

Appendix 19A

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**Bay Delta Conservation Plan
Construction Traffic Impact Analysis**

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**Bay Delta Conservation Plan
Construction Traffic Impact Analysis**

Administrative Draft Report

January 25, 2016

Submitted to ICF International by Fehr & Peers

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1. Introduction

This technical report documents the construction traffic impact analysis for the Bay Delta Conservation Plan (BDCP)/California WaterFix EIR/EIS. The information contained in this report identifies the potential traffic impacts associated with construction related activities, employees, and equipment, and recommends mitigation measures to avoid or reduce potential impacts. Identifying all the construction related activity for the proposed project with a high degree of certainty is challenging at this stage of project development for such a large and complex project. The Department of Water Resources (DWR) will ultimately make numerous final design and engineering decisions that may influence construction traffic conditions. Hence, one of the key objectives of this evaluation is to provide sufficient information about the study area’s traffic operations and physical roadway conditions such that construction impacts can be avoided or minimized. For instance, the analysis assumes a reasonable “worst-case-scenario” of construction traffic that likely overstates construction traffic impacts regardless of changes that may be made to the underlying traffic assumptions for the project as a result of final engineering and design plans. Further, the mitigation measures recommended in this analysis are sufficiently broad to provide the project proponents flexibility in the types of strategies that can be implemented to address construction traffic impacts while still ensuring that the impacts would be avoided or reduced to the maximum extent feasible.

The construction traffic impact analysis has been coordinated with the air quality analysis to obtain construction trips (employees and trucks) by construction activity location for the following six conveyance alternatives:

- Pipeline/Tunnel (Alternatives 1A, 2A, 3, 5, 6A, 7, and 8)
- Modified Pipeline/Tunnel (Alternative 4 and 4A)
 - Modified Pipeline/Tunnel and Intakes 1, 2, 3, 4, and 5 (Alternative 2D)
 - Modified Pipeline/Tunnel and Intake 2 (Alternative 5A)
- East Canal (Alternatives 1B, 2B, and 6B)
- West Canal (Alternatives 1C, 2C, and 6C)
- Through Delta/Separate Corridors (Alternative 9)

The construction activity information includes a proposed construction schedule, which details the year and month of each construction activity. This study uses the schedule and construction trip information as the basis for identifying potential construction impacts. In consultation with the project team and agency staff, 114 roadway segments were selected for analysis based on the likelihood that they would be utilized for construction-related activities. Table 1 provides a list of the study segments by jurisdiction with location and functional classification used for traffic operations analysis. Note that under baseline (Year 2009) conditions, State Route 4 traveled through downtown Brentwood and Oakley. In January 2012, this section of SR 4 was relinquished to the Cities of Brentwood and Oakley, and Contra Costa County, and Caltrans adopted the State Route 4 Bypass as the new State Route 4. Since construction activity will occur

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- 1 after the relinquishment and new route adoption, the study roadway segments are categorized under the
- 2 post-relinquishment jurisdiction.

- 3 Figures 19-2a-19-2c show where each roadway facility is in relation to the project study area.

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TABLE 1: STUDY SEGMENTS BY JURISDICTION

Segment ID	Roadway	From	To	Jurisdiction	Location	Analysis Functional Classification
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./San Joaquin Co. Line	Alameda Co.	Alameda Co.	Major 2-lane Highway
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Caltrans D4/ City of Brentwood ¹	Brentwood	2-lane Arterial
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Caltrans D4/ City of Brentwood ¹	Brentwood	4-lane Arterial Divided
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	City of Brentwood	Brentwood	4-lane Arterial Divided
CC 01	Bethel Island Rd	Oakley City Limits	End	Contra Costa Co.	Contra Costa Co.	Major 2-lane Highway
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Contra Costa Co.	Contra Costa Co.	Major 2-lane Highway
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Caltrans D4/ Contra Costa Co. ¹	Contra Costa Co.	Major 2-lane Highway
CC 04	Byron Hwy	Delta Rd	Old SR 4	Contra Costa Co.	Contra Costa Co.	Major 2-lane Highway
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	Contra Costa Co.	Byron	Major 2-lane Highway
CT 01	I-5 NB	Florin Rd	Pocket Rd	Caltrans D3	Sacramento	3-lane Freeway
CT 02	I-5 SB	Florin Rd	Pocket Rd	Caltrans D3	Sacramento	3-lane Freeway
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Caltrans D3	Sacramento	3-lane Freeway
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Caltrans D3	Sacramento	3-lane Freeway
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Caltrans D3	Elk Grove	2-lane Freeway
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Caltrans D3	Elk Grove	2-lane Freeway
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Caltrans D3	Sacramento Co.	2-lane Freeway
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Caltrans D3	Sacramento Co.	2-lane Freeway
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Caltrans D3	Sacramento Co.	2-lane Freeway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Caltrans D3	Sacramento Co.	2-lane Freeway
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Caltrans D10	Sacramento Co.	2-lane Freeway

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TABLE 1: STUDY SEGMENTS BY JURISDICTION

Segment ID	Roadway	From	To	Jurisdiction	Location	Analysis Functional Classification
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Caltrans D10	Sacramento Co.	2-lane Freeway
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Caltrans D10	Sacramento Co./ San Joaquin Co.	2-lane Freeway
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Caltrans D10	Sacramento Co./ San Joaquin Co.	2-lane Freeway
CT 15	I-5 NB	Peltier Rd	Turner Rd	Caltrans D10	San Joaquin Co.	2-lane Freeway
CT 16	I-5 SB	Peltier Rd	Turner Rd	Caltrans D10	San Joaquin Co.	2-lane Freeway
CT 17	I-5 NB	Turner Rd	SR 12	Caltrans D10	San Joaquin Co.	2-lane Freeway
CT 18	I-5 SB	Turner Rd	SR 12	Caltrans D10	San Joaquin Co.	2-lane Freeway
CT 19	I-5 NB	SR 12	Eight Mile Rd	Caltrans D10	San Joaquin Co.	3-lane Freeway
CT 20	I-5 SB	SR 12	Eight Mile Rd	Caltrans D10	San Joaquin Co.	3-lane Freeway
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Caltrans D10	Stockton	3-lane Freeway
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Caltrans D10	Stockton	3-lane Freeway
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Caltrans D3	Sacramento Co./ Yolo Co.	Minor 2-lane Highway
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Caltrans D3	Isleton	Minor 2-lane Highway
CT 31	SR 160	A St (Isleton)	SR 12	Caltrans D3	Sacramento Co.	Minor 2-lane Highway
CT 32	SR 160	SR 12	Brannan Island Rd	Caltrans D3	Sacramento Co.	Major 2-lane Highway

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TABLE 1: STUDY SEGMENTS BY JURISDICTION						
Segment ID	Roadway	From	To	Jurisdiction	Location	Analysis Functional Classification
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Caltrans D3	Yolo Co.	Minor 2-lane Highway
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Caltrans D4	Yolo Co./Solano Co.	Minor 2-lane Highway
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Caltrans D4	Fairfield	5-lane Freeway + HOV
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Caltrans D4	Fairfield	5-lane Freeway + HOV
CT 37	SR 12 EB	I-80	Beck Ave	Caltrans D4	Fairfield	2-lane Freeway
CT 38	SR 12 WB	Beck Ave	I-80	Caltrans D4	Fairfield	2-lane Freeway
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	Caltrans D4	Suisun City	4-lane Multilane Highway
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Caltrans D4	Suisun City	4-lane Multilane Highway
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	Caltrans D4	Solano Co.	Major 2-lane Highway
CT 42	SR 12	SR 113	SR 84 (River Rd)	Caltrans D4	Rio Vista/Solano Co.	Major 2-lane Highway
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Caltrans D4	Sacramento Co./Rio Vista	2-lane Arterial
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Caltrans D3	Sacramento Co.	Major 2-lane Highway
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5	Caltrans D10	San Joaquin Co.	Major 2-lane Highway
CT 46	I-80 EB	SR 113	Pedrick Rd	Caltrans D4	Dixon	3-lane Freeway
CT 47	I-80 WB	Pedrick Rd	SR 113	Caltrans D4	Dixon	3-lane Freeway
CT 48	SR 113	I-80	Dixon City Limits	Caltrans D4	Dixon	4-line Arterial, Divided
CT 49	SR 113	Dixon City Limits	SR 12	Caltrans D4	Solano Co.	Minor 2-lane Highway
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Contra Costa Co./ Caltrans D4 ²	Contra Costa Co.	Major 2-lane Highway
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Caltrans D4	Contra Costa Co.	Major 2-lane Highway

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TABLE 1: STUDY SEGMENTS BY JURISDICTION

Segment ID	Roadway	From	To	Jurisdiction	Location	Analysis Functional Classification
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Caltrans D4	Contra Costa Co./San Joaquin Co.	Major 2-lane Highway
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Caltrans D10	San Joaquin Co./Stockton	Minor 2-lane Highway
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Caltrans D10	Stockton	4-lane Freeway
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Caltrans D10	Stockton	4-lane Freeway
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Caltrans D10	Stockton	3-lane Freeway
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Caltrans D10	Stockton	3-lane Freeway
CT 58	I-205 EB	I-580	Mountain House Pkwy	Caltrans D10	Mountain House	3-lane Freeway
CT 59	I-205 WB	I-580	Mountain House Pkwy	Caltrans D10	Mountain House	3-lane Freeway
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Caltrans D10	Mountain House/Tracy	3-lane Freeway
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Caltrans D10	Mountain House/Tracy	3-lane Freeway
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Caltrans D10	Tracy	3-lane Freeway
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Caltrans D10	Tracy	3-lane Freeway
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Caltrans D10	Tracy	3-lane Freeway
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Caltrans D10	Tracy	3-lane Freeway
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	City of Isleton	Isleton	Major 2-lane Highway
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Caltrans D4/ City of Oakley ¹	Oakley	4-lane Arterial Divided
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Caltrans D4/ City of Oakley ¹	Oakley	2-lane Arterial
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	City of Oakley	Oakley	Major 2-lane Highway
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	City of Oakley	Oakley	Minor 2-lane Highway
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	City of Oakley	Oakley	Minor 2-lane Highway

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TABLE 1: STUDY SEGMENTS BY JURISDICTION

Segment ID	Roadway	From	To	Jurisdiction	Location	Analysis Functional Classification
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	City of Sacramento	Sacramento	4-lane Arterial Divided
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	City of Sacramento	Sacramento	2-lane Arterial
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Sacramento Co./ Yolo Co.	Sacramento Co./ Yolo Co.	Minor 2-lane Highway
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Sacramento Co.	Sacramento Co.	Major 2-lane Highway
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 06	Twin Cities Rd	River Rd	I-5	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Sacramento Co.	Sacramento Co.	Major 2-lane Highway
SC 11	Walnut Grove Rd/ River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	Sacramento Co.	Walnut Grove	Minor 2-lane Highway
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Sacramento Co.	Sacramento Co.	Minor 2-lane Highway
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5	San Joaquin Co.	San Joaquin Co.	Major 2-lane Highway
SJ 02	Peltier Rd	Blossom Rd	I-5	San Joaquin Co.	San Joaquin Co.	Minor 2-lane Highway

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TABLE 1: STUDY SEGMENTS BY JURISDICTION

Segment ID	Roadway	From	To	Jurisdiction	Location	Analysis Functional Classification
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	San Joaquin Co.	San Joaquin Co.	Major 2-lane Highway
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	San Joaquin Co.	San Joaquin Co.	Major 2-lane Highway
SJ 05	Byron Hwy	Alameda Co./ San Joaquin Co. Line	Mountain House Pkwy	San Joaquin Co.	Mountain House	Major 2-lane Highway
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	San Joaquin Co.	Mountain House	Minor 2-lane Highway
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	San Joaquin Co.	Mountain House	4-lane Arterial, Divided
STK 01	Eight Mile Rd	Stockton City Limits	I-5	City of Stockton	Stockton	2-lane Arterial
TRA 01	Tracy Blvd	Tracy City Limits	I-205	City of Tracy	Tracy	2-lane Arterial
WS 01	Harbor Blvd	Industrial Blvd	US 50	City of West Sacramento	West Sacramento	4-lane Arterial Divided
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	City of West Sacramento	West Sacramento	4-lane Arterial Divided
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	City of West Sacramento	West Sacramento	4-lane Arterial Divided
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	City of West Sacramento	West Sacramento	Minor 2-lane Highway
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Yolo Co.	Yolo Co.	Minor 2-lane Highway
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Yolo Co.	Yolo Co.	Minor 2-lane Highway
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Yolo Co.	Yolo Co.	Minor 2-lane Highway

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions – roadway is relinquished to local jurisdiction in 2012 after Baseline Year (2009).
 - (2) Facility is analyzed as a local facility under Baseline Conditions – roadway is adopted as a State facility after Baseline Year (2009).
- Segment ID naming convention refers to jurisdiction and segment number.

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2. Analysis Approach

The construction traffic impact analysis consisted of assessing both traffic operations and physical roadway conditions to help inform the public, decision makers, and future contractors about the potential amount and location of construction traffic and how to avoid or minimize impacts.

Roadway Traffic Operations

This report documents the analysis of each study roadway facility, which was based on level of service (LOS) performance measures. LOS is a qualitative measure of traffic operating conditions where a letter grade is used to represent the level of comfort and convenience associated with driving. In general, LOS A represents free-flow conditions with no congestion, and LOS F represents severe congestion and delay under stop-and-go conditions.

Traffic operations of roadway segments were analyzed using procedures and methodologies contained in the *Highway Capacity Manual (HCM)*, Transportation Research Board, 2010. None of the jurisdictions have hourly LOS traffic volume thresholds for roadway segments; therefore, Fehr & Peers developed hourly traffic volume thresholds based on the 2010 HCM methodology. Table 2 displays the hourly capacity threshold associated with each LOS category.

Facility Type	A	B	C	D	E
Minor 2-lane Highway	90	200	680	1,410	1,740
Major 2-lane Highway	120	290	790	1,600	2,050
4-lane, Multilane Highway	2,140	3,520	5,060	6,560	7,300
2-Lane Arterial	-	-	970	1,760	1,870
4-Lane Arterial, Divided	-	-	1,920	3,540	3,740
2-Lane Freeway ¹	1,110	2,010	2,880	3,570	4,010
3-Lane Freeway ¹	1,700	3,080	4,400	5,410	6,060
4-Lane Freeway ¹	2,320	4,200	5,950	7,280	8,140
5-Lane Freeway +HOV Lane ¹	3,300	5,970	8,350	10,160	11,320
Source: Fehr & Peers, based on Highway Capacity Manual 2010.					
Notes: (1) LOS capacity threshold is for one direction.					
"-"= LOS is not achievable due to the type of facility.					

Roadway segment traffic data was collected for all study segments to conduct traffic operations analysis to estimate the weekday hourly LOS for baseline (year 2009) conditions from 6 AM to 7 PM within the study area. Traffic volume estimates for baseline conditions were obtained from traffic counts collected between 2008 and 2012. Data sources included Caltrans, previous transportation studies, and new counts conducted for this project. Approximately half of the study roadway segments required new counts, which were collected between February and April 2012.

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1 It should be noted that the 2008 counts were factored up based on historical yearly growth rates from the
2 previous ten (10) years from 1998 to 2008 to determine 2009 traffic volume estimates. The 2012 traffic
3 counts were used directly in the baseline conditions analysis and not adjusted down to determine 2009
4 traffic volumes. Baseline condition LOS results were compared to the public agency LOS thresholds
5 identified in traffic impact study guidelines, general plans, or equivalent plans. For Caltrans facilities, the
6 LOS threshold used for the analysis was consistent with the “concept facility LOS” described in relevant
7 Transportation Concept Reports (TCRs) and Corridor System Management Plans (CSMPs)¹. The *Guide for*
8 *the Preparation of Traffic Impact Studies* (Caltrans, December 2002) states that when a State facility
9 currently operates at an unacceptable LOS (e.g., LOS F), the existing measure of effectiveness should be
10 maintained.

11 The following were additional key assumptions relevant to the traffic operations analysis.

- 12 • All construction employees are expected to generate two trips per day – one arriving to the
13 construction site and one departing the construction site.
- 14 • To model a reasonable “worst-case” scenario, all construction truck and employee trips are
15 assigned to the roadway network for each analysis hour
- 16 • Material delivery to transport materials and equipment to the construction site
- 17 • Barge traffic will not require additional raises of the SR 12 bridge

18 ***Roadway Physical Conditions***

19 Roadways may experience physical impacts from the project (i.e., truck traffic causing pavement
20 deterioration) that require mitigation. Typically, physical roadway impacts are not evaluated for
21 construction traffic because of the temporary nature of construction activities. This project has a much
22 longer construction period than a typical construction project and truck trips in particular could contribute
23 to pavement deterioration on study area roadways that were either not designed to accommodate truck
24 traffic or have poor existing pavement condition.

25 Chapter 610 of the Caltrans Highway Design Manual (2009) provides guidance on pavement engineering
26 considerations including roadway rehabilitation techniques to extend the life of pavement. As stated in
27 Chapter 613.1, “pavements are engineered to carry the truck traffic loads expected during the pavement
28 design life. Truck traffic...is the primary factor affecting pavement design life and its serviceability.” Further,
29 information obtained from local jurisdictions suggests that some roadways identified as potential
30 construction site access routes do not have adequate engineered pavement sections to withstand
31 construction traffic, particularly heavy vehicles.

¹The bibliography contains each TCR and CSMP that was used in this study.

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1 Existing pavement conditions were obtained from most jurisdictions. Many jurisdictions have a pavement
 2 management system, which typically includes routine visual inspection of roadway facilities. For most local
 3 jurisdictions included in this analysis, the calculated Pavement Condition Index (PCI) is used as the metric
 4 to describe the condition of a roadway section. Some agencies use PCI information as the basis for their
 5 preventative roadway maintenance or roadway reconstruction programs. Similar to the PCI, the City of
 6 Sacramento and San Joaquin County use a Pavement Quality Index (PQI) and an Overall Condition Index
 7 (OCI), respectively, to rank and prioritize roadway facilities. These two systems are described following the
 8 PCI description below.

9 PCI values were obtained for study segments to the extent that they were available. Most jurisdictions
 10 provided the latest recorded PCI. Where PCI was unknown, general information regarding the perceived
 11 condition of the facility was obtained from the jurisdiction’s representative. A spreadsheet was developed
 12 to record all known pavement condition information supplied by the jurisdictions. Pavement conditions
 13 vary greatly by jurisdiction and by roadway. Facilities range from engineered pavement sections
 14 constructed in accordance with a design traffic index (TI) associated with a design life of 20 or more years
 15 to local agricultural routes and levee roads with non-engineered sections. To the extent this information
 16 was supplied by the jurisdictions, it was recorded in the spreadsheet.

17 The Metropolitan Transportation Commission (MTC) has published two manuals, Pavement Condition
 18 Index Distress Identification Manual for Asphalt and Surface Treatment Pavements (February 1986) and
 19 Pavement Condition Index Distress Identification Manual for Jointed Portland Cement Concrete
 20 Pavements (October 1991). Both provide guidance to assist pavement inspectors in determining surface
 21 distress and severity levels. The inspection method is designed to facilitate the calculation of the PCI,
 22 which is a composite rating index. The PCI is expressed as a number from 0 to 100, with 100 being new
 23 pavement. MTC uses the PCI scale presented in Table 3 to rate pavement condition.

TABLE 3: PAVEMENT CONDITION INDEX (PCI) RATING SCALE	
PCI	Rating
100 – 86	Excellent
85 – 71	Very Good
70 – 56	Good
55 – 41	Fair
40 – 26	Poor
25 – 11	Very Poor
10 – 0	Failed
Source: Metropolitan Transportation Commission, 1986, 1991	

24 A PCI of 55 represents the threshold between “Fair/Good” condition. A PCI greater than 70 is considered
 25 “Very Good”. For the purpose of this analysis, local roadway segments were identified as “acceptable” if
 26 the PCI is greater than 55. PCI values equal to or less than 55 were recorded as “deficient”.

