	-		_
Stage 1		-	-	-		
•	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	19		0		0	
HCM LOS	С		*			
3 = 0.0						
		NET	MES	A/DL 4	057	
Minor Lane/Major Mvn	nt	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		-	-		-	
HCM Lane V/C Ratio		-	-	0.197	-	
HCM Control Delay (s)		-	-		-	
HCM Lane LOS		-	-	С	-	
				^ 7		
HCM 95th %tile Q(veh)	-	-	0.7	-	



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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	*	†		*	^	
Traffic Volume (veh/h)	0	0	0	336	0	318	100	411	359	320	347	0
Future Volume (veh/h)	0	0	0	336	0	318	100	411	359	320	347	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				354	0	240	109	433	325	337	365	0
Peak Hour Factor				0.95	0.92	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				670	0	307	139	612	456	390	1644	0
Arrive On Green				0.20	0.00	0.20	0.08	0.32	0.32	0.22	0.47	0.00
Sat Flow, veh/h				3428	0	1572	1767	1889	1406	1767	3618	0
Grp Volume(v), veh/h				354	0	240	109	404	354	337	365	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1532	1767	1763	0
Q Serve(g_s), s				5.4	0.0	8.5	3.5	11.8	11.9	10.7	3.6	0.0
Cycle Q Clear(g_c), s				5.4	0.0	8.5	3.5	11.8	11.9	10.7	3.6	0.0
Prop In Lane				1.00		1.00	1.00		0.92	1.00		0.00
Lane Grp Cap(c), veh/h				670	0	307	139	571	497	390	1644	0
V/C Ratio(X)				0.53	0.00	0.78	0.78	0.71	0.71	0.86	0.22	0.00
Avail Cap(c_a), veh/h				1464	0	672	169	669	581	531	2096	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				21.1	0.0	22.4	26.5	17.3	17.4	22.0	9.3	0.0
Incr Delay (d2), s/veh				0.2	0.0	1.7	14.2	5.2	6.1	8.4	0.2	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.9	0.0	2.8	1.8	4.6	4.2	4.6	1.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				21.4	0.0	24.0	40.7	22.5	23.5	30.3	9.5	0.0
LnGrp LOS				С	Α	С	D	С	С	С	Α	Α
Approach Vol, veh/h					594			867			702	
Approach Delay, s/veh					22.4			25.2			19.5	
Approach LOS					С			С			В	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	17.3	24.9			9.0	33.2		16.3				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	17.6	22.2			5.6	* 35		25.0				
Max Q Clear Time (g c+l1), s	12.7	13.9			5.5	5.6		10.5				
Green Ext Time (p_c), s	0.2	4.8			0.0	4.9		0.9				
Intersection Summary												
HCM 6th Ctrl Delay			22.6									
HCM 6th LOS			22.0 C									
HOW OUT LOS			C									

	۶	-	*	1	←	*	4	†	1	1	↓	4	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	ሻ			*		1		†		*	^		
Traffic Volume (veh/h)	0	0	0	13	0	10	0	624	9	96	500	0	
Future Volume (veh/h)	0	0	0	13	0	10	0	624	9	96	500	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00	•	1.00	1.00		0.96	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No	1.00	1.00	No	1.00	1.00	No	1.00	1.00	No	1.00	
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	14	0	10	0	657	8	101	526	0	
Peak Hour Factor	0.92	0.92	0.92	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	
Percent Heavy Veh, %	3	0.92	0.92	3	0.93	3	0.93	3	3	3	3	0.93	
Cap, veh/h	6	0	0	26	0	0	0	1479	18	132	2222	0	
			0.00		0.00	0.00				0.07			
Arrive On Green	0.00	0.00	0.00	0.01		0.00	0.00	0.41	0.41		0.63	0.00	
Sat Flow, veh/h	1767	0		1767	14		0	3658	43	1767	3618	0	
Grp Volume(v), veh/h	0	0.0		14	21.7		0	325	340	101	526	0	
Grp Sat Flow(s), veh/h/lr				1767	С		0	1763	1846	1767	1763	0	
Q Serve(g_s), s	0.0			0.2			0.0	4.1	4.1	1.8	2.0	0.0	
Cycle Q Clear(g_c), s	0.0			0.2			0.0	4.1	4.1	1.8	2.0	0.0	
Prop In Lane	1.00			1.00			0.00		0.02	1.00		0.00	
Lane Grp Cap(c), veh/h				26			0	731	766	132	2222	0	
V/C Ratio(X)	0.00			0.54			0.00	0.44	0.44	0.76	0.24	0.00	
Avail Cap(c_a), veh/h	1470			1470			0	1331	1394	288	3711	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/vel				15.3			0.0	6.6	6.6	14.2	2.5	0.0	
Incr Delay (d2), s/veh	0.0			6.4			0.0	1.0	1.0	3.4	0.1	0.0	
Initial Q Delay(d3),s/veh				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh				0.1			0.0	0.7	0.7	0.6	0.0	0.0	
Unsig. Movement Delay				J. ,			3.0	J.,	J.,	3.0	3.0	3.0	
LnGrp Delay(d),s/veh	0.0			21.7			0.0	7.6	7.5	17.6	2.6	0.0	
LnGrp LOS	Α			C C			Α	Α.	7.5 A	В	Α.	Α	
Approach Vol, veh/h								665		<u> </u>	627		
								7.5			5.1		
Approach LOS													
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc)		19.2	5.4			25.9	0.0						
Change Period (Y+Rc),	s 4.4	* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm	ax5,.\$	* 24	26.0			32.9	26.0						
Max Q Clear Time (g_c-	+113,8s	6.1	2.2			4.0	0.0						
Green Ext Time (p_c), s		6.4	0.0			6.5	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			6.5										
HCM 6th LOS			0.5 A										
Notes													

Intersection						
Int Delay, s/veh	0.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	† 1>			^
Traffic Vol, veh/h	0	88	782	88	0	753
Future Vol, veh/h	0	88	782	88	0	753
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-		-	None
Storage Length	_	0	_	-	-	-
Veh in Median Storage	, # 0	-	0	_	_	0
Grade, %	0	_	0	_	_	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	96	850	96	0	818
IVIVIIILI IOW	U	30	030	90	U	010
Major/Minor I	Minor1	N	Major1	١	/lajor2	
Conflicting Flow All	-	493	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	_	-	-	-	_	_
Follow-up Hdwy	_	3.33	_	_	-	-
Pot Cap-1 Maneuver	0	519	_	_	0	_
Stage 1	0	-	_	_	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %	- 0		_	_	- 0	_
Mov Cap-1 Maneuver	-	509		_	_	
Mov Cap-1 Maneuver	-	509	-	-	-	_
		-	-	<u>-</u>	-	<u>-</u>
Stage 1	-		-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	13.7		0		0	
HCM LOS	В		•			
					055	
Minor Lane/Major Mvm	nt	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		-	-		-	
HCM Lane V/C Ratio		-	-	0.188	-	
HCM Control Delay (s)		-	-		-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh)		-	-	0.7	-	

Appendix L Horizon Year Base with Project Peak Hour Intersection Capacity Worksheets and Signal Timing Inputs (Weekday)