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1 The City of Sacramento utilizes a different pavement management application, which results in the
2 calculation of the segment's overall condition represented by the Pavement Quality Index (PQI). The PQI is
3 a composite score of three indicators for ride comfort, surface distress and structural adequacy. A PQI
4 greater than 50 is considered "Fair". A PQI greater than 70 is considered "Good". For the purpose of this
5 analysis, pavement conditions are "acceptable" if the PQI is greater than 70.

6 San Joaquin County updates pavement conditions every two years. Their pavement management system
7 calculates the Overall Condition Index (OCI) based on eight factors including surface distress, patching,
8 ride, and drainage condition. An OCI greater than 60 is considered "Fair". An OCI greater than 70 is
9 considered "Good". For the purpose of this analysis, pavement conditions are "acceptable" if the OCI is
10 greater than 70.

11 Caltrans applies a different methodology for assessing pavement condition. The Caltrans 2011 State of
12 Pavement Report (December 2011) states that an annual Pavement Condition Survey (PCS) is conducted
13 to continually monitor the State Highway System. The PCS consists of a visual inspection of the pavement
14 surface by a team of pavement analysts and the use of an automated data collection system. The result is
15 an International Roughness Index (IRI) for roadway segments, which is a measure of ride quality. IRI units
16 are measured by inches per mile and the data measures relative vertical movement of the vehicle. On
17 rough pavements, IRI values are high. Caltrans has adopted the Federal Highway Administration (FHWA)
18 threshold of an IRI value of less than or equal to 170 inches per mile as "acceptable". According to the
19 FHWA, the IRI value must be less than 95 to be rated "good".

20 IRI values, reflective of 2009 pavement conditions, were obtained from Caltrans' Division of Maintenance.
21 Pavement conditions vary greatly by Caltrans District and by facility. IRI values were recorded in the
22 physical conditions spreadsheet. Caltrans roadway segments were identified as "acceptable" if the IRI was
23 less than or equal to 170. Facilities with IRI values greater than 170 were recorded as "deficient". It's
24 important to note that the PCI and IRI scales are opposite of each other, meaning that a high PCI is good
25 but a high IRI equates to a poor condition.

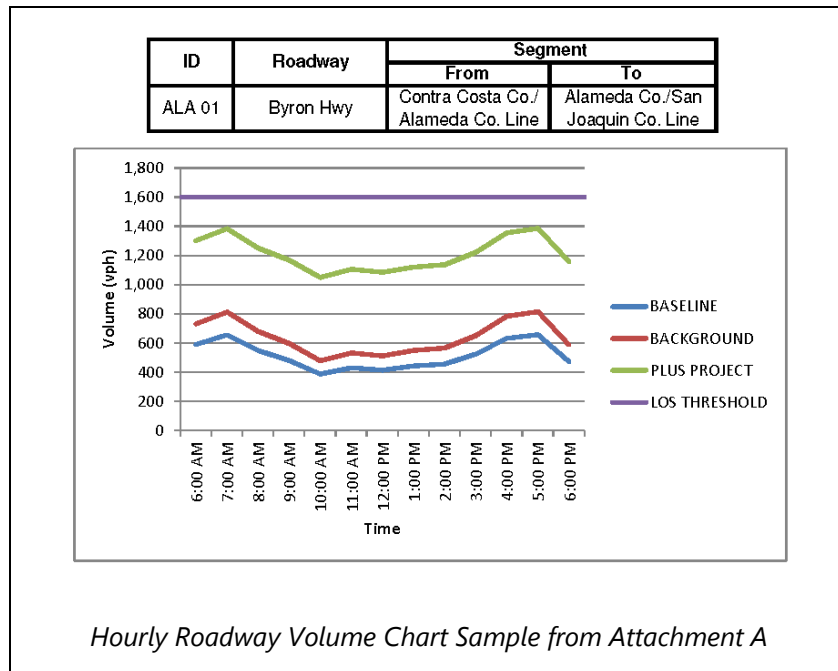
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3. Setting

Baseline Roadway Traffic Operations

Table 4 summarizes the baseline LOS for the study roadway segments. Fifteen roadway segments exceed the LOS threshold for at least one hour during the 6 AM to 7 PM analysis period. Refer to Table 2 for a definition of LOS as it relates to hourly traffic volumes by facility type. Section 5 describes the LOS thresholds established by each jurisdiction. Where baseline traffic volumes exceed LOS thresholds, Table 4 identifies the number of occurrences and the respective time frame when the condition occurs. As noted in Section 1, the baseline conditions analysis uses LOS thresholds from the appropriate jurisdiction prior to the relinquishment and new route adoption associated with the SR 4 Bypass in Brentwood.

Attachments A through G contain LOS analysis charts that show hourly traffic volumes for each roadway segment along with the LOS volume threshold. An annotated chart sample from Attachments A through G is provided below.



For the project analysis scenarios, the charts show how hourly volumes will change with the addition of background traffic growth that will occur up to the construction period. This data display allows reviewers to quickly assess whether LOS thresholds are exceeded.

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./ San Joaquin Co. Line	D	1,600	385 to 656	-
BRE 01	SR 4 (Brentwood Blvd) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)
BRE 02	SR 4 (Brentwood Blvd) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-
BRE 03	Balfour Rd	SR 4 (Brentwood Blvd)	Brentwood City Limits	D	3,540	437 to 1,300	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-
CC 03	SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	SR 4	D	1,410	108 to 240	-
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ San Joaquin Co. Line	C	790	704 to 1,030	12 (6AM-6PM)
CT 45	SR 12	Sacramento Co./ San Joaquin Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5 PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-
CT 50	Marsh Creek Rd (Future SR 4) ²	Vasco Rd	SR 4 (Byron Hwy)	D	1,600	442 to 733	-
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-
OAK 01	SR 4 (Main St) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-
OAK 02	SR 4 (Main St) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)
OAK 03	Cypress Rd	SR 4 (Main Street)	Bethel Island Rd	D	1,600	304 to 764	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-
OAK 05	Delta Rd	SR 4 (Main Street)	Byron Hwy	D	1,410	155 to 334	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ San Joaquin Co. Line	D	1,410	175 to 332	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-
SJ 01	Walnut Grove Rd	Sacramento Co./ San Joaquin Co. Line	I-5	C	790	141 to 232	-
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-
SJ 05	Byron Hwy ³	Alameda Co./ San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-
SJ 06	Mountain House Pkwy ³	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-
SJ 07	Mountain House Pkwy ³	Arnaudo Blvd	I-205	D	3,540	418 to 769	-

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TABLE 4: BASELINE ROADWAY TRAFFIC OPERATIONS

Segment ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009).
- (2) Facility is analyzed as a local facility under Baseline Conditions – roadway is adopted as a State facility after Baseline Year (2009).
- (3) Roadways within the Mountain House CSD have a LOS D threshold, compared to the LOS C threshold used in the remainder of unincorporated San Joaquin County.

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1 ***Baseline Roadway Physical Conditions***

2 Table 5 summarizes baseline pavement conditions for the study roadway segments. Sixty roadway
3 segments have deficient pavement conditions. For the purpose of this analysis, most local roadway
4 segments are identified as acceptable if the PCI is greater than 55. For roadway segments within the City
5 of Sacramento, a PQI greater than 70 is considered acceptable. For roadway segments within San Joaquin
6 County, an OCI greater than 70 is considered acceptable, except in the Mountain House Community
7 Service District (CSD), which uses the PCI metric. Caltrans roadway segments are identified as acceptable if
8 the IRI was less than or equal to 170. Where deficient conditions are reported, information is provided
9 regarding the extent of the deficiency (i.e., majority of segment length, all of the segment length or
10 minority of segment length).

11

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./ San Joaquin Co. Line	Acceptable	-	PCI 100. Improvement project out to bid for summer 2012.
BRE 01	SR 4 (Brentwood Blvd) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	-	PCI range from 79 to 87.
BRE 02	SR 4 (Brentwood Blvd) ¹	Balfour Rd	Brentwood City Limits (South)	Acceptable	-	PCI range from 79 to 87.
BRE 03	Balfour Rd	SR 4 (Brentwood Blvd)	Brentwood City Limits	Acceptable	-	PCI range from 76 to 81.
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	Majority	PCI range from 43 to 75. PCI 43 for 3,000 feet. PCI 50 to 60 for 2,900 feet. PCI 70+ for 2,700'.
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	Majority	PCI range from 34 to 41.
CC 03	SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Majority	IRI range 156 to 280. Minority of segment length is acceptable.
CC 04	Byron Hwy	Delta Rd	SR 4	Acceptable	-	PCI range from 66 to 72. Approximately 15,000 feet (majority of segment length) better than PCI 70.
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	Deficient	Minority	PCI range from 51 to 85. Little more than half study segment (19,850 feet greater than PCI 70).
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Majority	IRI range from 152 to 177. Approximately 1 mile exceeds IRI 170 threshold (majority of segment length).
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Minority	IRI range from 152 to 189. Approximately 0.1 mile exceeds IRI 170 threshold. Vast majority of segment is acceptable.

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	Minority	IRI range from 118 to 207. Approximately 0.6 mile exceeds IRI 170 threshold. Majority of segment is acceptable.
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Minority	IRI range from 142 to 208. Approximately 0.6 mile exceeds IRI 170 threshold. Majority of segment is acceptable.
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	All	IRI range from 182 to 278. All of segment exceeds IRI 170 threshold level.
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	Minority	IRI range from 106 to 172. Majority of segment better than acceptable IRI 170. Approximately 0.4 mile at IRI 172.
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	-	IRI range from 96 to 118.
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	-	IRI range from 114 to 151.
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Majority	IRI range from 124 to 246. Approximately half better than acceptable IRI 170.
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Minority	IRI range from 134 to 208. Approximately 5 miles better than acceptable IRI 170 (majority of segment).
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Minority	IRI range from 94 to 182. Approximately 0.5 mile exceeds IRI 170 threshold. Majority of segment at better than acceptable range.
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	-	IRI range from 102 to 164.
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	-	IRI range from 82 to 122.
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	-	IRI range from 97 to 123.
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	-	IRI range from 86 to 132.

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	-	IRI range from 100 to 140.
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	-	IRI range from 106 to 144.
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	-	IRI range from 109 to 154.
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Majority	IRI range from 160 to 266.
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	-	IRI range from 140 to 167.
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	Majority	IRI range from 146 to 206. Approximately half of segment length exceeds acceptable level.
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	-	IRI range from 148 to 192. Approximately 0.25 miles exceeds IRI 170 threshold. Majority of segment length better than acceptable level.
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Minority	IRI range from 139 to 184. Majority of segment length better than acceptable level.
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	Minority	IRI range from 113 to 184. Approximately 1.5 miles at or exceeds IRI 170 threshold. Majority of segment is acceptable.
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	Majority	IRI range from 144 to 242. Approximately half segment length exceeds IRI 170 threshold.
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	Majority	IRI range from 166 to 214. Approximately 0.5 mile better than acceptable IRI 170 threshold (minority of segment length).
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	Majority	IRI range from 146 to 221. Approximately 1 mile better than acceptable IRI 170 threshold (minority of segment length).
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	-	Bridge

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	-	IRI range from 132 to 139.
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	All	IRI range from 219 to 236.
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Majority	IRI range from 161 to 234. Approximately 1.2 miles better than acceptable IRI 170 (minority of segment length).
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Majority	IRI range from 131 to 178. Approximately half segment length better than acceptable IRI threshold.
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Majority	IRI range from 157 to 294. Approximately 1 mile better than acceptable (minority of segment length).
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	Majority	IRI range from 122 to 432. Approximately 6 miles better than acceptable (minority of segment length).
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	-	IRI range from 68 to 114.
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	-	IRI range from 92 to 147.
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	-	IRI range from 65 to 167.
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	-	IRI range from 63 to 167.
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	Acceptable	-	IRI range from 93 to 156.
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	Acceptable	-	IRI range from 100 to 118.
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	Deficient	Minority	IRI range from 94 to 249. Approximately 1 mile exceeds IRI 170 threshold (minority of segment length).

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Majority	IRI range 165 to 258. Approximately 2 miles better than acceptable (minority of segment length).
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	-	Bridge
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ San Joaquin Co. Line	Deficient	Majority	IRI range from 135 to 236. Approximately 2.5 miles better than acceptable (minority of segment length).
CT 45	SR 12	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Majority	IRI range from 106 to 325. Approximately 3 miles better than acceptable (minority of segment length).
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Minority	IRI range from 145 to 172. Majority of segment better than acceptable.
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	-	IRI range from 142 to 169.
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	-	IRI range from 54 to 162.
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Majority	IRI range from 158 to 250. Approximately 1 mile better than acceptable (minority of segment length).
CT 50	Marsh Creek Rd (Future SR 4) ²	Vasco Rd	SR 4 (Byron Hwy)	Acceptable	-	PCI 91.
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Majority	IRI range from 135 to 248. Approximately half segment length better than acceptable 170 IRI.
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Minority	IRI range from 133 to 293. Approximately 5.5 miles better than acceptable 170 IRI (majority of segment length).

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Majority	IRI range from 82-301. Approximately 1.5 miles better than acceptable 170 IRI (minority of segment length).
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	All	IRI range from 174 to 205.
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	All	IRI range from 192 to 303.
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	-	IRI range from 55 to 137.
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	-	IRI range from 78 to 103.
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	-	IRI range from 71 to 133.
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	-	IRI range from 63 to 132.
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	-	IRI range from 70 to 91.
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	-	IRI range from 64 to 96.
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	-	IRI range from 80 to 108.
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	-	IRI range from 77 to 121.
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	-	IRI range from 77 to 108.
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	-	IRI range from 72 to 112.
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	Deficient	Unknown	PCI not available from agency. Observations from Google Maps indicate deficient conditions (image date August 2007)
OAK 01	SR 4 (Main St) ¹	SR 160	Cypress Rd	Deficient	Majority	IRI range from 156 to 260 (minority of segment length acceptable). Pavement conditions supplied by Caltrans. Facility relinquished to local agency in January 2012.

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
OAK 02	SR 4 (Main St) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	All	IRI 235. Pavement conditions supplied by Caltrans. Facility relinquished to local agency in January 2012.
OAK 03	Cypress Rd	SR 4 (Main Street)	Bethel Island Rd	Acceptable	-	PCI range from 65 to 80.
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	Majority	PCI range from 55 to 80.
OAK 05	Delta Rd	SR 4 (Main Street)	Byron Hwy	Deficient	Majority	PCI 89 from Oakley city limits to Sellers Ave. East of Sellers Ave. (Contra Costa County) PCI range from 61-67.
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	All	PQI 70.
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	-	PQI 84.
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	-	Bridge
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	Majority	PCI range from 45 to 67. PCI 45 within Hood (approximately 1000').
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	-	PCI 56.
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	Majority	PCI range from 35 to 59. At least 1 mile at PCI 35.
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	All	PCI 32.
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	-	PCI 84.
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	All	PCI 45.
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	Deficient	All	PCI 24.

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Majority	PCI range from 43 to 100. PCI 43 and 54 for approximately 1 mile on southernmost section south of Vorden and for one mile south of Paintersville Bridge.
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Minority	PCI range from 48 to 64. Majority of segment length has a PCI of 64. Section through Walnut Grove south of Center Avenue has a PCI of 48.
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ San Joaquin Co. Line	Acceptable	-	PCI 64.
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	-	PCI 85.
SC 13	Race Track Rd/ Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	Majority	PCI range from 36 to 94. Race Track Road has a PCI of 94. All of Tyler Island has PCI 36 (majority of study segment).
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	All	PCI range from 20 to 36. Tyler Island Bridge Road (Approximately 3,500 feet PCI 20, which on the MTC scale is very poor).
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	-	PCI range from 86 to 94.
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	-	PCI 86.
SJ 01	Walnut Grove Rd	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Minority	OCI range from 55 to 86.
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	All	OCI range from 56 to 60.
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	-	OCI 74.
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	-	OCI range from 78 to 93.

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
SJ 05	Byron Hwy ³	Alameda Co./ San Joaquin Co. Line	Mountain House Pkwy	Acceptable	-	PCI 68.
SJ 06	Mountain House Pkwy ³	Byron Hwy	Arnaudo Blvd	Acceptable	-	PCI 100.
SJ 07	Mountain House Pkwy ³	Arnaudo Blvd	I-205	Acceptable	-	PCI 100.
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	Majority	PCI range from 15 to 85 projected from 2009 conditions. 6,920 feet of PCI 15 along westernmost extent said to be in poor condition in need of major work. Extensive skin patching last done in 2010.
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Majority	PCI range from 54 to 89.
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	-	PCI 81. (Last measured in 2005)
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	-	PCI 94. (Last measured in 2005)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Unknown	Segment between Lake Washington Blvd and Marshall Rd new in 2005. Recent PCI is not available from agency. Observations from Google Maps indicate deficient conditions south of Marshall Road (image date August 2011).
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Unknown	Recent PCI is not available from agency. Observations from Google Maps indicate deficient conditions (image date September 2011)

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TABLE 5: BASELINE ROADWAY PAVEMENT CONDITIONS

Segment ID	Roadway	From	To	Condition	Extent of Deficiency¹	Notes
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	Majority	PCI unknown for majority of segment per County. PCI near 100 for section between CR141 and 142. Comment made that most County roads do not have adequate engineering pavement section constructed to a particular TI and are therefore subject to damage under truck loads. Deficiency assumed.
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	Deficient	Majority	PCI unknown per County. Comment made that most County roads do not have adequate engineering pavement section constructed to a particular TI and are therefore subject to damage under truck loads. Deficiency assumed.
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Majority	PCI unknown per County. Comment made that most County roads do not have adequate engineering pavement section constructed to a particular TI and are therefore subject to damage under truck loads. Deficiency assumed.

Source: Fehr & Peers, 2012 based on information supplied by agencies as presented in Table 6.

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009).
- (2) Facility is analyzed as a local facility under Baseline Conditions – roadway is adopted as a State facility after Baseline Year (2009).
- (3) The Mountain House CSD maintains the roadways within the Mountain House Master Plan area, and uses the PCI rating system as opposed to the OCI rating system that is used in the remainder of unincorporated San Joaquin County.

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1 **4. Agency Outreach**

2 In accordance with CEQA Public Resources Code (PRC) Section 21092.4, the lead agency for a project that
3 would have statewide, regional, or area-wide significance is required to consult with the regional
4 transportation planning agency and public agencies that have transportation facilities which could be
5 affected. Statewide, regional, or area-wide significance is defined in CEQA Guidelines Section 15206. All
6 transportation agencies directly impacted by the proposed project were consulted during the
7 development stages of this analysis. All correspondence with staff was summarized in an outreach matrix.
8 The most appropriate staff contacts at each agency were verified.

9 Beginning in January 2012, agencies were first contacted regarding the general approach and
10 methodology intended for both the traffic operations and pavement conditions assessment related to
11 construction impacts. Agencies were sent the list of study segments for review and comment. In one case,
12 study segments were adjusted within a jurisdiction to be consistent with current truck routing practices.
13 Subsequently, agencies were requested to supply readily available existing pavement condition
14 information to populate Table 5 in the previous section. Agency representatives were also asked about
15 potential mitigation approaches to address potential pavement condition impacts. Through this outreach,
16 sample mitigation approaches used for similar projects were obtained. Table 6 identifies all agencies
17 contacted as part of this outreach effort.