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	7	†		7	^	
Traffic Volume (veh/h)	0	0	0	554	0	390	26	371	399	340	926	0
Future Volume (veh/h)	0	0	0	554	0	390	26	371	399	340	926	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				609	0	355	28	426	436	400	1089	0
Peak Hour Factor				0.91	0.92	0.91	0.92	0.87	0.87	0.85	0.85	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				892	0	409	42	526	450	418	1804	0
Arrive On Green				0.26	0.00	0.26	0.02	0.30	0.30	0.24	0.51	0.00
Sat Flow, veh/h				3428	0	1572	1767	1763	1506	1767	3618	0
Grp Volume(v), veh/h				609	0	355	28	426	436	400	1089	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1506	1767	1763	0
Q Serve(g_s), s				11.9	0.0	16.0	1.2	16.6	21.3	16.6	16.2	0.0
Cycle Q Clear(g_c), s				11.9	0.0	16.0	1.2	16.6	21.3	16.6	16.2	0.0
Prop In Lane				1.00		1.00	1.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h				892	0	409	42	526	450	418	1804	0
V/C Ratio(X)				0.68	0.00	0.87	0.67	0.81	0.97	0.96	0.60	0.00
Avail Cap(c_a), veh/h				1153	0	529	136	526	450	418	1804	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				24.7	0.0	26.3	36.0	24.1	25.7	28.0	12.8	0.0
Incr Delay (d2), s/veh				0.6	0.0	9.8	6.7	11.0	35.0	32.5	1.1	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				4.4	0.0	6.5	0.5	7.6	10.9	10.0	5.2	0.0
Unsig. Movement Delay, s/veh						22.4					40.0	
LnGrp Delay(d),s/veh				25.3	0.0	36.1	42.7	35.1	60.8	60.5	13.9	0.0
LnGrp LOS				С	Α	D	D	D	E	E	В	A
Approach Vol, veh/h					964			890			1489	
Approach Delay, s/veh					29.3			47.9			26.4	
Approach LOS					С			D			С	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	22.0	28.1			6.2	43.9		24.2				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	17.6	22.2			5.7	* 35		25.0				
Max Q Clear Time (g_c+I1), s	18.6	23.3			3.2	18.2		18.0				
Green Ext Time (p_c), s	0.0	0.0			0.0	11.2		1.3				
Intersection Summary												
HCM 6th Ctrl Delay			33.0									
HCM 6th LOS			С									

٦	-	•	•	←	•	1	†	1	1	↓	1	
Movement EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations			*		1		۸ħ		*	^		
Traffic Volume (veh/h) 0	0	0	31	0	5	0	570	8	26	957	0	
Future Volume (veh/h) 0	0	0	31	0	5	0	570	8	26	957	0	
Initial Q (Qb), veh 0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT) 1.00	-	1.00	1.00	*	1.00	1.00	_	0.97	1.00		1.00	
Parking Bus, Adj 1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln 1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h 0	0	0	55	0	7	0	704	9	31	1153	0	
Peak Hour Factor 0.92	0.92	0.92	0.56	0.56	0.56	0.81	0.81	0.81	0.83	0.83	0.83	
Percent Heavy Veh, % 3	0.02	0.02	3	0.00	3	0.01	3	3	3	3	0.00	
Cap, veh/h 5	0	0	83	0	0	0	1736	22	52	2259	0	
Arrive On Green 0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.49	0.49	0.03	0.64	0.00	
Sat Flow, veh/h 1767	0.00	0.00	1767	55	0.00	0.00	3655	46	1767	3618	0.00	
,	0.0		55	20.0		0	348	365	31	1153	0	
1 \ //	0.0		1767	20.0 B			1763	1845	1767	1763		
Grp Sat Flow(s), veh/h/ln1767				В		0					0.0	
Q Serve(g_s), s 0.0			1.1			0.0	4.5 4.5	4.5	0.6	6.2		
Cycle Q Clear(g_c), s 0.0						0.0	4.5	4.5	0.6	6.2	0.0	
Prop In Lane 1.00			1.00			0.00	0.50	0.02	1.00	0050	0.00	
Lane Grp Cap(c), veh/h 5			83			0	859	899	52	2259	0	
V/C Ratio(X) 0.00			0.66			0.00	0.41	0.41	0.59	0.51	0.00	
Avail Cap(c_a), veh/h 1292			1292			0	1145	1199	278	3262	0	
HCM Platoon Ratio 1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I) 0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/veh 0.0			16.7			0.0	5.8	5.8	17.0	3.4	0.0	
Incr Delay (d2), s/veh 0.0			3.3			0.0	0.7	0.7	3.9	0.4	0.0	
Initial Q Delay(d3),s/veh 0.0			0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh/lr0.0			0.4			0.0	0.7	0.8	0.2	0.1	0.0	
Unsig. Movement Delay, s/vel	1										_	
LnGrp Delay(d),s/veh 0.0			20.0			0.0	6.6	6.5	20.9	3.8	0.0	
LnGrp LOS A			В			A	Α	Α	С	Α	Α	
Approach Vol, veh/h							713			1184		
Approach Delay, s/veh							6.5			4.3		
Approach LOS							Α			Α		
Timer - Assigned Phs 1	2	3			6	7						
Phs Duration (G+Y+Rc), s5.5	23.5	6.6			29.0	0.0						
Change Period (Y+Rc), s 4.4	* 6.2	4.9			6.2	4.9						
Max Green Setting (Gmax5, 6	* 23	26.0			32.9	26.0						
Max Q Clear Time (g_c+l12,6s		3.1			8.2	0.0						
Green Ext Time (p_c), s 0.0	6.7	0.1			14.6	0.0						
Intersection Summary												
HCM 6th Ctrl Delay		5.5										
HCM 6th LOS		3.5 A										
Notes												

Intersection						
Int Delay, s/veh	0					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	† 1>			^
Traffic Vol, veh/h	0	9	787	31	0	1483
Future Vol, veh/h	0	9	787	31	0	1483
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage,	, # 0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	10	855	34	0	1612
Major/Minor N	Minor1		Anior1		/aiar2	
	Minor1		Major1 ∩		/lajor2	
Conflicting Flow All	-	465	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.33	-	-	-	-
Pot Cap-1 Maneuver	0	541	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	531	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
	11.9		0		0	
HCM Control Delay, s HCM LOS	11.9 B		U		U	
HOW LOS	В					
Minor Lane/Major Mvm	t	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		_	-	531	-	
HCM Lane V/C Ratio		-	_	0.018	-	
HCM Control Delay (s)		-	-	11.9	-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh)		-	_	0.1	_	

08/17/2021 Horizon Year with Project AM.syn

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	7	†		7	^	
Traffic Volume (veh/h)	0	0	0	305	0	430	71	968	418	370	428	0
Future Volume (veh/h)	0	0	0	305	0	430	71	968	418	370	428	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				321	0	337	77	1019	366	381	441	0
Peak Hour Factor				0.95	0.92	0.95	0.92	0.95	0.95	0.97	0.97	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				784	0	360	98	1100	390	348	2035	0
Arrive On Green				0.23	0.00	0.23	0.06	0.44	0.44	0.20	0.58	0.00
Sat Flow, veh/h				3428	0	1572	1767	2524	894	1767	3618	0
Grp Volume(v), veh/h				321	0	337	77	707	678	381	441	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1656	1767	1763	0
Q Serve(g_s), s				8.7	0.0	23.1	4.7	41.5	42.9	21.6	6.6	0.0
Cycle Q Clear(g_c), s				8.7	0.0	23.1	4.7	41.5	42.9	21.6	6.6	0.0
Prop In Lane				1.00		1.00	1.00		0.54	1.00		0.00
Lane Grp Cap(c), veh/h				784	0	360	98	768	722	348	2035	0
V/C Ratio(X)				0.41	0.00	0.94	0.78	0.92	0.94	1.09	0.22	0.00
Avail Cap(c_a), veh/h				785	0	360	166	773	726	348	2035	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				36.0	0.0	41.5	51.1	29.2	29.5	44.0	11.2	0.0
Incr Delay (d2), s/veh				0.1	0.0	31.3	5.1	17.2	20.8	76.1	0.2	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				3.5	0.0	11.7	2.1	19.5	19.5	16.3	2.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				36.1	0.0	72.8	56.2	46.4	50.3	120.1	11.4	0.0
LnGrp LOS				D	Α	E	E	D	D	F	В	A
Approach Vol, veh/h					658			1462			822	
Approach Delay, s/veh					54.9			48.7			61.8	
Approach LOS					D			D			Е	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	26.0	53.7			10.5	69.2		30.0				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	21.6	48.1			10.3	* 60		25.1				
Max Q Clear Time (g_c+l1), s	23.6	44.9			6.7	8.6		25.1				
Green Ext Time (p_c), s	0.0	2.9			0.0	6.9		0.0				
Intersection Summary												
HCM 6th Ctrl Delay			53.8									
HCM 6th LOS			D									