18

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TABLE 6: AGENCIES CONTACTED REGARDING POTENTIAL CONSTRUCTION-RELATED PROJECT IMPACTS	
Agency	Data Obtained
Alameda County	PCI values via phone conversation 4/29/2012
City of Brentwood	PCI values via email 4/30/2012
Contra Costa County	Contra Costa Current PCI Report 04/04/2012
Caltrans (Headquarters, Districts 3, 4, and 10)	IRI values from Caltrans Maintenance Program 2009 Pavement Summary
City of Isleton	No data provided; pavement condition based on field observation
City of Oakley	PCI values via email 05/03/2012
City of Sacramento	PQI values via email 04/23/2012
Sacramento County	2011 PCI Report for Trench Cut Fee Program
San Joaquin County	OCI values via email 04/23/2012
Mountain House ¹	PCI values via email 05/20/2012
City of Stockton	PCI via email 3/16/2012
City of Tracy	Pavement Management System, Section Description Inventory and Needs Projected PCIs 4/20/2012
City of West Sacramento	PCI values via email 04/20/2012
Yolo County	PCI values via email 03/07/2012; Lower Northwest Intercept Pavement Evaluation Fall 2006 Progress Report; Project Plans for County Road 140 Widening and Rehabilitation Project 12/15/2010
<p>Notes:</p> <p>Information was also obtained about traffic operations such as applicable vehicle LOS thresholds, but most of this information was accessed from publicly available documents such as general plans on agency websites.</p> <p>(1) Mountain House is an unincorporated community within San Joaquin County. The Mountain House Community Service District (CSD) maintains the roadways within the Mountain House Master Plan area, and uses the PCI rating system as opposed to the OCI rating system that is used in the remainder of unincorporated San Joaquin County.</p>	

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1 **5. Analysis Criteria**

2 This study developed the construction traffic impact significance criteria outlined below based on the
3 applicable policies of the public agencies whose roadways are likely to be affected by construction traffic
4 within the study area. The criteria address potential impacts to traffic operations and the physical
5 condition of the roadway network.

6 The traffic operations criteria are based on the LOS policy descriptions in the setting and vary by public
7 agency. LOS thresholds by facility are contained in Table 4 and repeated in Tables 7, 9, 11, 13, and 15. If
8 sufficient reserve capacity exists to accommodate construction traffic within the responsible agency LOS
9 threshold, then no traffic operations impact occurs. If construction vehicle trips cause the total hourly
10 volume to exceed the LOS threshold for any analysis hour, then a potential impact is identified.

11 The physical condition criteria are based on PCI or IRI values. Most agencies do not have a “threshold”
12 value similar to that for LOS but there is a clear demarcation above which pavement condition is rated as
13 “good” or “acceptable.” For this study, adding construction traffic to a local jurisdiction’s roadway
14 segment with a pavement rating below the threshold stated below would constitute a significant impact.
15 Likewise, adding construction traffic to a Caltrans roadway segment with a paving rating above the
16 threshold stated below would constitute a significant impact.

17 **City of Brentwood Roadways**

- 18 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
19 LOS E (or worse) conditions.
- 20 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

21 **City of Isleton Roadways**

- 22 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
23 LOS E (or worse) conditions.
- 24 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

25 **City of Oakley Roadways**

- 26 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
27 LOS E (or worse) conditions.
- 28 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

29 **City of Tracy Roadways**

- 30 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
31 LOS E (or worse) conditions.
- 32 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

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1 **City of Sacramento Roadways**

- 2 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
3 LOS E (or worse) conditions.
- 4 • Add construction vehicle trips to any roadway segment with a PQI rating at or below 70.

5 **City of Stockton Roadways**

- 6 • Cause traffic operations to deteriorate from LOS E (or better) to LOS F or exacerbate LOS F
7 conditions.
- 8 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

9 **City of West Sacramento Roadways**

- 10 • Cause traffic operations to deteriorate from LOS C (or better) to LOS D (or worse) or exacerbate
11 LOS D (or worse) conditions (Jefferson Boulevard and Industrial Boulevard/Lake Washington
12 Boulevard (WS 02, WS 03, and WS 04)).
- 13 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
14 LOS E (or worse) conditions (Harbor Boulevard (WS 01)).
- 15 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

16 **Alameda County Roadways**

- 17 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
18 LOS E (or worse) conditions.
- 19 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

20 **Contra Costa County Roadways**

- 21 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
22 LOS E (or worse) conditions.
- 23 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

24 **Sacramento County Roadways**

- 25 • Cause traffic operations to deteriorate on a rural roadway segment from LOS D (or better) to
26 LOS E (or worse) or exacerbate LOS E (or worse) conditions.
- 27 • Cause traffic operations to deteriorate on an urban roadway segment from LOS E (or better) to
28 LOS F or exacerbate LOS F conditions.
- 29 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

30 **San Joaquin County Roadways**

- 31 • Cause traffic operations to deteriorate from LOS C (or better) to LOS D (or worse) or exacerbate
32 LOS D (or worse) conditions (Walnut Grove Road, Peltier Road, and Tracy Boulevard (SJ 01, SJ 02,
33 SJ 03, and SJ 04)).

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- 1 • Add construction vehicle trips to any roadway segment with an OCI rating at or below 70 (Walnut
2 Grove Road, Peltier Road, and Tracy Boulevard (SJ 01, SJ 02, SJ 03, and SJ 04)).

3 **Mountain House**

- 4 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate
5 LOS E (or worse) conditions (Byron Highway and Mountain House Parkway (SJ 05, SJ 06, and SJ
6 07)).
- 7 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55 (Byron
8 Highway and Mountain House Parkway (SJ 05, SJ 06, and SJ 07)).

9 **Yolo County**

- 10 • Cause traffic operations to deteriorate from LOS C (or better) to LOS D (or worse) or exacerbate
11 LOS D (or worse) conditions.
- 12 • Add construction vehicle trips to any roadway segment with a PCI rating at or below 55.

13 **Caltrans**

- 14 • Cause traffic operations to deteriorate from LOS B to LOS C (or worse) along SR-84 between the
15 West Sacramento city limits and Courtland Road.
- 16 • Cause traffic operations to deteriorate from LOS C (or better) to LOS D (or worse) or exacerbate a
17 LOS condition worse than LOS C (I-5 between Twin Cities Road and Eight Mile Road, I-205
18 between I-580 and Eleventh Street, SR-4 between Discovery Bay Boulevard and Tracy Boulevard,
19 SR-84 between Courtland Road and Cache Slough Ferry, SR-12 between Walters Road/Lawler
20 Ranch Parkway and I-5, SR-113 between SR-12 and I-80, SR-12 between I-80 and Walters
21 Road/Lawler Ranch Parkway, I-80 between Suisun Valley Road and SR-12, I-80 between SR-113
22 and Pedrick Road, I-5 between Eight Mile Road and Eighth Street).
- 23 • Cause traffic operations to deteriorate from LOS D (or better) to LOS E (or worse) or exacerbate a
24 LOS condition worse than LOS D (I-205 between Grant Line Road and MacArthur Drive, SR-4
25 between SR-160 and Discovery Bay Boulevard, SR-4 between Tracy Boulevard and I-5).
- 26 • Cause traffic operations to deteriorate from LOS E (or better) to LOS F (or worse) or exacerbate a
27 LOS condition worse than LOS F (SR-160 between Sacramento City limits and SR-12).
- 28 • Cause traffic operations to exacerbate a condition of LOS F (I-5 between Florin Road and Twin
29 Cities Road, SR-160 between Brannan Island Road and SR-12).
- 30 • Add construction vehicle trips to any roadway segment with an IRI rating greater than 170.

1 **6. Impact Analysis**

2 ***Alternative Alignments Description***

3 The EIR/EIS includes the following five conveyance alternatives.

- 4 • Pipeline/Tunnel (Alternatives 1A, 2A, 3, 5, 6A, 7, and 8)
- 5 • Modified Pipeline/Tunnel (Alternatives 4 and 4A)
 - 6 ○ Modified Pipeline/Tunnel and Intakes 1, 2, 3, 4, and 5 (Alternative 2D)
 - 7 ○ Modified Pipeline/Tunnel and Intake 2 (Alternative 5A)
- 8 • East Canal (Alternatives 1B, 2B, and 6B)
- 9 • West Canal (Alternatives 1C, 2C, and 6C)
- 10 • Through Delta/Separate Corridors (Alternative 9)

11 This study analyzes the construction-related transportation impacts for each of these conveyance
12 alternatives.

13 ***Trip Generation – Peak Construction Month***

14 Construction activity will generate vehicle trips related to site-worker commutes and movement of
15 construction equipment, materials and spoils. This analysis uses the conceptual project design information
16 for each alternative, proposed construction schedule, and construction trip estimates provided by ICF to
17 determine the amount of construction traffic generated by the proposed project. The proposed
18 construction schedule and trip estimates are based upon the data provided by DWR, and include both
19 employee and truck trips (see Appendix 22A for additional information on the construction schedule and
20 assumptions).

21 The conceptual project design information was used to identify project features, such as intakes, pumping
22 plants, pipelines, canals, forebays, bridges, and siphons for each conveyance alternative. Project features
23 located in proximity to each other were grouped to create informal “construction zones,” or areas where
24 construction routes are likely to be similar.

25 To determine the amount of construction vehicle trips generated by each construction zone, the analysis
26 uses the proposed construction schedule for each conveyance alternative to determine when construction
27 traffic would be expected to occur and which activities would occur simultaneously. Given the
28 approximate 10 year construction schedule, the monthly construction activity was reviewed to identify
29 peak construction year and month for construction activity in each construction zone.

30 Lastly, the estimates of the number of trips by site-worker vehicles and equipment/material trucks for the
31 construction activities occurring in the peak construction month were compiled for each construction
32 zone. The analysis assumes that all construction site-workers are expected to generate two trips per day –

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1 one arriving to the construction site and one departing the construction site. All construction related
2 trucks are expected to each generate eight trips per day. All construction trips are assigned to the
3 roadway network for each analysis hour (which is inherently conservative).

4 ***Background Traffic Growth***

5 To reflect the change in traffic patterns between baseline conditions and the peak construction period,
6 background traffic volumes were developed by factoring up the baseline volumes based on traffic growth
7 rates obtained from the following regional travel demand models.

- 8 • Sacramento Area Council of Governments (SACOG) SACMET TDF model
- 9 • San Joaquin Council of Governments (SJCOG) TDF model
- 10 • Contra Costa Transportation Authority (CCTA) TDF model
- 11 • Solano Transportation Authority (STA) TDF model

12 The regional models forecast traffic volume changes based on population and employment growth, as
13 well as changes in the transportation network. Given the amount of time that will pass before construction
14 begins, this scenario represents likely traffic conditions when project construction is expected to occur
15 and provides the most meaningful basis for identifying potential project impacts. The final traffic volumes,
16 which apply the socioeconomic growth rates, represent Baseline Plus Background Growth (BPBG)
17 conditions. Project construction trips are added to the BPBG volumes to identify potential impacts.

18 In a limited number of circumstances, the background traffic volume is anticipated to decrease due to the
19 opening of a new transportation facility. For example, the opening of the SR 4 Bypass Road in eastern
20 Contra Costa County will decrease the baseline traffic volumes along the baseline SR 4 alignment through
21 downtown Brentwood and Oakley. Only improvements for which the relevant jurisdiction has fully funded
22 and explicitly committed to constructing prior to the anticipated start of construction for the project are
23 included in the BPBG scenario.

24 ***Trip Distribution and Assignment***

25 Construction traffic is expected to use adjacent local and regional roadways to access the major regional
26 highways and adjacent metropolitan areas. Using the project design information and the location of each
27 construction zone, this study identifies the potential roadways that would likely be used to access each
28 project construction site. Since specific project trip routing is unknown at this time, the analysis assigns
29 construction trips to all routes that provide the quickest and most direct access to the surrounding major
30 regional highways, such as I-5, I-80, I-205, and the SR 4 Bypass. The final result is an estimate of hourly
31 traffic volumes on each study segment that represent 'Baseline Plus Background Growth Plus Project'
32 (BPBGPP) conditions, which is used to determine potential impacts.

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1 *Project Roadway Traffic Operations Analysis and Physical Conditions Assessment*

2 This study analyzes roadway traffic operations by comparing the hourly traffic volumes to the LOS volume
3 thresholds shown in Table 2. The hourly LOS volume thresholds are based on the LOS policies established
4 by each jurisdiction as described in Section 5. A significant impact would occur if the hourly traffic
5 volumes generated by project construction exceed an acceptable LOS threshold or exacerbates a
6 condition where the LOS already exceeds the LOS threshold under BPBG conditions (see Section 5,
7 *Analysis Criteria*).

8 This analysis also assesses the project’s impacts to the physical conditions of study roadway segments. As
9 described in Section 5, construction of the project will result in a potential impact to a study roadway’s
10 physical condition if construction traffic is added to a roadway with deficient pavement conditions under
11 baseline conditions.

12 An intersection-level analysis was not performed because sufficient information regarding construction
13 traffic patterns is not available for this level of analysis and it would be speculative and potentially
14 misleading to assign construction related traffic by turning movement. The roadway segment analysis is
15 sufficient to identify project impacts and to develop mitigation measures given the information available
16 regarding construction traffic. By conducting an hourly “worst-case” scenario segment analysis, the traffic
17 impact study identified critical time periods during the day that may need to be avoided or where physical
18 improvements may be required. These critical periods include peak commute hours for the study
19 roadways.

20 The following sections describe the resulting roadway operations for each conveyance alternative in
21 further detail.

22 Pipeline/Tunnel (Alternatives 1A, 2A, 3, 5, 6A, 7, and 8)

23 The pipeline/tunnel alternatives would convey water from the north Delta to the south Delta through a
24 series of pipelines and tunnels. Construction activity under this alignment includes constructing intakes
25 and pumping plants in the north Delta region, pipelines and tunnels to convey the water south, an
26 intermediate forebay near Stone Lake, and a forebay and control structures in the south Delta area.

27 Table 7 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the
28 pipeline/tunnel alternatives. Table 7 also identifies the number of occurrences and the respective time
29 frame when roadway segments exceed the hourly volume LOS threshold for each scenario. The results
30 presented in Table 7 reveal that 25 roadway segments exceed the LOS threshold for at least one hour
31 during the 6 AM to 7 PM period under BPBG conditions and 47 roadway segments exceed the LOS
32 threshold for at least one hour under BPBGPP conditions for the pipeline/tunnel alternatives.

33 Table 8 summarizes the baseline plus project pavement impacts for the study roadway segments. The
34 results presented in Table 8 indicate that construction activity related to the pipeline/tunnel alternatives
35 would result in a potential impact to the physical conditions on 47 of the study roadway segments.

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TABLE 7: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	485 to 827	-	1,435 to 1,777	6 (6-9AM; 3-6PM)
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	599 to 1,549	-	1,549 to 2,499	12 (7AM-7PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	374 to 1,026	-	1,324 to 1,976	-
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	551 to 1,638	-	591 to 1,678	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	156 to 416	-	196 to 456	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	113 to 374	-	153 to 414	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,332 to 1,977	4 (7-8AM; 3-6PM)	2,282 to 2,927	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 243	-	149 to 283	-

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ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	609 to 1,143	-	1,559 to 2,093	11 (6-10AM; 12-7PM)
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	3,168 to 7,121	1 (7-8AM)	3,548 to 7,501	2 (7-9AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,972 to 6,831	2 (4-6PM)	2,352 to 7,211	2 (4-6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,710 to 5,924	-	2,750 to 5,964	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,790 to 6,083	1 (5-6PM)	1,830 to 6,123	1 (5-6PM)
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	2,137 to 3,921	-	2,177 to 3,961	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,469 to 3,903	-	1,509 to 3,943	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,808 to 2,599	-	2,393 to 3,184	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,474 to 2,707	-	2,509 to 3,292	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,749 to 2,289	-	2,469 to 3,009	-
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,494 to 2,432	-	2,214 to 3,152	-
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,619 to 2,122	-	2,204 to 2,707	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,371 to 2,237	-	1,956 to 2,822	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,814 to 2,380	-	1,949 to 2,515	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,489 to 2,500	-	1,624 to 2,635	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,876 to 2,488	-	1,916 to 1,528	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,511 to 2,606	-	1,551 to 2,646	-

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TABLE 7: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,825 to 2,745	-	1,700 to 2,620	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,484 to 1,956	-	1,609 to 2,081	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,962 to 2,902	-	2,087 to 3,027	-
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,591 to 2,650	-	1,716 to 2,775	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,479 to 4,419	-	2,519 to 4,459	-
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,326 to 3,533	-	2,366 to 3,573	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	164 to 574	-	924 to 1,334	-
CT 24	SR 160 (Freeport Blvd/ River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	854 to 940	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	801 to 885	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	129 to 208	-	1,294 to 1,373	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	79 to 140	-	1,244 to 1,305	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	84 to 167	-	1,249 to 1,332	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	102 to 168	-	1,267 to 1,333	-

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ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	1,608 to 1,900	3 (2-5PM)
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	1,628 to 1,813	3 (3-6PM)
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	592 to 999	-	1,542 to 1,949	3 (3-6PM)
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	46 to 196	-	996 to 1,146	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/ Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 28	-	51 to 68	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	4,064 to 9,232	3 (3-6PM)	4,894 to 10,062	5 (2-7PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	7,591 to 11,737	8 (6-10AM; 2-6PM)	8,421 to 12,567	13 (6AM-7PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	708 to 2,475	-	1,538 to 3,305	4 (3-7PM)
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	1,111 to 2,178	-	1,941 to 3,008	2 (6-8PM)
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-	3,183 to 4,772	-	4,348 to 5,887	5 (12-1PM; 3-7PM)

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TABLE 7: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	2,153 to 3,153	-	3,318 to 4,318	-
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	840 to 1,441	13 (6AM-7PM)	2,005 to 2,606	13 (6AM-7PM)
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)	1,438 to 2,069	13 (6AM-7PM)	2,603 to 3,234	13 (6AM-7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)	1,521 to 2,258	13 (6AM-7PM)	2,686 to 3,423	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM-6PM)	887 to 1,298	13 (6AM-7PM)	1,137 to 1,548	13 (6AM-7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)	859 to 1,294	13 (6AM-7PM)	1,109 to 1,544	13 (6AM-7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	3,151 to 5,820	6 (7-9AM; 2-6PM)	3,626 to 6,295	9 (7-9AM; 12- 7PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,599 to 4,916	4 (7-8AM; 3-6PM)	4,074 to 5,391	9 (6-10AM; 1-6PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	1,519 to 2,291	9 (8-9AM; 11AM- 7PM)
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	219 to 370	-	1,169 to 1,320	13 (6AM-7PM)

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TABLE 7: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	557 to 924	2 (4-6PM)	1,507 to 1,874	13 (6AM-7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	661 to 1,460	-	1,611 to 2,410	13 (6AM-7PM)
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	1,362 to 1,696	13 (6AM-7PM)
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)	867 to 1,492	1 (4-5PM)	1,817 to 2,442	13 (6AM-7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	3,244 to 6,121	-	3,719 to 6,596	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,826 to 7,572	3 (7-8AM; 4-6PM)	6,301 to 8,047	5 (7-8AM; 2-6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	3,208 to 6,054	3 (3-6PM)	3,683 to 6,529	4 (2-6PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)	5,720 to 7,433	13 (6AM-7PM)	6,195 to 7,908	13 (6AM-7PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,647 to 6,188	5 (2-7PM)	2,122 to 6,663	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,296 to 5,967	3 (6-9AM)	2,771 to 6,442	4 (6-10AM)

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ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,832 to 6,487	5 (2-7PM)	2,307 to 6,962	6 (1-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,400 to 5,270	2 (6-8AM)	2,875 to 5,745	4 (6-10AM)
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,952 to 5,376	-	2,107 to 5,531	1 (4-5PM)
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,371 to 3,941	-	2,526 to 4,096	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,934 to 5,353	-	2,089 to 5,508	3 (3-6PM)
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,666 to 4,411	-	2,821 to 4,566	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	57 to 115	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	893 to 1,975	-	1,843 to 2,925	-
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	953 to 1,762	1 (3-4PM)	1,903 to 2,712	13 (6AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	383 to 963	-	423 to 1,003	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	176 to 462	-	216 to 502	-

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ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	158 to 340	-	198 to 380	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	1,549 to 2,951	-
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	192 to 620	-	952 to 1,380	-
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	121 to 428	-	161 to 468	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-	87 to 154	-	1,387 to 1,454	9 (6-7AM; 8-10AM; 11AM-12PM; 2-7PM)
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	12 to 35	-	1,177 to 1,200	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 40	-	1,185 to 1,205	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	42 to 73	-	82 to 113	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	139 to 264	-	409 to 534	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	166 to 374	-	206 to 414	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	64 to 142	-	1,014 to 1,092	-
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	87 to 138	-	212 to 263	-