	۶	→	•	•	←	•	1	†	/	1	ļ	4	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	*			*		7		†		*	^		
Traffic Volume (veh/h)	0	0	0	11	0	6	0	1068	22	22	656	0	
Future Volume (veh/h)	0	0	0	11	0	6	0	1068	22	22	656	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	12	0	5	0	1256	25	23	676	0	
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.85	0.85	0.85	0.97	0.97	0.97	
Percent Heavy Veh, %	3	0	0	3	0	3	0	3	3	3	3	0	
Cap, veh/h	4	0	0	22	0	0	0	2056	41	40	2514	0	
Arrive On Green	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.58	0.58	0.02	0.71	0.00	
Sat Flow, veh/h	1767	0.00	0.00	1767	12	0.00	0.00	3625	70	1767	3618	0.00	
Grp Volume(v), veh/h	0	0.0		12	27.4		0	626	655	23	676	0	
		0.0								1767			
Grp Sat Flow(s), veh/h/l				1767	С		0	1763	1840		1763	0	
Q Serve(g_s), s	0.0			0.3			0.0	9.3	9.3	0.5	2.8	0.0	
Cycle Q Clear(g_c), s	0.0			0.3			0.0	9.3	9.3	0.5	2.8	0.0	
Prop In Lane	1.00			1.00			0.00	4000	0.04	1.00	0544	0.00	
Lane Grp Cap(c), veh/h				22			0	1026	1071	40	2514	0	
V/C Ratio(X)	0.00			0.54			0.00	0.61	0.61	0.58	0.27	0.00	
Avail Cap(c_a), veh/h	1136			1136			0	1242	1296	227	3303	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/ve				19.9			0.0	5.5	5.5	19.6	2.1	0.0	
Incr Delay (d2), s/veh	0.0			7.6			0.0	1.4	1.4	4.8	0.1	0.0	
Initial Q Delay(d3),s/vel				0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),vel				0.1			0.0	1.3	1.3	0.2	0.0	0.0	
Unsig. Movement Delay	y, s/veh												
LnGrp Delay(d),s/veh	0.0			27.4			0.0	6.9	6.8	24.4	2.2	0.0	
LnGrp LOS	Α			С			Α	Α	Α	С	Α	Α	
Approach Vol, veh/h								1281			699		
Approach Delay, s/veh								6.9			2.9		
Approach LOS								Α			Α		
Timer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc) s5.3	29.7	5.4			35.1	0.0						
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9						
Max Green Setting (Gm		* 29	26.0			37.9	26.0						
Max Q Clear Time (g_c		11.3	2.3			4.8	0.0						
Green Ext Time (p_c),		12.2	0.0			9.1	0.0						
$u = \gamma$	3 0.0	14.4	0.0			J. I	0.0						
Intersection Summary													
HCM 6th Ctrl Delay			5.6										
HCM 6th LOS			Α										

Intersection						
Int Delay, s/veh	0.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	†			**
Traffic Vol, veh/h	0	67	1389	53	0	794
Future Vol, veh/h	0	67	1389	53	0	794
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	- Clop		-		-	None
Storage Length	_	0	_	-	_	-
Veh in Median Storage	e,# 0	-	0	_	_	0
Grade, %	0	_	0	_	_	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mymt Flow	0	73	1510	58	0	863
IVIVIIIL FIOW	U	13	1310	30	U	003
Major/Minor	Minor1	N	Major1	N	/lajor2	
Conflicting Flow All	-	804	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	_	-	-	-	-
Critical Hdwy	-	6.96	_	-	_	-
Critical Hdwy Stg 1	_	-	-	_	-	-
Critical Hdwy Stg 2	_	-	_	_	_	_
Follow-up Hdwy	_	3.33	_	_	_	_
Pot Cap-1 Maneuver	0	324	_	_	0	_
Stage 1	0	-	_	_	0	_
Stage 2	0	_	_	_	0	_
Platoon blocked, %	- 0		_	_	U	_
Mov Cap-1 Maneuver	-	318	_	-	_	
Mov Cap-1 Maneuver	_	310	_	_	_	_
Stage 1			-	<u>-</u>	_	<u>-</u>
•	-		-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB		NB		SB	
HCM Control Delay, s	19.7		0		0	
HCM LOS	С					
					05-	
Minor Lane/Major Mvn	nt	NBT		VBLn1	SBT	
Capacity (veh/h)		-	-	318	-	
HCM Lane V/C Ratio		-	-	0.229	-	
HCM Control Delay (s)		-	-	19.7	-	
HCM Lane LOS		-	-	С	-	
HCM 95th %tile Q(veh)	-	-	0.9	-	

08/17/2021 Horizon Year with Project PM.syn

Appendix M Horizon Year Base with Project Peak Hour Intersection Capacity Worksheets and Signal Timing Inputs (Weekend)

	۶	→	*	•	•	•	1	1	~	/	Ţ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				44		7	*	†		*	^	
Traffic Volume (veh/h)	0	0	0	337	0	318	105	415	360	320	351	0
Future Volume (veh/h)	0	0	0	337	0	318	105	415	360	320	351	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach					No			No			No	
Adj Sat Flow, veh/h/ln				1856	0	1856	1856	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				355	0	240	114	437	326	337	369	0
Peak Hour Factor				0.95	0.92	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Percent Heavy Veh, %				3	0	3	3	3	3	3	3	0
Cap, veh/h				669	0	307	145	615	455	390	1634	0
Arrive On Green				0.20	0.00	0.20	0.08	0.32	0.32	0.22	0.46	0.00
Sat Flow, veh/h				3428	0	1572	1767	1894	1402	1767	3618	0
Grp Volume(v), veh/h				355	0	240	114	407	356	337	369	0
Grp Sat Flow(s),veh/h/ln				1714	0	1572	1767	1763	1533	1767	1763	0
Q Serve(g_s), s				5.5	0.0	8.5	3.7	11.9	12.0	10.8	3.7	0.0
Cycle Q Clear(g_c), s				5.5	0.0	8.5	3.7	11.9	12.0	10.8	3.7	0.0
Prop In Lane				1.00		1.00	1.00		0.91	1.00		0.00
Lane Grp Cap(c), veh/h				669	0	307	145	573	498	390	1634	0
V/C Ratio(X)				0.53	0.00	0.78	0.78	0.71	0.72	0.86	0.23	0.00
Avail Cap(c_a), veh/h				1461	0	670	169	667	580	530	2092	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				21.2	0.0	22.4	26.4	17.4	17.4	22.0	9.4	0.0
Incr Delay (d2), s/veh				0.2	0.0	1.7	15.7	5.3	6.2	8.5	0.2	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.9	0.0	2.8	2.0	4.7	4.2	4.6	1.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				21.4	0.0	24.1	42.1	22.6	23.6	30.5	9.6	0.0
LnGrp LOS				С	Α	С	D	С	С	С	Α	Α
Approach Vol, veh/h					595			877			706	
Approach Delay, s/veh					22.5			25.6			19.6	
Approach LOS					С			С			В	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	17.3	24.9			9.2	33.1		16.4				
Change Period (Y+Rc), s	4.4	5.9			4.4	* 5.9		4.9				
Max Green Setting (Gmax), s	17.6	22.2			5.6	* 35		25.0				
Max Q Clear Time (g_c+l1), s	12.8	14.0			5.7	5.7		10.5				
Green Ext Time (p_c), s	0.2	4.8			0.0	4.9		1.0				
	U.Z	4.0			0.0	4.9		1.0				
Intersection Summary			00.0									
HCM 6th Ctrl Delay			22.8									
HCM 6th LOS			С									

Notes

User approved ignoring U-Turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