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ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	238 to 390	-	508 to 660	-
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	190 to 360	-	460 to 630	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	196 to 418	-
SC 13	Race Track Rd/ Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 37	-	153 to 172	-
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	54 to 79	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	5 to 67	-	45 to 107	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	20 to 66	-	60 to 106	-
SJ 01	Walnut Grove Rd	Sacramento Co./ SJ Co. Line	I-5	C	790	141 to 232	-	153 to 251	-	423 to 521	-
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	48 to 63	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	413 to 514	-
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	87 to 215	-	392 to 520	-
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-	656 to 1,038	-	1,606 to 1,988	13 (6AM-7PM)

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TABLE 7: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	239 to 375	-	1,189 to 1,325	-
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	552 to 1,015	-	1,502 to 1,965	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	389 to 969	-	429 to 1,006	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	389 to 956	-	694 to 1,261	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,394 to 2,832	-	2,344 to 3,782	3 (7-8AM; 4-6PM)
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	974 to 2,341	2 (7-8AM; 5-6PM)	1,924 to 3,291	13 (6AM-7PM)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	675 to 2,125	1 (5-6PM)	1,625 to 3,075	11 (7-9AM; 11AM-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	51 to 176	-	1,001 to 1,126	13 (6AM-7PM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	79 to 266	-	119 to 306	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-	32 to 79	-	982 to 1,029	13 (6AM-7PM)

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TABLE 7: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	35 to 97	-	985 to 1,047	13 (6AM-7PM)

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (2) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	No
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	Yes	Yes
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	Yes	Yes
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	Yes	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	No	No
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	No	No
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	No	No
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	No	No
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Yes	Yes
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	Yes	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	Yes
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	Yes	Yes
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	Yes	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Yes	Yes
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	Yes	Yes
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	Yes	Yes
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	Yes	Yes
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	Yes	Yes
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	No	No
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	No	No
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	No	No

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	No	No
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	No	No
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	Yes	Yes
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	Yes	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	No	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	Yes	Yes
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	Yes	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	Yes	Yes
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	No	No
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	No	No
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Yes	Yes
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line	Acceptable	Yes	No
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	Yes	No
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	Yes	Yes

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	No	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	No	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	No	No
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	No	No
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	Yes	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	Yes	No
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	No	No
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Yes	Yes
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes

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TABLE 8: PIPELINE/TUNNEL (ALTERNATIVES 1A, 2A, 3, 5, 6A, 7, AND 8) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	No	No
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

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1 Modified Pipeline/Tunnel (Alternatives 4 and 4A)

2 The modified pipeline/tunnel alignment is similar to the pipeline/tunnel alignment in that it would convey
3 water from the north Delta to the south Delta through a series of pipelines and tunnels. The alignment is
4 similar to the pipeline/tunnel conveyance alternative north of Lambert Road and south of SR 12. Between
5 Lambert Road and SR 12, the modified pipeline/tunnel alignment would travel east of the pipeline/tunnel
6 alignment. Construction activity under the modified pipeline/tunnel alignment includes construction of
7 intakes and pumping plants in the north Delta region, pipelines and tunnels to convey the water south, an
8 intermediate forebay near Twin Cities Road, and modifications to the Clifton Court Forebay in the south
9 Delta area.

10 Table 9 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the
11 modified pipeline/tunnel alignment. Table 9 also identifies the number of occurrences and the respective
12 time frame when roadway segments exceed the hourly volume LOS threshold for each scenario. The
13 results presented in Table 9 reveal that 23 roadway segments exceed the LOS threshold for at least one
14 hour during the 6 AM to 7 PM period under BPBG conditions and 38 roadway segments exceed the LOS
15 threshold for at least one hour under BPBGPP conditions for the modified pipeline/tunnel alignment.

16 Table 10 summarizes the baseline plus project pavement impacts for the study roadway segments. The
17 results presented in Table 10 indicate that construction activity related to the modified pipeline/tunnel
18 alignment would result in a potential impact to the physical conditions on 46 of the study roadway
19 segments.

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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	477 to 813	-	1,097 to 1,433	-
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	598 to 1,547	-	1,218 to 2,167	9 (8-9AM; 11-7PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	373 to 1,025	-	993 to 1,645	-
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	542 to 1,612	-	922 to 1,992	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	154 to 409	-	239 to 494	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	112 to 368	-	197 to 453	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,320 to 1,959	4 (7-8AM; 3-6PM)	1,940 to 2,579	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 243	-	194 to 328	-

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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	599 to 1,125	-	1,219 to 1,745	4 (7-9AM; 3-4PM; 5-6PM)
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	3,131 to 7,039	1 (7-8AM)	3,336 to 7,244	1 (7-8AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,952 to 6,761	2 (4-6PM)	2,157 to 6,966	2 (4-6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,688 to 5,876	-	2,793 to 5,981	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,775 to 6,031	-	1,880 to 6,136	1 (5-6PM)
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	2,118 to 3,885	-	2,223 to 3,990	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,456 to 3,868	-	1,561 to 3,973	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,789 to 2,572	-	2,279 to 3,062	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,458 to 2,678	-	1,948 to 3,168	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,728 to 2,262	-	1,933 to 2,467	-
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,476 to 2,402	-	1,681 to 2,607	-

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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,600 to 2,097	-	2,090 to 2,587	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,355 to 2,211	-	1,845 to 2,701	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,786 to 2,344	-	1,901 to 2,459	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,466 to 2,462	-	1,581 to 2,577	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,847 to 2,451	-	1,952 to 2,556	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,489 to 2,566	-	1,594 to 2,671	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,674 to 2,581	-	1,779 to 2,686	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,461 to 1,927	-	1,566 to 2,032	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,932 to 2,856	-	2,037 to 2,961	-
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,566 to 2,608	-	1,671 to 2,713	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,441 to 4,350	-	2,546 to 4,455	-

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,289 to 3,478	-	2,394to 3,583	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	162 to 566	-	572 to 976	-
CT 24	SR 160 (Freeport Blvd/ River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	504 to 590	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	451 to 535	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	127 to 206	-	747 to 826	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	79 to 139	-	699 to 759	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	83 to 166	-	703 to 786	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	100 to 166	-	720 to 786	-
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	793 to 1,085	-
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	813 to 998	-
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	587 to 991	-	1,207 to 1,611	-

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	46 to 194	-	666 to 814	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/ Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 28	-	126 to 143	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	4,003 to 9,092	3 (3-6PM)	4,493 to 9,582	4 (2-6PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	7,476 to 11,560	6 (6-9AM; 3-6PM)	7,966 to 12,050	10 (6-11AM; 1-6PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	697 to 2,438	-	1,187 to 2,928	2 (5-7PM)
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	1,094 to 2,145	-	1,584 to 2,635	-
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-	3,137 to 4,655	-	3,757 to 5,275	2 (3-5PM)
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	2,121 to 3,106	-	2,741 to 3,726	-
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	828 to 1,419	13 (6AM-7PM)	1,448 to 2,039	13 (6AM-7PM)

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)	1,416 to 2,038	13 (6AM-7PM)	2,036 to 2,658	13 (6AM-7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)	1,498 to 2,224	13 (6AM-7PM)	2,118 to 2,844	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM-6PM)	873 to 1,277	13 (6AM-7PM)	988 to 1,392	13 (6AM-7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)	853 to 1,284	13 (6AM-7PM)	968 to 1,399	13 (6AM-7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	3,108 to 5,741	6 (7-9AM; 2-6PM)	3,418 to 6,051	7 (6-9AM; 1-6PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,563 to 4,867	4 (7-8AM; 3-6PM)	3,873 to 5,177	6 (6-9AM; 3-6PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	1,189 to 1,961	2 (4-6PM)
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	216 to 365	-	836 to 985	13 (6AM-7PM)
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	548 to 909	2 (4-6PM)	1,168 to 1,529	13 (6AM-7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	654 to 1,445	-	1,274 to 2,065	11 (8AM-7PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	1,032 to 1,366	13 (6AM-7PM)
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)	867 to 1,492	1 (4-5PM)	1,487 to 2,112	13 (6AM-7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	3,201 to 6,039	-	3,821 to 6,659	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,747 to 7,468	2 (7-8AM; 5-6PM)	6,367 to 8,088	5 (7-8AM; 2-6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	3,159 to 5,962	3 (3-6PM)	3,779 to 6,582	4 (2-6PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)	5,633 to 7,320	13 (6AM-7PM)	6,253 to 7,940	13 (6AM-7PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,629 to 6,118	5 (2-7PM)	1,939 to 6,428	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,270 to 5,898	3 (6-9AM)	2,580 to 6,208	3 (6-9AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,803 to 6,386	5 (2-7PM)	2,113 to 6,696	5 (2-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,363 to 5,187	2 (6-8AM)	2,673 to 5,497	3 (6-9AM)

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,922 to 5,292	-	1,967 to 5,337	-
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,334 to 3,880	-	2,379 to 3,925	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,904 to 5,269	-	1,949 to 5,314	-
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,625 to 4,342	-	2,670 to 4,387	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	62 to 120	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	882 to 1,951	-	1,502 to 2,571	-
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	939 to 1,736	-	1,559 to 2,356	12 (7AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	377 to 947	-	422 to 992	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	174 to 455	-	219 to 500	-

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	157 to 339	-	202 to 384	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	1,199 to 2,601	-
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	188 to 610	-	598 to 1,020	-
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	119 to 421	-	164 to 466	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-	86 to 153	-	706 to 773	-
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	12 to 35	-	632 to 655	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 40	-	640 to 660	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	42 to 73	-	662 to 693	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	138 to 263	-	543 to 668	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	164 to 370	-	209 to 415	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	63 to 140	-	683 to 760	-
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	87 to 138	-	132 to 183	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	237 to 388	-	642 to 793	-

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	188 to 357	-	418 to 587	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	106 to 328	-
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 36	-	63 to 81	-
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	59 to 84	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	5 to 66	-	50 to 111	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	20 to 64	-	65 to 109	-
SJ 01	Walnut Grove Rd	Sacramento Co./ SJ Co. Line	I-5	C	790	141 to 232	-	152 to 250	-	382 to 480	-
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	53 to 68	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	483 to 584	-
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	86 to 212	-	461 to 587	-
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-	646 to 1,022	-	1,266 to 1,642	4 (7-8AM; 3-6PM)
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	236 to 370	-	856 to 990	-

**BDCP Construction Traffic Impact Analysis
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TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	543 to 1,000	-	1,163 to 1,620	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	383 to 954	-	428 to 999	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	383 to 941	-	758 to 1,316	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,374 to 2,793	-	1,994 to 3,413	-
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	959 to 2,304	2 (7-8AM; 5-6PM)	1,579 to 2,924	9 (7-9AM; 12-7PM)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	665 to 2,094	1 (5-6PM)	1,285 to 2,714	6 (7-9AM; 3-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	50 to 174	-	670 to 794	12 (7AM-7PM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	79 to 265	-	124 to 310	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-	31 to 78	-	651 to 698	2 (8-9AM; 5-6PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 9: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	35 to 95	-	655 to 715	4 (7-8AM; 3-6PM)

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (2) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.
- (3) Modified pipeline/tunnel (Alternative 4) construction traffic estimates for construction of the pipelines, intermediate Forebay, intermediate outlet are based on construction features shared with the pipeline/tunnel alternatives. This analysis does not reflect potential reductions in construction traffic associated with the modified pipeline/tunnel for these features due to differences in the scale of construction activity. Traffic volumes for all other construction features (e.g., intakes, pumping plants) are based on estimates specific to the modified pipeline/tunnel alignment.

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./ San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	No
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	No	No
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	No	No
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	Yes	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	Yes	Yes
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Yes	Yes
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	Yes
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	Yes
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

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TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Yes	Yes
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	Yes	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	Yes
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	No	No
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	Yes	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Yes	Yes
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	Yes	Yes
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	Yes	Yes
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	Yes	Yes
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	Yes	Yes
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	No	No
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./San Joaquin Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes

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TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	No	No

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TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	No	No
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	No	No
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	No	No
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	Yes	Yes
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	Yes	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	No	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	Yes	Yes
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	Yes	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	Yes	Yes
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	Yes	Yes
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	No	No
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	No	No
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/ River Rd	Walnut Grove Bridge	Sacramento Co./ San Joaquin Co. Line	Acceptable	Yes	No

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TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	No	No
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	No	No
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	No	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	No	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	No	No
SJ 01	Walnut Grove Rd	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	No	No
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	Yes	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	Yes	No
SJ 05	Byron Hwy	Alameda Co./ San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	No	No
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Yes	Yes
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No

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TABLE 10: MODIFIED PIPELINE/TUNNEL (ALTERNATIVE 4) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	No	No
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

Notes:

- (1) Modified pipeline/tunnel (Alternative 4) construction traffic estimates for construction of the pipelines, intermediate Forebay, intermediate outlet are based on construction features shared with the pipeline/tunnel alternatives. This analysis does not reflect potential reductions in construction traffic associated with the modified pipeline/tunnel for these features due to differences in the scale of construction activity. Traffic volumes for all other construction features (e.g., intakes, pumping plants) are based on estimates specific to the modified pipeline/tunnel alignment.

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1 *Modified Pipeline/Tunnel and Intakes 1, 2, 3, 4, and 5 (Alternative 2D)*

2 The modified pipeline/tunnel alignment is similar to the pipeline/tunnel alignment in that it would convey
3 water from the north Delta to the south Delta through a series of pipelines and tunnels. The alignment is
4 similar to the pipeline/tunnel conveyance alternative north of Lambert Road and south of SR 12. Between
5 Lambert Road and SR 12, the modified pipeline/tunnel alignment would travel east of the pipeline/tunnel
6 alignment. Construction activity under the modified pipeline/tunnel alignment includes construction of
7 intakes and pumping plants in the north Delta region, pipelines and tunnels to convey the water south, an
8 intermediate forebay near Twin Cities Road, and modifications to the Clifton Court Forebay in the south
9 Delta area.

10 Table 19 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the
11 modified pipeline/tunnel alignment. Table 15 also identifies the number of occurrences and the respective
12 time frame when roadway segments exceed the hourly volume LOS threshold for each scenario. The
13 results presented in Table 19 indicate that 21 roadway segments exceed the LOS threshold for at least one
14 hour during the 6 AM to 7 PM period under BPBG conditions and 38 roadway segments exceed the LOS
15 threshold for at least one hour under BPBGPP conditions for the modified pipeline/tunnel alignment.

16 Table 20 summarizes the baseline plus project pavement impacts for the study roadway segments. The
17 results presented in Table 20 indicate that construction activity related to the modified pipeline/tunnel
18 alignment would result in a potential impact to the physical conditions on 46 of the study roadway
19 segments.

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	485 to 827	-	1,355 to 1,697	4 (6-8AM; 4-6PM)
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	599 to 1,549	-	1,469 to 2,419	12 (7AM-7PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	374 to 1,026	-	1,244 to 1,869	-
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	551 to 1,638	-	591 to 1,678	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	156 to 416	-	196 to 456	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	113 to 374	-	153 to 414	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,332 to 1,977	4 (7-8AM; 3-6PM)	2,202 to 2,847	13 (6AM-7PM)

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 243	-	149 to 283	-
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	609 to 1,143	-	1,479 to 2,013	9 (6-10AM; 12-1PM; 3-7PM)
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	3,168 to 7,121	1 (7-8AM)	3,518 to 7,471	2 (7-9AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,972 to 6,831	2 (4-6PM)	2,322 to 7,181	2 (4-6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,710 to 5,924	-	2,750 to 5,964	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,790 to 6,083	1 (5-6PM)	1,830 to 6,123	1 (5-6PM)
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	2,137 to 3,921	-	2,177 to 3,961	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,469 to 3,903	-	1,509 to 3,943	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,808 to 2,599	-	2,343 to 3,134	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,474 to 2,707	-	2,009 to 3,242	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,749 to 2,289	-	2,409 to 2,949	-

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,494 to 2,432	-	2,154 to 3,092	-
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,619 to 2,122	-	2,154 to 2,657	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,371 to 2,237	-	1,906 to 2,772	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,814 to 2,380	-	1,939 to 2,505	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,489 to 2,500	-	1,614 to 2,625	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,876 to 2,488	-	1,916 to 2,528	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,511 to 2,606	-	1,551 to 2,646	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,825 to 2,745	-	1,815 to 2,735	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,484 to 1,956	-	1,599 to 2,071	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,962 to 2,902	-	2,077 to 3,017	-
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,591 to 2,650	-	1,706 to 2,765	-

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,479 to 4,419	-	2,519 to 4,459	-
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,326 to 3,533	-	2,366 to 3,573	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	164 to 574	-	859 to 1,269	-
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	789 to 875	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	736 to 820	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	129 to 208	-	1,194 to 1,273	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	79 to 140	-	1,144 to 1,205	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	84 to 167	-	1,149 to 1,232	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	102 to 168	-	1,167 to 1,233	-
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	1,483 to 1,775	1 (3-4PM)

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	1,503 to 1,688	
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	592 to 999	-	1,462 to 1,869	2 (4-6PM)
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	46 to 196	-	916 to 1,066	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/ Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 28	-	51 to 68	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	4,064 to 9,232	3 (3-6PM)	4,824 to 9,992	5 (2-7PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	7,591 to 11,737	8 (6-10AM; 2-6PM)	8,351 to 12,497	13 (6AM-7PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	708 to 2,475	-	1,468 to 3,235	4 (3-7PM)
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	1,111 to 2,178	-	1,871 to 2,938	2 (6-8AM)
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-	3,183 to 4,772	-	4,248 to 5,787	3 (3-6PM)

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	2,153 to 3,153	-	3,218 to 4,218	-
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	840 to 1,441	13 (6AM-7PM)	1,905 to 2,506	13 (6AM-7PM)
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)	1,438 to 2,069	13 (6AM-7PM)	2,503 to 3,134	13 (6AM-7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)	1,521 to 2,258	13 (6AM-7PM)	2,586 to 3,323	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM-6PM)	887 to 1,298	13 (6AM-7PM)	1,117 to 1,528	13 (6AM-7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)	859 to 1,294	13 (6AM-7PM)	1,089 to 1,524	13 (6AM-7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	3,151 to 5,820	6 (7-9AM; 2-6PM)	3,586 to 6,255	9 (7-9AM; 12-7PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,599 to 4,916	4 (7-8AM; 3-6PM)	4,034 to 5,351	8 (6-10AM; 1-2PM; 3-6PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	1,439 to 2,211	6 (12PM-6PM)

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	219 to 370	-	1,089 to 1,240	13 (6AM–7PM)
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	557 to 924	2 (4–6PM)	1,427 to 1,794	13 (6AM–7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	661 to 1,460	-	1,531 to 2,330	12 (7AM–7PM)
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	1,282 to 1,616	13 (6AM–7PM)
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4–5PM)	867 to 1,492	1 (4–5PM)	1,737 to 2,362	13 (6AM–7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	3,244 to 6,121	-	3,679 to 6,556	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,826 to 7,572	3 (7–8AM; 4–6PM)	6,261 to 8,007	5 (7–8AM; 2- 6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	3,208 to 6,054	3 (3–6PM)	3,643 to 6,489	4 (2–6PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7–8AM; 4–6PM)	5,720 to 7,433	13 (6AM–7PM)	6,155 to 7,868	13 (6AM–7PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,647 to 6,188	5 (2-7PM)	2,082 to 6,623	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,296 to 5,967	3 (6-9AM)	2,731 to 6,402	4 (6-10AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,832 to 6,487	5 (2-7PM)	2,267 to 6,922	6 (1-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,400 to 5,270	2 (6-8AM)	2,835 to 5,705	4 (6-10AM)
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,952 to 5,376	-	2,097 to 5,521	1 (4-5PM)
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,371 to 3,941	-	2,516 to 4,086	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,934 to 5,353	-	2,079 to 5,498	3 (3-6PM)
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,666 to 4,411	-	2,811 to 4,556	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	57 to 115	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	893 to 1,975	-	1,763 to 2,845	-