	۶	→	*	1	←	*	4	†	<u> </u>	-	ļ	4	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	7			7		7		†		7	^		
Traffic Volume (veh/h)	0	0	0	13	0	10	0	629	9	101	505	0	
Future Volume (veh/h)	0	0	0	13	0	10	0	629	9	101	505	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approac		No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	0	0	1856	0	1856	0	1856	1856	1856	1856	0	
Adj Flow Rate, veh/h	0	0	0	14	0	10	0	662	8	106	532	0	
Peak Hour Factor	0.92	0.92	0.92	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	
Percent Heavy Veh, %	3	0.32	0.52	3	0.55	3	0.55	3	3	3	3	0.55	
Cap, veh/h	6	0	0	26	0	0	0	1481	18	136	2229	0	
Arrive On Green	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.42	0.42	0.08	0.63	0.00	
Sat Flow, veh/h	1767	0.00	0.00	1767	14	0.00	0.00	3658	43	1767	3618	0.00	
•													
Grp Volume(v), veh/h	0	0.0		14	21.8		0	327	343	106	532	0	
Grp Sat Flow(s),veh/h/l				1767	С		0	1763	1846	1767	1763	0	
Q Serve(g_s), s	0.0			0.2			0.0	4.2	4.2	1.9	2.1	0.0	
Cycle Q Clear(g_c), s	0.0			0.2			0.0	4.2	4.2	1.9	2.1	0.0	
Prop In Lane	1.00			1.00			0.00		0.02	1.00		0.00	
_ane Grp Cap(c), veh/h				26			0	732	767	136	2229	0	
V/C Ratio(X)	0.00			0.54			0.00	0.45	0.45	0.78	0.24	0.00	
Avail Cap(c_a), veh/h	1462			1462			0	1323	1386	287	3690	0	
HCM Platoon Ratio	1.00			1.00			1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	0.00			1.00			0.00	1.00	1.00	1.00	1.00	0.00	
Uniform Delay (d), s/ve	h 0.0			15.4			0.0	6.6	6.6	14.3	2.5	0.0	
Incr Delay (d2), s/veh	0.0			6.4			0.0	1.0	1.0	3.7	0.1	0.0	
nitial Q Delay(d3),s/vel	h 0.0			0.0			0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),vel				0.1			0.0	0.7	0.7	0.6	0.0	0.0	
Jnsig. Movement Delay													
_nGrp Delay(d),s/veh	0.0			21.8			0.0	7.6	7.6	17.9	2.6	0.0	
_nGrp LOS	Α			С			Α	Α	Α	В	Α	Α	
Approach Vol, veh/h							* *	670			638		
Approach Delay, s/veh								7.6			5.2		
Approach LOS								Α.			Α.Δ		
	4	0				^	7						
Fimer - Assigned Phs	1	2	3			6	7						
Phs Duration (G+Y+Rc	, .	19.3	5.4			26.1	0.0						
Change Period (Y+Rc),		* 6.2	4.9			6.2	4.9						
Max Green Setting (Gr	, ,	* 24	26.0			32.9	26.0						
Max Q Clear Time (g_c	, ,	6.2	2.2			4.1	0.0						
Green Ext Time (p_c),	s 0.0	6.5	0.0			6.6	0.0						
ntersection Summary													
HCM 6th Ctrl Delay			6.6										
HCM 6th LOS			Α										
Votes													

Intersection						
Int Delay, s/veh	0.8					
		WDD	NET	NDD	ODI	OPT
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	•	7	†	07	•	^
Traffic Vol, veh/h	0	97	782	97	0	762
Future Vol, veh/h	0	97	782	97	0	762
Conflicting Peds, #/hr	10	10	0	10	10	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage,	# 0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	105	850	105	0	828
Majar/Minar	Aire a m4		1-14		1-i0	
	/linor1		/lajor1		/lajor2	
Conflicting Flow All	-	498	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.96	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.33	-	-	-	-
Pot Cap-1 Maneuver	0	515	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %			-	_		-
Mov Cap-1 Maneuver	_	505	_	_	_	_
Mov Cap-2 Maneuver	_	-	_	_	_	_
Stage 1	_	_		_	_	_
Stage 2	_	_	_	_	_	_
Stage 2	-		-		-	-
Approach	WB		NB		SB	
HCM Control Delay, s	14		0		0	
HCM LOS	В					
		NID=	NDDI	<i>1</i>	057	
Minor Lane/Major Mvmt	t	NBT	NBRV	VBLn1	SBT	
Capacity (veh/h)		-	-	505	-	
HCM Lane V/C Ratio		-	-	0.209	-	
HCM Control Delay (s)		-	-	14	-	
HCM Lane LOS		-	-	В	-	
HCM 95th %tile Q(veh)		-	-	0.8	-	
., /						