**BDCP Construction Traffic Impact Analysis
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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	953 to 1,762	1 (3-4PM)	1,823 to 2,632	13 (6AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	383 to 963	-	423 to 1,003	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	176 to 462	-	216 to 502	-
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	158 to 340	-	198 to 380	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	1,484 to 2,886	-
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	192 to 620	-	887 to 1,315	-
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	121 to 428	-	161 to 468	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-	87 to 154	-	1,277 to 1,344	-
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	12 to 35	-	1,077 to 1,100	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 40	-	1,085 to 1,105	-

**BDCP Construction Traffic Impact Analysis
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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	42 to 73	-	82 to 113	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	139 to 264	-	389 to 514	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	166 to 374	-	206 to 414	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	64 to 142	-	934 to 1,012	-
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	87 to 138	-	202 to 253	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	238 to 390	-	483 to 635	-
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	190 to 360	-	435 to 605	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	184 to 406	-
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 37	-	141 to 160	-
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	54 to 79	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	5 to 67	-	45 to 107	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	20 to 66	-	60 to 106	-

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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5	C	790	141 to 232	-	153 to 251	-	398 to 496	-
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	48 to 63	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	388 to 489	-
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	87 to 215	-	367 to 495	-
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-	656 to 1,038	-	1,526 to 1,908	12 (6-10AM; 11AM-7PM)
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	239 to 375	-	1,109 to 1,245	-
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	552 to 1,015	-	1,422 to 1,885	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	389 to 969	-	429 to 1,009	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	389 to 956	-	669 to 1,236	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,394 to 2,832	-	2,264 to 3,702	2 (7-8AM; 5-6PM)
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	974 to 2,341	2 (7-8AM; 5-6PM)	1,844 to 3,211	11 (7-10AM; 11AM-7PM)

**BDCP Construction Traffic Impact Analysis
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TABLE 19: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	675 to 2,125	1 (5-6PM)	1,545 to 2,995	11 (7-10AM; 11AM-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	51 to 176	-	921 to 1,046	13 (6AM-7PM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	79 to 266	-	119 to 306	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	C	680	25 to 63	-	32 to 79	-	902 to 949	13 (6AM-7PM)
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	35 to 97	-	905 to 967	13 (6AM-7PM)

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (2) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	No
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	Yes	No
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	Yes	No
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	Yes	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	Yes	No
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Yes	No
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	No
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	No
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

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TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Yes	Yes
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	Yes	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	Yes
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	Yes	No
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	Yes	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Yes	Yes
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	Yes	Yes
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	Yes	Yes
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	Yes	Yes
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	Yes	Yes
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	Yes	No
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
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TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	Yes	No
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	Yes	No
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	Yes	No
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	Yes	No
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	Yes	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	Yes	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	Yes	Yes
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	Yes	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	Yes	Yes
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	Yes	No
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	Yes	No
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Yes	Yes
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line	Acceptable	Yes	No

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TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	Yes	No
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	Yes	Yes
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	Yes	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	Yes	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	Yes	No
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	Yes	No
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	Yes	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	Yes	No
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	Yes	No
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Yes	No
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No

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TABLE 20: PIPELINE/TUNNEL ALTERNATIVE 2D PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	Yes	No
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

Notes:

(1) *Italicized* text indicates the impact is less because the project adds less than 100 trips per hour to the roadway segment

BDCP Construction Traffic Impact Analysis
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1 *Modified Pipeline/Tunnel and Intake 2 (Alternative 5A)*

2 The modified pipeline/tunnel alignment is similar to the pipeline/tunnel alignment in that it would convey
3 water from the north Delta to the south Delta through a series of pipelines and tunnels. The alignment is
4 similar to the pipeline/tunnel conveyance alternative north of Lambert Road and south of SR 12. Between
5 Lambert Road and SR 12, the modified pipeline/tunnel alignment would travel east of the pipeline/tunnel
6 alignment. Construction activity under the modified pipeline/tunnel alignment includes construction of
7 intakes and pumping plants in the north Delta region, pipelines and tunnels to convey the water south, an
8 intermediate forebay near Twin Cities Road, and modifications to the Clifton Court Forebay in the south
9 Delta area.

10 Table 17 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the
11 modified pipeline/tunnel alignment. Table 15 also identifies the number of occurrences and the respective
12 time frame when roadway segments exceed the hourly volume LOS threshold for each scenario. The
13 results presented in Table 17 indicate that 23 roadway segments exceed the LOS threshold for at least one
14 hour during the 6 AM to 7 PM period under BPBG conditions and 33 roadway segments exceed the LOS
15 threshold for at least one hour under BPBGPP conditions for the modified pipeline/tunnel alignment.

16 Table 18 summarizes the baseline plus project pavement impacts for the study roadway segments. The
17 results presented in Table 18 indicate that construction activity related to the modified pipeline/tunnel
18 alignment would result in a potential impact to the physical conditions on 42 of the study roadway
19 segments.

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	477 to 813	-	1,032 to 1,368	-
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	598 to 1,547	-	1,153 to 2,102	7 (8-9AM; 12-6PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	373 to 1,025	-	928 to 1,580	-
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	542 to 1,612	-	882 to 1,952	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	154 to 409	-	229 to 484	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	112 to 368	-	187 to 443	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,320 to 1,959	4 (7-8AM; 3-6PM)	1,875 to 2,514	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 243	-	184 to 318	-

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	599 to 1,125	-	1,154 to 1,680	2 (8-9AM; 5-6PM)
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	3,131 to 7,039	1 (7-8AM)	3,316 to 7,224	1 (7-8AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,952 to 6,761	2 (4-6PM)	2,137 to 6,946	2 (4-6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,688 to 5,876	-	2,783 to 5,971	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,775 to 6,031	-	1,870 to 6,126	1 (5-6PM)
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	2,118 to 3,885	-	2,213 to 3,980	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,456 to 3,868	-	1,551 to 3,963	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,789 to 2,572	-	2,229 to 3,012	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,458 to 2,678	-	1,898 to 3,118	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,728 to 2,262	-	1,913 to 2,447	-
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,476 to 2,402	-	1,661 to 2,587	-

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,600 to 2,097	-	2,040 to 2,537	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,355 to 2,211	-	1,795 to 2,651	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,786 to 2,344	-	1,891 to 2,449	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,466 to 2,462	-	1,571 to 2,567	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,847 to 2,451	-	1,942 to 2,546	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,489 to 2,566	-	1,584 to 2,661	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,674 to 2,581	-	1,769 to 2,676	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,461 to 1,927	-	1,556 to 2,022	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,932 to 2,856	-	2,027 to 2,951	-
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,566 to 2,608	-	1,661 to 2,703	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,441 to 4,350	-	2,536 to 4,445	-

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,289 to 3,478	-	2,384 to 3,573	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	162 to 566	-	532 to 936	-
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	464 to 550	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	411 to 495	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	127 to 206	-	682 to 761	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	79 to 139	-	634 to 694	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	83 to 166	-	638 to 721	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	100 to 166	-	655 to 721	-
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	728 to 1,020	-
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	748 to 933	-
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	587 to 991	-	1,142 to 1,546	-

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	46 to 194	-	601 to 749	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 28	-	116 to 133	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	4,003 to 9,092	3 (3-6PM)	4,443 to 9,532	4 (2-6PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	7,476 to 11,560	6 (6-9AM; 3-6PM)	7,916 to 12,000	9 (6-10AM; 1-6PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	697 to 2,438	-	1,137 to 2,878	-
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	1,094 to 2,145	-	1,534 to 2,585	-
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	C	5,060	2,408 to 3,573	-	3,137 to 4,655	-	3,692 to 5,210	2 (4-6PM)
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	2,121 to 3,106	-	2,676 to 3,661	-
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	828 to 1,419	13 (6AM-7PM)	1,383 to 1,974	13 (6AM-7PM)

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)	1,416 to 2,038	13 (6AM-7PM)	1,971 to 2,593	13 (6AM-7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)	1,498 to 2,224	13 (6AM-7PM)	2,053 to 2,779	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM-6PM)	873 to 1,277	13 (6AM-7PM)	978 to 1,382	13 (6AM-7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)	853 to 1,284	13 (6AM-7PM)	958 to 1,389	13 (6AM-7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	3,108 to 5,741	6 (7-9AM; 2-6PM)	3,388 to 6,021	7 (7-9AM; 1-6PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,563 to 4,867	4 (7-8AM; 3-6PM)	3,843 to 5,147	6 (6-9AM; 3-6PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	1,124 to 1,896	-
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	216 to 365	-	771 to 920	13 (6AM-7PM)
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	548 to 909	2 (4-6PM)	1,103 to 1,464	13 (6AM-7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	654 to 1,445	-	1,209 to 2,000	11 (8AM-7PM)

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	967 to 1,301	13 (6AM-7PM)
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)	867 to 1,492	1 (4-5PM)	1,422 to 2,047	13 (6AM-7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	3,201 to 6,039	-	3,756 to 6,594	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,747 to 7,468	2 (7-8AM; 5-6PM)	6,302 to 8,023	5 (7-8AM; 2-6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	3,159 to 5,962	3 (3-6PM)	3,714 to 6,517	4 (2-6PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)	5,633 to 7,320	13 (6AM-7PM)	6,188 to 7,875	13 (6AM-7PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,629 to 6,118	5 (2-7PM)	1,909 to 6,398	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,270 to 5,898	3 (6-9AM)	2,550 to 6,178	3 (6-9AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,803 to 6,386	5 (2-7PM)	2,083 to 6,666	5 (2-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,363 to 5,187	2 (6-8AM)	2,643 to 5,467	3 (6-9AM)

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,922 to 5,292	-	1,967 to 5,337	-
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,334 to 3,880	-	2,379 to 3,925	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,904 to 5,269	-	1,949 to 5,314	-
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,625 to 4,342	-	2,670 to 4,387	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	62 to 120	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	882 to 1,951	-	1,437 to 2,506	-
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	939 to 1,736	-	1,494 to 2,291	11 (7-9AM; 10AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	377 to 947	-	422 to 992	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	174 to 455	-	219 to 500	-

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						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	157 to 339	-	202 to 384	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	1,159 to 2,561	-
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	188 to 610	-	558 to 980	-
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	119 to 421	-	164 to 466	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-	86 to 153	-	641 to 708	-
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	12 to 35	-	567 to 590	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 40	-	575 to 595	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	42 to 73	-	597 to 628	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	138 to 263	-	503 to 628	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	164 to 370	-	209 to 415	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	63 to 140	-	618 to 695	-
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	87 to 138	-	132 to 183	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	237 to 388	-	602 to 753	-

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ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	188 to 357	-	393 to 562	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	106 to 328	-
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 36	-	63 to 81	-
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	59 to 84	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	5 to 66	-	50 to 111	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	20 to 64	-	65 to 109	-
SJ 01	Walnut Grove Rd	Sacramento Co./ SJ Co. Line	I-5	C	790	141 to 232	-	152 to 250	-	357 to 455	-
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	53 to 68	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	443 to 544	-
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	86 to 212	-	421 to 547	-
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-	646 to 1,022	-	1,201 to 1,577	-
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	236 to 370	-	791 to 925	-

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	543 to 1,000	-	1,098 to 1,555	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	383 to 954	-	428 to 999	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	383 to 941	-	718 to 1,276	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,374 to 2,793	-	1,929 to 3,348	-
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	959 to 2,304	2 (7-8AM; 5-6PM)	1,514 to 2,859	9 (7-9AM; 12-7PM)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	665 to 2,094	1 (5-6PM)	1,220 to 2,649	6 (7-9AM; 3-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	50 to 174	-	605 to 729	3 (8-9AM; 4-6PM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	79 to 265	-	124 to 310	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-	31 to 78	-	586 to 633	-

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TABLE 17: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions (3)	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	35 to 95	-	590 to 650	-

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (2) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.
- (3) Modified pipeline/tunnel (Alternative 4) construction traffic estimates for construction of the pipelines, intermediate Forebay, intermediate outlet are based on construction features shared with the pipeline/tunnel alternatives. This analysis does not reflect potential reductions in construction traffic associated with the modified pipeline/tunnel for these features due to differences in the scale of construction activity. Traffic volumes for all other construction features (e.g., intakes, pumping plants) are based on estimates specific to the modified pipeline/tunnel alignment.

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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./ San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	No
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	Yes	No
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	Yes	No
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	Yes	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	Yes	No
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Yes	No
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	No
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	No
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Yes	Yes
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	Yes	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	No
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	Yes	No
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	Yes	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Yes	Yes
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	Yes	Yes
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	Yes	Yes
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	Yes	Yes
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	Yes	Yes
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	Yes	Yes
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./San Joaquin Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes

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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	Yes	No
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	Yes	No
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	Yes	No
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	Yes	Yes
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	Yes	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	Yes	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	Yes	Yes
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	Yes	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	Yes	Yes
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	Yes	Yes
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	Yes	No
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Yes	No
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/ River Rd	Walnut Grove Bridge	Sacramento Co./ San Joaquin Co. Line	Acceptable	Yes	No

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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	Yes	No
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	Yes	No
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	Yes	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	Yes	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	Yes	No
SJ 01	Walnut Grove Rd	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	Yes	No
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	Yes	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	Yes	No
SJ 05	Byron Hwy	Alameda Co./ San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	Yes	No
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Yes	Yes
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 18: PIPELINE/TUNNEL ALTERNATIVE 5A PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions (1)	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	Yes	No
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

Notes:

- (2) Modified pipeline/tunnel (Alternative 4) construction traffic estimates for construction of the pipelines, intermediate Forebay, intermediate outlet are based on construction features shared with the pipeline/tunnel alternatives. This analysis does not reflect potential reductions in construction traffic associated with the modified pipeline/tunnel for these features due to differences in the scale of construction activity. Traffic volumes for all other construction features (e.g., intakes, pumping plants) are based on estimates specific to the modified pipeline/tunnel alignment.
- (3) *Italicized* text indicates the impact is less because the project adds less than 100 trips per hour to the roadway segment

BDCP Construction Traffic Impact Analysis
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1 East Canal (Alternatives 1B, 2B, and 6B)

2 The east canal alternatives would divert water from the north Delta via intakes and pipelines on the east
3 bank of the Sacramento River to a canal along the eastern side of the Delta. The canal would carry water
4 by gravity from the north Delta to the south Delta assisted by an intermediate pumping plant.

5 Construction activity under this alternative alignment includes constructing intakes and pumping plants in
6 the north Delta region, canals to carry the water south, siphons and bridges at other waterways and
7 roadways, and a forebay and control structures in the south Delta area.

8 Table 11 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the east
9 canal alternatives. Table 11 also identifies the number of occurrences and the respective time frame when
10 roadway segments exceed the hourly volume LOS threshold for each scenario. The results presented in
11 Table 11 indicate that 20 roadway segments exceed the LOS threshold for at least one hour during the 6
12 AM to 7 PM period under BPBG conditions and 48 roadway segments exceed the LOS threshold for at
13 least one hour under BPBGPP conditions for the east canal alternatives.

14 Table 12 summarizes the baseline plus project pavement impacts for the study roadway segments. The
15 results presented in Table 12 indicate that construction activity related to the east canal alternatives would
16 result in a significant impact to the physical conditions on 48 of the study roadway segments.

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TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	431 to 735	-	956 to 1,260	-
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	592 to 1,531	-	1,262 to 2,201	9 (8-9AM; 11-7PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	371 to 1,019	-	1,041 to 1,689	-
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	489 to 1,456	-	554 to 1,521	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	139 to 370	-	204 to 435	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	101 to 333	-	166 to 398	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,245 to 1,848	3 (3-6PM)	1,915 to 2,518	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 241	-	174 to 306	-
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	541 to 1,016	-	1,066 to 1,541	-

**BDCP Construction Traffic Impact Analysis
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TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	2,914 to 6,552	1 (7–8AM)	3,554 to 7,192	1 (7–8AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,830 to 6,338	2 (4–6PM)	2,470 to 6,978	2 (4–6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,557 to 5,588	-	2,622 to 5,653	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,682 to 5,716	-	1,747 to 5,781	-
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	1,999 to 3,667	-	2,064 to 3,732	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,375 to 3,653	-	1,440 to 3,718	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,675 to 2,408	-	2,315 to 3,048	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,361 to 2,501	-	2,001 to 3,141	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,602 to 2,097	-	2,672 to 3,167	-
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,369 to 2,227	-	2,439 to 3,297	-
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,485 to 1,946	-	1,865 to 2,326	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,257 to 2,052	-	1,637 to 2,432	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,621 to 2,128	-	1,786 to 2,293	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,331 to 2,235	-	1,496 to 2,400	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,677 to 2,224	-	1,912 to 2,459	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,351 to 2,329	-	1,586 to 2,564	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,520 to 2,342	-	1,685 to 2,507	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,326 to 1,749	-	1,491 to 1,914	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,748 to 2,584	-	2,108 to 2,944	-

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TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,417 to 2,360	-	1,777 to 2,720	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,208 to 3,935	-	2,478 to 4,205	-
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,071 to 3,146	-	2,341 to 3,416	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	149 to 521	-	1,424 to 1,796	1 (5-6PM)
CT 24	SR 160 (Freeport Blvd/ River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	1,369 to 1,455	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	1,316 to 1,400	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	119 to 192	-	2,104 to 2,177	13 (6AM-7PM)
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	74 to 130	-	2,059 to 2,115	13 (6AM-7PM)
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	79 to 157	-	2,064 to 2,142	13 (6AM-7PM)
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	92 to 152	-	2,592 to 2,652	13 (6AM-7PM)
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	2,823 to 3,115	13 (6AM-7PM)
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	2,843 to 3,028	13 (6AM-7PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	559 to 942	-	3,509 to 3,892	13 (6AM-7PM)
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	43 to 181	-	568 to 706	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/ Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 27	-	76 to 92	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	3,633 to 8,253	-	5,108 to 9,728	5 (2-7PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	6,786 to 10,493	3 (6-9AM)	8,261 to 11,968	12 (6AM-PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	634 to 2,216	-	2,109 to 3,691	7 (12-7PM)
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	995 to 1,950	-	2,470 to 3,425	3 (6-9AM)
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-	2,864 to 4,249	-	5,814 to 7,199	13 (6AM-7PM)
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	1,928 to 2,824	-	4,878 to 5,774	9 (7-8AM; 11- 7PM)
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	752 to 1,290	12 (6AM-6PM)	3,702 to 4,240	13 (6AM-7PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM–7PM)	1,288 to 1,853	13 (6AM–7PM)	4,238 to 4,803	13 (6AM–7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM–7PM)	1,362 to 2,022	13 (6AM–7PM)	4,312 to 4,972	13 (6AM–7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM–6PM)	788 to 1,154	12 (6AM–6PM)	968 to 1,334	13 (6AM–7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM–6PM)	813 to 1,224	13 (6AM–7PM)	993 to 1,404	13 (6AM–7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	2,851 to 5,266	5 (7-8AM; 2-6PM)	3,261 to 5,676	6 (7–9AM; 2–6PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,351 to 4,578	2 (4–6PM)	3,761 to 4,988	4 (7–8AM; 3–6PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	1,389 to 2,161	5 (12-1PM; 2–6PM)
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	195 to 329	-	1,015 to 1,149	13 (6AM–7PM)
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	495 to 821	2 (4–6PM)	1,915 to 2,241	13 (6AM–7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	614 to 1,357	-	2,034 to 2,777	13 (6AM–7PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	1,832 to 2,166	13 (6AM–7PM)
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)	867 to 1,492	1 (4-5PM)	2,287 to 2,912	13 (6AM–7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	2,941 to 5,549	-	3,651 to 6,259	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,268 to 6,846	-	5,978 to 7,556	3 (7-8AM; 4-6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	2,867 to 5,411	1 (3-4PM)	3,577 to 6,121	4 (2–6PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)	5,113 to 6,645	9 (6–9AM; 12–6PM)	5,823 to 7,355	13 (6AM–7PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,517 to 5,699	4 (3-7PM)	1,777 to 5,959	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,111 to 5,486	3 (6-9AM)	2,371 to 5,746	3 (6-9AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,631 to 5,778	5 (2-7PM)	1,891 to 6,038	5 (2-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,138 to 4,693	1 (6-7AM)	2,398 to 4,953	2 (6-8AM)
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,739 to 4,788	-	2,189 to 5,238	-

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,111 to 3,510	-	2,561 to 3,960	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,723 to 4,767	-	2,173 to 5,217	-
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,375 to 3,928	-	2,825 to 4,378	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	82 to 140	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	817 to 1,807	-	1,487 to 2,477	-
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	852 to 1,575	-	1,522 to 2,245	11 (7-9AM; 11AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	340 to 856	-	405 to 921	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	157 to 411	-	222 to 476	-
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	157 to 337	-	222 to 402	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	2,064 to 3,466	-
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	170 to 551	-	1,445 to 1,826	2 (3-4PM; 5-6PM)

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	109 to 384	-	174 to 449	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-	81 to 145	-	2,066 to 2,130	13 (6AM–7PM)
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	11 to 32	-	471 to 492	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 39	-	480 to 499	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	41 to 72	-	501 to 532	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	134 to 255	-	284 to 405	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	152 to 344	-	612 to 804	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	57 to 127	-	582 to 652	-
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	86 to 136	-	151 to 201	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	230 to 377	-	380 to 527	-
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	182 to 345	-	402 to 565	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	126 to 348	-
SC 13	Race Track Rd/ Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 35	-	83 to 100	-

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	79 to 104	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	4 to 59	-	69 to 124	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	18 to 58	-	83 to 123	-
SJ 01	Walnut Grove Rd	Sacramento Co./ SJ Co. Line	I-5	C	790	141 to 232	-	146 to 241	-	831 to 926	13 (6AM-7PM)
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	478 to 493	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	1,003 to 1,104	13 (6AM-7PM)
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	77 to 192	-	972 to 1,087	13 (6AM-7PM)
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-	584 to 923	-	1,109 to 1,448	-
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	213 to 334	-	738 to 859	-
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	493 to 907	-	1,018 to 1,432	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	346 to 861	-	886 to 1,401	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	346 to 850	-	1,241 to 1,745	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,257 to 2,555	-	1,782 to 3,080	-

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 11: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	866 to 2,081	1 (5-6PM)	1,391 to 2,606	5 (7-9AM; 4-7PM)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	606 to 1,906	-	1,131 to 2,431	3 (7-9AM; 3-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	46 to 160	-	571 to 685	1 (8-9AM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	76 to 257	-	141 to 322	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-	28 to 71	-	553 to 596	-
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	31 to 86	-	556 to 611	-

Notes:

- (4) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (5) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./ San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	No
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	No	No
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	No	No
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	No	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	No	No
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Yes	No
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	No	No
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	No	No
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Yes	Yes
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	Yes	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	Yes
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	Yes	Yes
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	Yes	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Yes	Yes
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	Yes	Yes
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	Yes	Yes
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	Yes	Yes
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	Yes	Yes
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	No	No
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./San Joaquin Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	No	No
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	No	No

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TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	No	No
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	No	No
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	Yes	Yes
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	Yes	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	No	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	Yes	Yes
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	Yes	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	Yes	Yes
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	Yes	Yes
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	Yes	Yes
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Yes	Yes
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/ River Rd	Walnut Grove Bridge	Sacramento Co./ San Joaquin Co. Line	Acceptable	Yes	No
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	No	No
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	No	No

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TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	No	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	No	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	No	No
SJ 01	Walnut Grove Rd	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	Yes	Yes
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	Yes	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	Yes	No
SJ 05	Byron Hwy	Alameda Co./ San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	Yes	Yes
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Yes	Yes
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
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TABLE 12: EAST CANAL (ALTERNATIVES 1B, 2B, AND 6B) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	Yes	Yes
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

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1 West Canal (Alternatives 1C, 2C, and 6C)

2 The west canal alternatives would divert water from the north Delta via intakes and pipelines on the west
3 bank of the Sacramento River to a canal. The canal would carry water south along the western side of the
4 Delta to an intermediate pumping plant, which will pump the water through a tunnel to a canal leading to
5 a new forebay. Construction activity under this alternative alignment includes constructing intakes and
6 pumping plants in the north Delta region, canals and a tunnel to convey the water south, siphons and
7 bridges at other waterways and roadways, and a forebay and control structures in the south Delta area.

8 Table 13 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the
9 west canal alternatives. Table 13 also identifies the number of occurrences and the respective time frame
10 when roadway segments exceed the hourly volume LOS threshold for each scenario. The results presented
11 in Table 13 indicate that 20 roadway segments exceed the LOS threshold for at least one hour during the
12 6 AM to 7 PM period under BPBG conditions and 56 roadway segments exceed the LOS threshold for at
13 least one hour under BPBGPP conditions for the west canal alternatives.

14 Table 14 summarizes the baseline plus project pavement impacts for the study roadway segments. The
15 results presented in Table 14 indicate that construction activity related to the west canal alternatives
16 would result in a potential impact to the physical conditions on 44 of the study roadway segments.

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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	431 to 735	-	1,356 to 1,660	3 (7-8AM; 4-6PM)
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	592 to 1,531	-	1,517 to 2,456	12 (7AM-7PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	371 to 1,019	-	1,296 to 1,944	-
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	489 to 1,456	-	774 to 1,711	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	139 to 370	-	269 to 500	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	101 to 333	-	356 to 588	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,245 to 1,848	3 (3-6PM)	2,170 to 2,773	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 241	-	649 to 781	-
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	541 to 1,016	-	1,466 to 1,941	7 (6-9AM; 3-7PM)

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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	2,914 to 6,552	1 (7-8AM)	3,824 to 7,462	2 (7-9AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,830 to 6,338	2 (4-6PM)	2,740 to 7,248	2 (4-6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,557 to 5,588	-	2,837 to 5,868	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,682 to 5,716	-	1,962 to 5,996	-
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	1,999 to 3,667	-	2,054 to 3,722	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,375 to 3,653	-	1,430 to 3,708	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,675 to 2,408	-	1,730 to 2,463	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,361 to 2,501	-	1,416 to 2,556	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,602 to 2,097	-	1,667 to 2,162	-
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,369 to 2,227	-	1,434 to 2,292	-
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,485 to 1,946	-	2,110 to 2,571	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,257 to 2,052	-	1,882 to 2,677	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,621 to 2,128	-	2,381 to 2,888	1 (4-5PM)
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,331 to 2,235	-	2,091 to 2,995	2 (3-5PM)
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,677 to 2,224	-	1,732 to 2,279	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,351 to 2,329	-	1,406 to 2,384	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,520 to 2,342	-	1,830 to 2,652	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,326 to 1,749	-	1,636 to 2,059	-

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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,748 to 2,584	-	1,878 to 2,714	-
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,417 to 2,360	-	1,547 to 2,490	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,208 to 3,935	-	2,263 to 3,990	-
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,071 to 3,146	-	2,126 to 3,201	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	149 to 521	-	1,959 to 2,331	13 (6AM-7PM)
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	149 to 235	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	96 to 180	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	119 to 192	-	174 to 247	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	74 to 130	-	129 to 185	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	79 to 157	-	1,329 to 1,407	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	92 to 152	-	2,827 to 2,887	13 (6AM-7PM)
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	2,908 to 3,200	13 (6AM-7PM)
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	2,928 to 3,113	13 (6AM-7PM)

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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	559 to 942	-	3,294 to 3,677	13 (6AM-7PM)
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	43 to 181	-	1,668 to 1,806	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/ Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 27	-	211 to 227	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	3,633 to 8,253	-	5,003 to 9,623	4 (2-6PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	6,786 to 10,493	2 (6-8AM)	8,156 to 11,863	12 (6AM-6PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	634 to 2,216	-	2,004 to 3,586	5 (2-7PM)
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	995 to 1,950	-	2,365 to 3,320	3 (6-9AM)
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-	2,864 to 4,249	-	5,599 to 6,984	13 (6AM-7PM)
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	1,928 to 2,824	-	4,663 to 5,559	3 (3-6PM)
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	752 to 1,290	12 (6AM-6PM)	3,487 to 4,025	13 (6AM-7PM)
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)	1,288 to 1,853	13 (6AM-7PM)	4,023 to 4,588	13 (6AM-7PM)

**BDCP Construction Traffic Impact Analysis
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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)	1,362 to 2,022	13 (6AM-7PM)	4,097 to 4,757	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM-6PM)	788 to 1,154	12 (6AM-6PM)	1,538 to 1,904	13 (6AM-7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)	813 to 1,224	13 (6AM-7PM)	1,563 to 1,974	13 (6AM-7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	2,851 to 5,266	5 (7-8AM; 2-6PM)	3,316 to 5,731	6 (7-9AM; 2-6PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,351 to 4,578	2 (4-6PM)	3,816 to 5,043	5 (6-8AM; 3-6PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	1,494 to 2,266	8 (8-9AM; 12-7PM)
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	195 to 329	-	1,120 to 1,254	13 (6AM-7PM)
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	495 to 821	2 (4-6PM)	1,420 to 1,746	13 (6AM-7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	614 to 1,357	-	1,539 to 2,282	12 (7AM-7PM)
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	1,337 to 1,671	13 (6AM-7PM)

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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)	867 to 1,492	1 (4-5PM)	1,792 to 2,417	13 (6AM-7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	2,941 to 5,549	-	3,406 to 6,014	-
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,268 to 6,846	-	5,733 to 7,311	2 (7-8AM; 5-6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	2,867 to 5,411	1 (3-4PM)	3,332 to 5,876	3 (3-6PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)	5,113 to 6,645	9 (6-9AM; 12-6PM)	5,578 to 7,110	13 (6AM-7PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,517 to 5,699	4 (3-7PM)	1,982 to 6,164	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,111 to 5,486	3 (6-9AM)	2,576 to 5,951	3 (6-9AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,631 to 5,778	5 (2-7PM)	2,096 to 6,243	5 (2-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,138 to 4,693	1 (6-7AM)	2,603 to 5,158	2 (6-8AM)
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,739 to 4,788	-	1,794 to 4,843	-
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,111 to 3,510	-	2,166 to 3,565	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,723 to 4,767	-	1,778 to 4,822	-

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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,375 to 3,928	-	2,430 to 3,983	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	72 to 130	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	817 to 1,807	-	1,742 to 2,732	-
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	852 to 1,575	-	1,777 to 2,500	13 (6AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	340 to 856	-	830 to 1,346	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	157 to 411	-	287 to 541	-
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	157 to 337	-	697 to 877	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	2,599 to 4,001	6 (8-9AM; 2- 7PM)
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	170 to 551	-	1,980 to 2,361	13 (6AM-7PM)
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	109 to 384	-	1,919 to 2,194	13 (6AM-7PM)

**BDCP Construction Traffic Impact Analysis
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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137		81 to 145	-	136 to 200	-
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	11 to 32	-	66 to 87	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 39	-	75 to 94	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	41 to 72	-	96 to 127	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	134 to 255	-	1,384 to 1,505	13 (6AM-9AM; 11AM-12PM; 2- 6PM)
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	152 to 344	-	207 to 399	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	57 to 127	-	2,792 to 2,862	13 (6AM-7PM)
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	86 to 136	-	1,336 to 1,386	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	230 to 377	-	360 to 507	-
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	182 to 345	-	1,702 to 2,865	13 (6AM-7PM)
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	116 to 338	-
SC 13	Race Track Rd/ Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 35	-	73 to 90	-

**BDCP Construction Traffic Impact Analysis
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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	69 to 94	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	4 to 59	-	59 to 114	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	18 to 58	-	73 to 113	-
SJ 01	Walnut Grove Rd	Sacramento Co./ SJ Co. Line	I-5	C	790	141 to 232	-	146 to 241	-	1,666 to 1,761	13 (6AM-7PM)
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	63 to 78	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	163 to 264	-
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	77 to 192	-	132 to 247	-
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	D	1,600	521 to 824	-	584 to 923	-	1,509 to 1,848	13 (6-9AM; 2-7PM)
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	213 to 334	-	1,138 to 1,259	-
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	493 to 907	-	1,418 to 1,832	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	346 to 861	-	401 to 916	-
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	346 to 850	-	401 to 905	-
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,257 to 2,555	-	2,882 to 4,180	6 (7-9AM; 3-7PM)

**BDCP Construction Traffic Impact Analysis
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TABLE 13: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	866 to 2,081	1 (5-6PM)	2,491 to 3,706	13 (6AM-7PM)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	606 to 1,906	-	2,231 to 3,531	13 (6AM-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	46 to 160	-	1,671 to 1,785	13 (6AM-7PM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	76 to 257	-	1,886 to 2,067	13 (6AM-7PM)
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-	28 to 71	-	2,763 to 2,806	13 (6AM-7PM)
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	31 to 86	-	1,656 to 1,711	13 (6AM-7PM)

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (2) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.

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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./ San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	No
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	Yes	Yes
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	Yes	Yes
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	Yes	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	Yes	Yes
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Yes	Yes
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	No	No
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	No	No
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	Yes	Yes
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	Yes	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	No	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	Yes
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	No	No
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	No	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	Yes	Yes
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	No	No
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	No	No
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	No	No
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	No	No
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes

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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	Yes	Yes
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No

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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	No	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	No	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	No	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	No	No
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	Yes	No

**BDCP Construction Traffic Impact Analysis
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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	Yes	Yes
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	Yes	Yes
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	Yes	Yes
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	Yes	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	Yes	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	No	No
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	No	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	No	No
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	No	No
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	No	No
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Yes	Yes
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ San Joaquin Co. Line	Acceptable	Yes	No
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	No	No
SC 13	Race Track Rd/ Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	No	No

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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	No	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	No	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	No	No
SJ 01	Walnut Grove Rd	Sacramento Co./ San Joaquin Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	No	No
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	No	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	No	No
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	No	No
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	No	No
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes

**BDCP Construction Traffic Impact Analysis
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TABLE 14: WEST CANAL (ALTERNATIVES 1C, 2C, AND 6C) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	Yes	Yes
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

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1 Through Delta/Separate Corridors (Alternative 9)

2 The through delta/separate corridors alignment would consist of four corridors: two for water supply and
3 two for fish movement. Water would travel south from proposed intakes near Walnut Grove through a
4 series of rivers and canals guided by operable barriers. Construction activity under this alignment includes
5 constructing the intakes near Walnut Grove, operable barriers throughout the Delta, and dredging of
6 existing canals and waterways to convey additional water.

7 Table 15 summarizes the Baseline, BPBG, and BPBGPP LOS for the study roadway segments under the
8 through delta/separate corridors alignment. Table 15 also identifies the number of occurrences and the
9 respective time frame when roadway segments exceed the hourly volume LOS threshold for each
10 scenario. The results presented in Table 15 indicate that 23 roadway segments exceed the LOS threshold
11 for at least one hour during the 6 AM to 7 PM period under BPBG conditions and 56 roadway segments
12 exceed the LOS threshold for at least one hour under BPBGPP conditions for the through delta/separate
13 corridors alignment.

14 Table 16 summarizes the baseline plus project pavement impacts for the study roadway segments. The
15 results presented in Table 16 indicate that construction activity related to the through delta/separate
16 corridors alignment would result in a potential impact to the physical conditions on 42 of the study
17 roadway segments.

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
ALA 01	Byron Hwy	Contra Costa Co./ Alameda Co. Line	Alameda Co./San Joaquin Co. Line	D	1,600	385 to 656	-	470 to 800	-	2,160 to 2,490	13 (6AM-7PM)
BRE 01	Brentwood Blvd (old SR 4) ¹	Delta Rd (Oakley City Limits)	Balfour Rd	C	970	586 to 1,516	11 (7-9AM; 10AM-7PM)	-	-	-	-
				D	1,760	-	-	597 to 1,544	-	3,302 to 4,249	13 (6AM-7PM)
BRE 02	Brentwood Blvd (old SR 4) ¹	Balfour Rd	Brentwood City Limits (South)	C	1,920	369 to 1,013	-	-	-	-	-
				D	3,540	-	-	373 to 1,024	-	3,078 to 3,729	5 (10-11AM; 12-4PM)
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	D	3,540	437 to 1,300	-	533 to 1,586	-	608 to 1,661	-
CC 01	Bethel Island Rd	Oakley City Limits	End	D	1,600	124 to 330	-	151 to 403	-	226 to 478	-
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	D	1,600	90 to 297	-	110 to 362	-	185 to 437	-
CC 03	Old SR 4 ¹	Brentwood City Limits (South)	Marsh Creek Rd	C	790	1,133 to 1,682	13 (6AM-7PM)	-	-	-	-
				D	1,600	-	-	1,307 to 1,940	4 (7-8AM; 3-6PM)	4,012 to 4,645	13 (6AM-7PM)
CC 04	Byron Hwy	Delta Rd	Old SR 4	D	1,410	108 to 240	-	109 to 243	-	184 to 318	-
CC 05	Byron Hwy	SR 4	Contra Costa Co./ Alameda Co. Line	D	1,600	483 to 907	-	589 to 1,107	-	2,279 to 2,797	13 (6AM-7PM)

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 01	I-5 NB	Florin Rd	Pocket Rd	F	6,060	2,589 to 5,820	-	3,095 to 6,958	1 (7-8AM)	3,170 to 7,033	1 (7-8AM)
CT 02	I-5 SB	Florin Rd	Pocket Rd	F	6,060	1,647 to 5,705	-	1,931 to 6,690	2 (4-6PM)	2,006 to 6,765	2 (4-6PM)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	F	6,060	2,359 to 5,156	-	2,666 to 5,828	-	2,741 to 5,903	-
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	F	6,060	1,543 to 5,243	-	1,759 to 5,978	-	1,834 to 6,053	-
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,820 to 3,339	-	2,098 to 3,848	-	2,173 to 3,923	-
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	F	4,010	1,254 to 3,332	-	1,442 to 3,832	-	1,517 to 3,907	-
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,504 to 2,162	-	1,770 to 2,544	-	1,845 to 2,619	-
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	F	4,010	1,217 to 2,236	-	1,442 to 2,648	-	1,517 to 2,723	-
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,414 to 1,851	-	1,707 to 2,234	-	2,112 to 2,639	-
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	F	4,010	1,207 to 1,964	-	1,458 to 2,373	-	1,863 to 2,778	-
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,312 to 1,720	-	1,580 to 2,072	-	1,655 to 2,147	-
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	C	2,880	1,111 to 1,813	-	1,339 to 2,184	-	1,414 to 2,259	-
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	C	2,880	1,374 to 1,803	-	1,759 to 2,308	-	2,119 to 2,668	-
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	C	2,880	1,128 to 1,894	-	1,444 to 2,424	-	1,804 to 2,784	-
CT 15	I-5 NB	Peltier Rd	Turner Rd	C	2,880	1,421 to 1,885	-	1,819 to 2,413	-	1,894 to 2,488	-
CT 16	I-5 SB	Peltier Rd	Turner Rd	C	2,880	1,145 to 1,974	-	1,466 to 2,527	-	1,541 to 2,602	-
CT 17	I-5 NB	Turner Rd	SR 12	C	2,880	1,288 to 1,985	-	1,649 to 2,541	-	1,759 to 2,651	-
CT 18	I-5 SB	Turner Rd	SR 12	C	2,880	1,124 to 1,482	-	1,439 to 1,897	-	1,549 to 2,007	-
CT 19	I-5 NB	SR 12	Eight Mile Rd	C	4,400	1,533 to 2,267	-	1,901 to 2,811	-	2,011 to 2,921	-

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 20	I-5 SB	SR 12	Eight Mile Rd	C	4,400	1,243 to 2,070	-	1,541 to 2,567	-	1,651 to 2,677	-
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	D	5,410	1,937 to 3,452	-	2,402 to 4,280	-	2,477 to 4,355	-
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	D	5,410	1,817 to 2,760	-	2,253 to 3,422	-	2,328 to 3,497	-
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	E	1,740	136 to 476	-	160 to 559	-	235 to 634	-
CT 24	SR 160 (Freeport Blvd/ River Rd)	Freeport Bridge	Scribner Rd	E	1,740	94 to 180	-	94 to 180	-	169 to 255	-
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	E	1,740	41 to 125	-	41 to 125	-	116 to 200	-
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	E	1,740	105 to 170	-	126 to 204	-	201 to 279	-
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	E	1,740	69 to 122	-	78 to 137	-	153 to 212	-
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	E	1,740	75 to 150	-	82 to 164	-	797 to 879	-
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	E	1,740	78 to 128	-	99 to 163	-	2,494 to 2,558	13 (6AM-7PM)
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	E	1,740	173 to 465	-	173 to 465	-	2,568 to 2,860	13 (6AM-7PM)
CT 31	SR 160	A St (Isleton)	SR 12	E	1,740	193 to 378	-	193 to 378	-	2,588 to 2,773	13 (6AM-7PM)

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 32	SR 160	SR 12	Brannan Island Rd	F	1,740	530 to 894	-	583 to 983	-	3,993 to 4,393	13 (6AM-7PM)
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	B	200	40 to 169	-	45 to 192	-	2,440 to 2,587	13 (6AM-7PM)
CT 34	SR 84 (Courtland Rd/ Ryer Ave)	Courtland Rd	Cache Slough Ferry	C	680	10 to 25	-	11 to 28	-	86 to 103	-
CT 35	I-80 EB	Suisun Valley Rd	SR 12	C	8,350	3,079 to 6,994	-	3,941 to 8,952	3 (3-6PM)	5,646 to 10,657	8 (11AM-7PM)
CT 36	I-80 WB	Suisun Valley Rd	SR 12	C	8,350	5,751 to 8,892	2 (6-8AM)	7,361 to 11,382	7 (6-9AM; 2- 6PM)	9,066 to 13,087	13 (6AM-7PM)
CT 37	SR 12 EB	I-80	Beck Ave	C	2,880	528 to 1,847	-	686 to 2,401	-	2,391 to 4,106	12 (7AM-7PM)
CT 38	SR 12 WB	I-80	Beck Ave	C	2,880	829 to 1,625	-	1,078 to 2,113	-	2,783 to 3,818	12 (6AM-6PM)
CT 39	SR 12	Beck Ave	Sunset Ave/ Grizzly Island Rd	C	5,060	2,408 to 3,573	-	3,091 to 4,587	-	6,501 to 7,977	13 (6AM-7PM)
CT 40	SR 12	Sunset Ave/ Grizzly Island Rd	Walters Rd/ Lawler Ranch Pkwy	C	5,060	1,607 to 2,353	-	2,089 to 3,059	-	5,499 to 6,469	13 (6AM-7PM)
CT 41	SR 12	Walters Rd/ Lawler Ranch Pkwy	SR 113	C	790	627 to 1,075	10 (6-8AM; 9-1PM; 2-6PM)	815 to 1,398	13 (6AM-7PM)	4,225 to 4,808	13 (6AM-7PM)

**BDCP Construction Traffic Impact Analysis
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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 42	SR 12	SR 113	SR 84 (River Rd)	C	790	1,073 to 1,544	13 (6AM-7PM)	1,395 to 2,007	13 (6AM-7PM)	4,805 to 5,417	13 (6AM-7PM)
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	C	970	1,135 to 1,685	13 (6AM-7PM)	1,476 to 2,191	13 (6AM-7PM)	4,886 to 5,601	13 (6AM-7PM)
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./ SJ Co. Line	C	790	704 to 1,030	12 (6AM-6PM)	859 to 1,257	12 (6AM-7PM)	1,074 to 1,472	13 (6AM-7PM)
CT 45	SR 12	Sacramento Co./ SJ Co. Line	I-5	C	790	773 to 1,164	12 (6AM-6PM)	846 to 1,274	13 (6AM-7PM)	1,061 to 1,489	13 (6AM-7PM)
CT 46	I-80 EB	SR 113	Pedrick Rd	C	4,400	2,508 to 4,632	2 (3-5PM)	3,066 to 5,662	6 (7-9AM; 2-6PM)	4,771 to 7,367	13 (6AM-7PM)
CT 47	I-80 WB	SR 113	Pedrick Rd	C	4,400	3,068 to 4,191	-	3,528 to 4,819	4 (7-8AM; 3-6PM)	5,233 to 6,524	13 (6AM-7PM)
CT 48	SR 113	I-80	Dixon City Limits	C	1,920	569 to 1,341	-	569 to 1,341	-	3,979 to 4,751	13 (6AM-7PM)
CT 49	SR 113	Dixon City Limits	SR 12	C	680	174 to 294	-	212 to 359	-	3,622 to 3,769	13 (6AM-7PM)
CT 50	SR 4 (Marsh Creek Rd) ²	Vasco Rd	Byron Hwy (Old SR 4)	D	1,600	442 to 733	-	-	-	-	-
				C	790	-	-	539 to 894	2 (4-6PM)	3,244 to 3,599	13 (6AM-7PM)
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	D	1,600	554 to 1,224	-	647 to 1,430	-	3,352 to 4,135	13 (6AM-7PM)

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	C	790	412 to 746	-	412 to 746	-	3,117 to 3,451	13 (6AM-7PM)
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	D	1,410	867 to 1,492	1 (4-5PM)	867 to 1,492	1 (4-5PM)	3,572 to 4,197	13 (6AM-7PM)
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	2,552 to 4,815	-	3,158 to 5,957	-	4,513 to 7,312	1 (3-4PM)
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	D	7,280	4,550 to 5,913	-	5,667 to 7,364	2 (7-8AM; 5-6PM)	7,022 to 8,719	11 (6-9AM; 10AM-6PM)
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	D	5,410	2,430 to 4,586	-	3,110 to 5,870	3 (3-6PM)	4,465 to 7,225	12 (7AM-7PM)
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	D	5,410	4,333 to 5,631	3 (7-8AM; 4-6PM)	5,546 to 7,208	13 (6AM-7PM)	6,901 to 8,563	13 (6AM-7PM)
CT 58	I-205 EB	I-580	Mountain House Pkwy	C	4,400	1,350 to 5,071	4 (3-7PM)	1,610 to 6,048	5 (2-7PM)	2,455 to 6,893	5 (2-7PM)
CT 59	I-205 WB	I-580	Mountain House Pkwy	C	4,400	1,873 to 4,867	2 (6-8AM)	2,243 to 5,829	3 (6-9AM)	3,088 to 6,674	4 (6-10AM)
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	C	4,400	1,431 to 5,068	4 (3-7PM)	1,774 to 6,284	5 (2-7PM)	2,619 to 7,129	7 (12-7PM)
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	C	4,400	1,875 to 4,117	-	2,325 to 5,105	2 (6-8AM)	3,170 to 5,950	5 (6-11AM)

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	D	5,410	1,525 to 4,200	-	1,891 to 5,208	-	2,546 to 5,863	3 (3-6PM)
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	D	5,410	1,852 to 3,079	-	2,296 to 3,818	-	2,951 to 4,473	-
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	D	5,410	1,511 to 4,182	-	1,874 to 5,186	-	2,529 to 5,841	3 (3-6PM)
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	D	5,410	2,083 to 3,446	-	2,583 to 4,273	-	3,238 to 4,928	-
ISL 01	A St/4th St/ Jackson Blvd.	SR 160	Isleton City Limits	D	1,410	17 to 75	-	17 to 75	-	92 to 150	-
OAK 01	Main Street (Old SR 4) ¹	SR 160	Cypress Rd	C	1,920	752 to 1,663	-	-	-	-	-
				D	3,540	-	-	872 to 1,927	-	3,577 to 4,632	13 (6AM-7PM)
OAK 02	Main Street (Old SR 4) ¹	Cypress Rd	Delta Rd (Oakley City Limits)	C	970	722 to 1,335	10 (7-9AM; 11AM-7PM)	-	-	-	-
				D	1,760	-	-	924 to 1,709	-	3,629 to 4,414	13 (6AM-7PM)
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	D	1,600	304 to 764	-	371 to 932	-	446 to 1,007	-
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	D	1,410	140 to 367	-	171 to 448	-	246 to 523	-
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	D	1,410	155 to 334	-	157 to 339	-	232 to 414	-
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	D	3,540	789 to 2,191	-	789 to 2,191	-	864 to 2,266	-

**BDCP Construction Traffic Impact Analysis
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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	D	1,760	152 to 492	-	185 to 600	-	260 to 675	-
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	D	1,410	98 to 346	-	118 to 415	-	193 to 490	-
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	D	1,410	77 to 137	-	85 to 151	-	160 to 226	-
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	D	1,410	10 to 29	-	12 to 34	-	87 to 109	-
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	D	1,410	19 to 38	-	20 to 40	-	95 to 115	-
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	D	1,410	41 to 71	-	42 to 72	-	117 to 147	-
SC 06	Twin Cities Rd	River Rd	I-5	D	1,410	130 to 248	-	137 to 262	-	852 to 977	-
SC 07	Twin Cities Rd	I-5	Franklin Blvd	D	1,410	141 to 318	-	162 to 365	-	262 to 465	-
SC 08	Sutter Slough Bridge Rd	Sacramento Co./ Yolo Co. Line	Paintersville Bridge	D	1,410	51 to 113	-	62 to 138	-	2,457 to 2,533	13 (6AM-7PM)
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	D	1,410	85 to 134	-	87 to 137	-	802 to 852	-
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	D	1,600	223 to 365	-	236 to 386	-	951 to 1,101	-
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./ SJ Co. Line	D	1,410	175 to 332	-	187 to 355	-	902 to 1,070	-
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	D	1,410	61 to 283	-	61 to 283	-	416 to 638	-

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
SC 13	Race Track Rd/ Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	D	1,410	17 to 34	-	18 to 36	-	93 to 111	-
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	D	1,410	14 to 39	-	14 to 39	-	89 to 114	-
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	D	1,410	4 to 53	-	5 to 65	-	80 to 140	-
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	D	1,410	16 to 52	-	20 to 63	-	95 to 138	-
SJ 01	Walnut Grove Rd	Sacramento Co./ SJ Co. Line	I-5	C	790	141 to 232	-	151 to 248	-	866 to 963	13 (6AM-7PM)
SJ 02	Peltier Rd	Blossom Rd	I-5	C	680	8 to 23	-	8 to 23	-	83 to 98	-
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	C	790	108 to 209	-	108 to 209	-	1,413 to 1,514	13 (6AM-7PM)
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	C	790	69 to 171	-	84 to 209	-	1,389 to 1,514	13 (6AM-7PM)
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkw	D	1,600	521 to 824	-	636 to 1,005	-	2,326 to 2,695	13 (6AM-7PM)
SJ 06	Mountain House Pkw	Byron Hwy	Arnaudo Blvd	D	1,410	190 to 298	-	232 to 364	-	1,922 to 2,054	13 (6AM-7PM)
SJ 07	Mountain House Pkw	Arnaudo Blvd	I-205	D	3,540	418 to 769	-	535 to 984	-	2,225 to 2,674	-
STK 01	Eight Mile Rd	Stockton City Limits	I-5	E	1,870	309 to 769	-	377 to 938	-	452 to 1,013	-

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TABLE 15: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY TRAFFIC OPERATIONS

ID	Segment	From	To	LOS Threshold	LOS Hourly Volume Threshold	Baseline Conditions		Baseline Plus Background Growth Conditions		BPBGPP Conditions	
						Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold	Hourly Volume Range (6AM to 7PM)	Hours Operating Worse Than LOS Threshold
TRA 01	Tracy Blvd	Tracy City Limits	I-205	E	1,870	309 to 759	-	377 to 926	-	1,682 to 2,231	11 (7AM-6PM)
WS 01	Harbor Blvd	Industrial Blvd	US 50	D	3,540	1,140 to 2,317	-	1,355 to 2,753	-	3,750 to 5,148	13 (6AM-7PM)
WS 02	Industrial Blvd/ Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	C	1,920	773 to 1,858	-	943 to 2,267	2 (7-8AM; 5-6PM)	3,338 to 4,662	13 (6AM-7PM)
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	C	1,920	546 to 1,718	-	655 to 2,062	1 (5-6PM)	3,050 to 4,457	13 (6AM-7PM)
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	C	680	42 to 146	-	49 to 172	-	2,444 to 2,567	13 (6AM-7PM)
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	C	680	74 to 249	-	78 to 263	-	153 to 338	-
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./ Yolo Co. Line	C	680	25 to 63	-	31 to 77	-	2,426 to 2,472	13 (6AM-7PM)
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	C	680	28 to 77	-	34 to 94	-	2,429 to 2,489	13 (6AM-7PM)

Notes:

- (1) Facility is analyzed as a Caltrans facility under Baseline Conditions and a local facility under Baseline Plus Construction Conditions – roadway is relinquished to local jurisdiction after Baseline Year (2009). LOS Threshold is LOS C with an hourly volume threshold of 970 under Baseline Conditions and changes to LOS D under Baseline Plus Construction Conditions.
- (2) Facility is analyzed as a local facility under Baseline Conditions and a Caltrans facility under Baseline Plus Construction Conditions – roadway is adopted as a State facility after Baseline Year (2009). LOS Threshold is LOS D under Baseline Conditions and changes to LOS C under Baseline Plus Construction Conditions.

**BDCP Construction Traffic Impact Analysis
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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./San Joaquin Co. Line	Acceptable	Yes	No
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd	Acceptable	Yes	No
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)	Acceptable	Yes	No
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits	Acceptable	Yes	Yes
CC 01	Bethel Island Rd	Oakley City Limits	End	Deficient	Yes	Yes
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	Deficient	No	No
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	Deficient	Yes	Yes
CC 04	Byron Hwy	Delta Rd	Old SR 4	Acceptable	No	No
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	Deficient	Yes	Yes
CT 01	I-5 NB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 02	I-5 SB	Florin Rd	Pocket Rd	Deficient	Yes	Yes
CT 03	I-5 NB	Pocket Rd	Laguna Blvd	Deficient	Yes	Yes
CT 04	I-5 SB	Pocket Rd	Laguna Blvd	Deficient	Yes	Yes
CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	Yes
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd	Deficient	Yes	Yes
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd	Acceptable	Yes	No
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes

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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	Deficient	Yes	Yes
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	Deficient	No	No
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd	Acceptable	No	No
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd	Acceptable	Yes	No
CT 15	I-5 NB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 16	I-5 SB	Peltier Rd	Turner Rd	Acceptable	Yes	No
CT 17	I-5 NB	Turner Rd	SR 12	Acceptable	Yes	No
CT 18	I-5 SB	Turner Rd	SR 12	Acceptable	Yes	No
CT 19	I-5 NB	SR 12	Eight Mile Rd	Deficient	Yes	Yes
CT 20	I-5 SB	SR 12	Eight Mile Rd	Acceptable	Yes	No
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	Deficient	No	No
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln	Acceptable	No	No
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	Deficient	No	No
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	Deficient	No	No
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	Deficient	No	No
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	Deficient	No	No
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	Deficient	No	No
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)	Not Applicable	Yes	No
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge	Acceptable	Yes	No
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	Deficient	Yes	Yes

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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 31	SR 160	A St (Isleton)	SR 12	Deficient	Yes	Yes
CT 32	SR 160	SR 12	Brannan Island Rd	Deficient	Yes	Yes
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	Deficient	Yes	Yes
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry	Deficient	No	No
CT 35	I-80 EB	Suisun Valley Rd	SR 12	Acceptable	Yes	No
CT 36	I-80 WB	SR 12	Suisun Valley Rd	Acceptable	Yes	No
CT 37	SR 12 EB	I-80	Beck Ave	Acceptable	Yes	No
CT 38	SR 12 WB	Beck Ave	I-80	Acceptable	Yes	No
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd	Acceptable	Yes	No
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy	Acceptable	Yes	No
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	Deficient	Yes	Yes
CT 42	SR 12	SR 113	SR 84 (River Rd)	Deficient	Yes	Yes
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)	Not Applicable	Yes	No
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	Deficient	Yes	Yes
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5	Deficient	Yes	Yes
CT 46	I-80 EB	SR 113	Pedrick Rd	Deficient	Yes	Yes
CT 47	I-80 WB	Pedrick Rd	SR 113	Acceptable	Yes	No
CT 48	SR 113	I-80	Dixon City Limits	Acceptable	Yes	No

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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
CT 49	SR 113	Dixon City Limits	SR 12	Deficient	Yes	Yes
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)	Acceptable	Yes	No
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	Deficient	Yes	Yes
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	Deficient	Yes	Yes
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	Deficient	Yes	Yes
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	Deficient	Yes	Yes
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street	Acceptable	Yes	No
CT 58	I-205 EB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 59	I-205 WB	I-580	Mountain House Pkwy	Acceptable	Yes	No
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St	Acceptable	Yes	No
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd	Acceptable	Yes	No
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr	Acceptable	Yes	No
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits	Deficient	No	No
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd	Deficient	Yes	Yes
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	Deficient	Yes	Yes
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd	Acceptable	Yes	No

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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits	Deficient	No	No
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy	Deficient	No	No
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	Deficient	No	No
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits	Acceptable	No	No
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)	Not Applicable	No	No
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	Deficient	No	No
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd	Acceptable	No	No
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	Deficient	No	No
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd	Deficient	No	No
SC 06	Twin Cities Rd	River Rd	I-5	Acceptable	Yes	No
SC 07	Twin Cities Rd	I-5	Franklin Blvd	Deficient	Yes	Yes
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge	Deficient	Yes	Yes
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	Deficient	Yes	Yes
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	Deficient	Yes	Yes
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line	Acceptable	Yes	No
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge	Acceptable	Yes	No
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	Deficient	No	No

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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)	Deficient	No	No
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12	Acceptable	No	No
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12	Acceptable	No	No
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5	Deficient	Yes	Yes
SJ 02	Peltier Rd	Blossom Rd	I-5	Deficient	No	No
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd	Acceptable	Yes	No
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits	Acceptable	Yes	No
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy	Acceptable	Yes	No
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd	Acceptable	Yes	No
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205	Acceptable	Yes	No
STK 01	Eight Mile Rd	Stockton City Limits	I-5	Deficient	Yes	Yes
TRA 01	Tracy Blvd	Tracy City Limits	I-205	Deficient	Yes	Yes
WS 01	Harbor Blvd	Industrial Blvd	US 50	Acceptable	Yes	No
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)	Acceptable	Yes	No
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	Deficient	Yes	Yes
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	Deficient	Yes	Yes

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TABLE 16: SEPARATE CORRIDORS (ALTERNATIVE 9) PROJECT ROADWAY PAVEMENT IMPACTS

Segment ID	Roadway	From	To	Baseline Conditions	Baseline Plus Project Conditions	
					Project Results in Construction Trips Added to Roadway	Project Results in Impact to Deficient Roadway
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd	Deficient	Yes	Yes
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	Deficient	Yes	Yes
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	Deficient	Yes	Yes

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1 Impact Statements

- 2 The section below describes the roadway impacts associated with construction of the proposed project.
 3 Figures 19-3a and 19-3b shows the study roadway segments that have significant roadway operation
 4 impacts. Figures 19-4a and 19-4b show the study roadway segments that have significant pavement
 5 condition impacts.
 6 Table 17 summarizes the number of impacted study roadways by alternative.

TABLE 21: CONSTRUCTION IMPACT SUMMARY							
Type of Impact	Conveyance Alternative						
	Pipeline/ Tunnel	Modified Pipeline/ Tunnel	East Canal	West Canal	Through Delta/ Separate Corridors	Modified Pipeline /Tunnel and Intake	Modified Pipeline /Tunnel and Intakes 1, 2, 3, 4, and 5
Roadway Operations	47	38	48	56	56	33	38
Pavement Conditions	47	46	48	44	42	42	46
Notes: Table shows the number of impacted study roadway segments.							

7 Pipeline/Tunnel (Alternatives 1A, 2A, 3, 5, 6A, 7, and 8)

8 TRANS-1: The proposed project would add construction vehicle trips to roadway segments
9 resulting in LOS conditions under BPBGPP conditions in excess of LOS thresholds.

10 As shown in Table 7, construction of the proposed project would add trips to roadways already operating
 11 below LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway segments to
 12 potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP conditions
 13 that is less than the LOS thresholds.

14 TRANS-2: The proposed project would add construction vehicle trips to roadway segments
15 exacerbating unacceptable pavement conditions under baseline plus project conditions.

16 As shown in Table 8, construction of the proposed project would contribute to further deterioration of the
 17 baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or similar
 18 applicable threshold.

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1 **Modified Pipeline/Tunnel (Alternatives 4 and 4A)**

2 **TRANS-3: The proposed project would add construction vehicle trips to roadway segments**
3 **resulting in LOS conditions under BPBGPP conditions in excess of LOS thresholds.**

4 As shown in Table 9, construction of the proposed project would add trips to roadways already operating
5 below LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway segments to
6 potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP conditions
7 that is less than the LOS thresholds.

8 **TRANS-4: The proposed project would add construction vehicle trips to roadway segments**
9 **exacerbating unacceptable pavement conditions under baseline plus project conditions.**

10 As shown in Table 10, construction of the proposed project would contribute to further deterioration of
11 the baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or
12 similar applicable threshold.

13 *Modified Pipeline/Tunnel and Intakes 1, 2, 3, 4, and 5 (Alternative 2D)*

14 **TRANS-13: The proposed project would add construction vehicle trips to roadway segments**
15 **resulting in unacceptable LOS conditions under baseline plus construction conditions.**

16 As shown in Table 19, construction of the proposed project would add trips to roadways already
17 operating below LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway segments
18 to potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP
19 Conditions that is less than LOS thresholds. This is a *significant* impact

20 **TRANS-14: The proposed project would add construction vehicle trips to roadway segments**
21 **exacerbating unacceptable pavement condition under baseline plus project conditions.**

22 As shown in Table 20, construction of the proposed project would contribute to further deterioration of
23 the baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or
24 similar applicable threshold. This is a *significant* impact.

25 *Modified Pipeline/Tunnel and Intake 2 (Alternative 5A)*

26 **TRANS-11: The proposed project would add construction vehicle trips to roadway segments**
27 **resulting in unacceptable LOS conditions under baseline plus construction conditions.**

28 As shown in Table 17, construction of the proposed project would add trips to roadways already
29 operating below LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway segments
30 to potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP
31 Conditions that is less than LOS thresholds. This is a *significant* impact

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1 **TRANS-12: The proposed project would add construction vehicle trips to roadway segments**
2 **exacerbating unacceptable pavement condition under baseline plus project conditions.**

3 As shown in Table 18, construction of the proposed project would contribute to further deterioration of
4 the baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or
5 similar applicable threshold. This is a *significant* impact.

6 **East Canal (Alternatives 1B, 2B, and 6B)**

7 **TRANS-5: The proposed project would add construction vehicle trips to roadway segments**
8 **resulting in unacceptable LOS conditions under BPBGPP conditions.**

9 As shown in Table 11, construction of the proposed project would add trips to roadways already
10 operating below LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway segments
11 to potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP conditions
12 that is less than the LOS thresholds.

13 **TRANS-6: The proposed project would add construction vehicle trips to roadway segments**
14 **exacerbating unacceptable pavement condition under baseline plus project conditions.**

15 As shown in Table 12, construction of the proposed project would contribute to further deterioration of
16 the baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or
17 similar applicable threshold.

18 **West Canal (Alternatives 1C, 2C, and 6C)**

19 **TRANS-7: The proposed project would add construction vehicle trips to roadway segments**
20 **resulting in unacceptable LOS conditions under BPBGPP conditions.**

21 As shown in Table 13, construction of the proposed project would add trips to roadways already
22 operating below established LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway
23 segments to potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP
24 Conditions that is less than LOS thresholds. This is a *significant* impact.

25 **TRANS-8: The proposed project would add construction vehicle trips to roadway segments**
26 **exacerbating unacceptable pavement condition under baseline plus project conditions.**

27 As shown in Table 14, construction of the proposed project would contribute to further deterioration of
28 the baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or
29 similar applicable threshold. This is a *significant* impact.

30 **Through Delta/Separate Corridors (Alternative 9)**

31 **TRANS-9: The proposed project would add construction vehicle trips to roadway segments**
32 **resulting in unacceptable LOS conditions under baseline plus construction conditions.**

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1 As shown in Table 15, construction of the proposed project would add trips to roadways already
2 operating below LOS thresholds under BPBG Conditions, or cause the hourly LOS for roadway segments
3 to potentially degrade from an acceptable LOS under BPBG Conditions to a LOS under BPBGPP
4 Conditions that is less than LOS thresholds. This is a *significant* impact

5 **TRANS-10: The proposed project would add construction vehicle trips to roadway segments**
6 **exacerbating unacceptable pavement condition under baseline plus project conditions.**

7 As shown in Table 16, construction of the proposed project would contribute to further deterioration of
8 the baseline pavement condition, which is less than the acceptable Pavement Condition Index (PCI) or
9 similar applicable threshold. This is a *significant* impact.

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7. Mitigation Measures

Potential mitigation measures are recommended where feasible to avoid or substantially reduce the significant construction traffic impacts. These measures are listed below and generally structured to focus first on avoidance, then reduction and finally compensation to reduce impacts. The correspondence between the impact statements and the applicable mitigation measures is as follows.

TABLE 22: IMPACT AND MITIGATION MEASURE SUMMARY						
IMPACTS	POTENTIAL MITIGATION MEASURES					
	TRANS-1a	TRANS-1b	TRANS-1c	TRANS-2a	TRANS-2b	TRANS-2c
TRANS-1, 3, 5, 7, 9, 11	X	X	X			
TRANS-2, 4, 6, 8, 10, 13				X	X	X
Notes: Mitigation Measure TRANS-1a applies to all impacts because it contains construction contract specifications that are needed to implement the other mitigation measures.						

Mitigation Measure TRANS-1a: Implement site-specific construction traffic management plan

Prior to construction, the project proponents will be responsible for project management and may contract with one or more construction management firms to assist in ensuring that construction contractors’ crews and schedules are coordinated and that the plans and specifications are being followed. The project proponents will also ensure development of site-specific construction traffic management plans (TMPs) that address the specific steps to be taken before, during, and after construction to minimize traffic impacts, including the mitigation measures and environmental commitments identified in this EIR/EIS. This will include potential expansion of the study area identified in this EIR/EIS. This will include potential expansion of the study area identified in this EIR/EIS to capture all potentially significantly affected roadway segments.

The project proponents will be responsible for developing the TMPs in consultation with the applicable transportation entities, including the following.

- Caltrans for state and federal roadway facilities;
- Local agencies for local roads;
- Transit providers;
- Rail operators;
- The U.S. Coast Guard;
- City and county parks departments; and
- The California Department of Parks and Recreation (DPR).

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1 The project proponents will also ensure that the TMPs are implemented prior to beginning construction at
2 a site. If necessary to minimize unexpected operational impacts or delays experienced during real-time
3 construction, the project proponents will also be responsible for modifying the traffic management plan
4 to reduce these effects.

5 Each TMP will address the following, as needed. Implementation of this measure will ensure operational
6 traffic impacts and delays experienced during construction will be minimized to the greatest extent
7 feasible.

- 8 • Signage warning of roadway surface conditions such as loose gravel, steel plates or similar
9 conditions that could be hazardous to road cycling activity on roadways open to bicycle traffic.
- 10 • Signage and barricades to be used around the work sites.
- 11 • In-water work areas will be indicated by buoys, signage, or other effective means to warn boaters
12 of their presence and restrict access. Warning devices and signage (e.g., “boats keep out” or “no
13 wake zone” labeled buoys) will be in compliance with the U.S. Coast Guard Private Aid to
14 Navigation requirements (U.S. Coast Guard 2012) and effective during non-daylight hours and
15 periods of dense fog.
- 16 • Use of flag people or temporary traffic signals/signage as necessary to slow or detour traffic.
- 17 • Notifications for the public, emergency providers, cycling organizations, bike shops, and schools,
18 the U.S. Coast Guard, boating organizations, marinas, city and county parks departments, and
19 DPR, where applicable, describing construction activities that could affect transportation and
20 water navigation.
- 21 • Outreach (via public meetings and/or flyers and other advertisements)
- 22 • Procedures for construction area evacuation in the case of an emergency declared by county or
23 other local authorities.
- 24 • Alternate access routes via detours and bridges to maintain continual circulation for local travelers
25 in and around construction zones, including bicycle riders, pedestrians, and boaters, where
26 applicable.
- 27 • Description of construction staging areas, material delivery routes, and specification of
28 construction vehicle travel hour limits.
- 29 • Notifications to commercial and leisure boating community of proposed barge operations in the
30 waterways, including posting notices at Delta marinas and public launch ramps. This information
31 will provide details regarding construction site location(s), construction schedules, and
32 identification of no-wake zone, speed restricted zones, and/or detours, where applicable.

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- 1 • No-wake zone and speed-restrictions will be established as part of development of the site-
2 specific plans and will be determined to protect the safety of construction workers and
3 recreationists.
- 4 • Designation of areas where nighttime construction will occur.
- 5 • Plans to relocate school bus drop-off and pick-up locations if they will be affected during
6 construction.
- 7 • Scheduling for oversized material deliveries to the work site and haul routes.
- 8 • Provisions that direct haulers are to pull over in the event of an emergency. If an emergency
9 vehicle is approaching on a narrow two-way roadway, specify measures to ensure that
10 appropriate maneuvers will be conducted by the construction vehicles to allow continual access
11 for the emergency vehicles at the time of an emergency.
- 12 • Control for any temporary road closure, detour, or other disruption to traffic circulation, including
13 any temporary partial water channel closures.
- 14 • Designated offsite vehicle staging and parking areas.
- 15 • Posted information for contact in case of emergency or complaint.
- 16 • Daily construction time windows during which construction is restricted or rail operations would
17 need to be suspended for any activity within railroad rights of way.
- 18 • Coordination with rail providers (BNSF Railway, Amtrak, and UPRR) to develop alternative interim
19 transportation modes (e.g., trucks or buses) that could be used to provide freight and/or
20 passenger service during any longer term railroad closures.
- 21 • Coordination with transit providers (SCT, Tri-Delta, Rio Vista, and Greyhound Bus Lines) to
22 develop daily construction time windows during which transit operations would not be either
23 detoured or significantly slowed.
- 24 • Routinely post information to the 511.org website regarding construction delays and detours.
- 25 • Other actions to be identified and developed as may be needed by the construction
26 manager/resident engineer to ensure that temporary impacts on transportation facilities are
27 minimized.

28 **Mitigation Measure TRANS-1b: Limit Hours or Amount of Construction Activity on Congested**
29 **Roadway Segments**

30 Where feasible, limit construction activity to fit within available reserve capacity or shift construction
31 activity to hours with more reserve capacity so as to achieve acceptable LOS conditions (see Table 2). The
32 project proponents will include in the bid specifications a requirement that the contractor submit a

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1 proposal for a process for determining when the hours of construction can feasibly be limited to avoid
2 operational deficiencies on identified roadway segments as specified in Table 18.

3 **Mitigation Measure TRANS-1c: Make Good Faith Efforts to Enter Into Mitigation Agreements to**
4 **Enhance Capacity of Congested Roadway Segments**

5 Prior to commencement of construction activities substantially affecting transportation facilities, the
6 project proponents will make a good faith effort to enter into mitigation agreements with affected state,
7 regional, or local agencies (“affected agencies”) to verify the location, extent, timing, and fair share cost to
8 be paid for capacity enhancements to the identified roadway segments specified in Table 18.

9 Implementation of this measure is intended to provide funding from project proponents sufficient to
10 provide their fair share of the cost of capacity expansion so that traffic operating conditions (i.e., LOS) on
11 study area roadways do not operate at a level of service or delay that is worse than the pre-project
12 conditions (to the extent feasible in light of costs, logistics, and other factors). The project proponents will
13 include in the bid specifications requirements that the contractor(s) ensure that all enhancements are
14 conducted in compliance with applicable standards of affected agencies and with any applicable
15 mitigation agreements, as described below.

16 In attempting in good faith to enter into mitigation agreements with affected agencies, project
17 proponents shall be guided by the following principles. The BDCP proponents shall be responsible for
18 their fair share costs of all feasible capacity-expanding physical improvements jointly determined by
19 project proponents and the affected agencies to be necessary, feasible, and available to reduce the
20 severity of the BDCP’s significant construction-related transportation impacts. Fair share calculations shall
21 account not only for traffic levels as they existed at the time of the public release of the BDCP Draft
22 EIR/EIS, but also for “background growth” between that time frame and the commencement of proposed
23 project construction activities, as well as any probable future projects in the affected agency or
24 neighboring agencies that will likely contribute to the need for, and directly benefit from, increased
25 capacity.

26 (a) The project proponents’ contribution toward such improvements may take any, or some
27 combination, of the following forms:

- 28 1. Construction of improvements, which may be subject to fee credits and/or
29 reimbursement, coordinated by the affected agency, from other fee-paying
30 development projects if available with respect to improvements that would also
31 benefit such fee-paying development projects;
- 32 2. The payment of impact fees to the affected agency in amounts that constitute the
33 project proponents’ fair share contributions to the construction of the required
34 improvements, consistent with the affected agency’s Capital Improvement Program
35 (“CIP”) or other funding program that meets the definition of a “reasonable plan for
36 mitigation” under CEQA case law (i.e., a plan that ensures that (i) the fees collected

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1 from the project proponents will be used for their intended purposes, and (ii) the
2 improvements will actually be built within a reasonable period of time);

- 3 3 The payment of adopted regional impact fees that would provide funding for
4 transportation facilities that are affected by multiple agencies, except where the
5 project proponents' payments of other fees or construction of improvements within
6 the affected agency will create credit against the payment of regional impact fees;
- 7 4 The payment of impact fees to the affected agency in amounts that constitute the
8 project proponents' fair share contributions to the construction of improvements
9 within other agencies and not the affected agency, which payments to the affected
10 agency and transmittal of fees to other agency would occur through one or more
11 enforceable agreements, provided that for each required improvement there is a
12 reasonable plan for mitigation that ensures that (i) the fees collected from the project
13 proponents will be used for their intended purposes, and (ii) the improvements will
14 actually be built within a reasonable period of time; and/or
- 15 5 The payment of impact fees to the California Department of Transportation
16 ("Caltrans") in amounts that constitute the project proponents' fair share
17 contributions to the construction of improvements on federal or state highways or
18 freeways needed in part because of the proposed project, to be made available to
19 Caltrans if and when Caltrans, DWR, and any other the affected agency enter into an
20 enforceable agreement consistent with state law, provided that, for each required
21 improvement, Caltrans has a reasonable mitigation plan that ensures that (i) the fees
22 collected from the project proponents will be used for their intended purposes, and
23 (ii) the improvements will actually be built within a reasonable period of time.

24 In order to obtain the most fair, accurate, and up-to-date calculations of the project proponents' fair share
25 of the costs of required improvements, the agreement(s) reached between project proponents and the
26 affected agency or agencies shall also provide for the following: (i) that the traffic models to be used be
27 operated by transportation consultant mutually acceptable to both project proponents and the affected
28 agency or agencies; and (ii) that the calculations account for (A) newly approved projects cumulatively
29 that contribute to transportation-related impacts and that therefore should contribute to the funding of
30 necessary improvements, and (B) up-to-date cost calculations for the construction of needed
31 improvements based on recent changes in the costs of materials, labor, and other inputs.

32 **Mitigation Measure TRANS-2a: Prohibit Construction Activity on Physically Deficient Roadway**
33 **Segments**

34 The project proponents will, to the extent feasible include in the bid specifications prohibitions against
35 construction traffic from using roadway segments with pavement conditions below the thresholds
36 identified in this study (i.e., an IRI rating greater than 170 or a PCI rating worse than 55). Implementation

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1 of this measure would prohibit all construction traffic on the physically deficient roadway segments listed
2 in Tables 8, 10, 12, 14, and 16, if feasible.

3 **Mitigation Measure TRANS-2b: Limit Construction Activity on Physically Deficient Roadway**
4 **Segments**

5 If complete avoidance of physically deficient roadway segments as described in Mitigation Measure
6 TRANS-2a is not feasible, construction activity will be limited to the extent feasible on the deficient
7 roadways identified in Tables 8, 10, 12, 14, and 16. Implementation of this measure will reduce continuing
8 deterioration of pavement conditions on the most damaged roadways in the study area. The project
9 proponents will include in the bid specifications requirements that limit the amount of construction traffic
10 on roadway segments with pavement conditions below the thresholds identified in this study (i.e., an IRI
11 rating greater than 170 or a PCI rating worse than 55), if feasible. Trucks would be prohibited and
12 construction traffic would be limited to passenger vehicles on travel routes with pavement conditions
13 worse than the thresholds identified in this study (i.e., an IRI rating greater than 170 or a PCI rating worse
14 than 55).

15 **Mitigation Measure TRANS-2c: Improve Physical Condition of Affected Roadway Segments as**
16 **Stipulated in Mitigation Agreements or Encroachment Permits**

17 If use of physically deficient roadways cannot be avoided or limited as specified in Mitigation Measures
18 TRANS-2a and TRANS-2b, it may be necessary to improve the deficient roadways identified in Tables 8,
19 10, 12, 14, or 16, or make other necessary infrastructure improvements, if any, before construction to
20 make them suitable for use during construction. Additionally, all affected roadways would be returned to
21 preconstruction condition or better following construction. Implementation of this measure will ensure
22 that construction activities will not worsen pavement conditions, relative to Existing Conditions.

23 Prior to construction, the project proponents will make a good faith effort to enter into mitigation
24 agreements with or to obtain encroachment permits from affected agencies to verify what the location,
25 extent, timing, and fair share cost to be paid by the project proponents for any necessary pre- and post-
26 construction physical improvements. The fair share amount would be either the cost to return the affected
27 roadway segment to its preconstruction condition or a contribution to programmed planned
28 improvements. Repairs may occur before or after construction and may include overlays, other surface
29 treatments, or roadway reconstruction. The flood protection benefits of roadways will also be considered
30 in developing and implementing activities pursuant to this measure

31 Pre-construction analyses of existing pavement conditions will be conducted just prior to starting
32 construction for any proposed construction traffic travel routes. The preconstruction pavement analysis
33 will establish the baseline for required improvements and will be based on the PCI or IRI methodologies
34 described in this EIR/EIS or an equivalent method as agreed to by the project proponents and the affected
35 agencies. Relevant flood protection agencies will also be consulted during the design of roadway
36 improvements.

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1 The project proponents will include in the bid specifications stipulations that require the contractor(s) to
2 conduct the pre-construction pavement analysis and conduct all improvements in compliance with
3 applicable standards of affected agencies, as stipulated in the mitigation agreements or encroachment
4 permits.

5 It is not anticipated that project construction could cause the need for major transportation infrastructure
6 improvements, such as the need to upgrade or repair existing bridges or the need to construct new
7 highway interchanges. To the extent that construction activities could cause the need for such major
8 transportation infrastructure improvements, the project proponents retain the flexibility to seek alternative
9 means of transporting people, equipment, and materials to construction sites, such as via barges, to avoid
10 the need for such major infrastructure improvements, if any.

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ALA 01	Byron Hwy	Contra Costa Co./Alameda Co. Line	Alameda Co./San Joaquin Co. Line							
BRE 01	Brentwood Blvd (old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd							
BRE 02	Brentwood Blvd (old SR 4)	Balfour Rd	Brentwood City Limits (South)							
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits					TRANS-1b (75 max hourly trips)		
CC 01	Bethel Island Rd	Oakley City Limits	End	TRANS-1b (40 max hourly trips)			TRANS-1b (130 max hourly trips)	TRANS-1b (75 max hourly trips)		
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy	TRANS-1b (40 max hourly trips)			TRANS-1b (255 max hourly trips)			
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CC 04	Byron Hwy	Delta Rd	Old SR 4							

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CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co. Line	TRANS-1b (avoid 6-10AM & 12-7PM; or 950 max hourly trips); TRANS-1c	TRANS-1b (avoid 7-9AM, 3-4PM, & 5-6PM; or 620 max hourly trips)	TRANS-1b (555 max hourly trips)	TRANS-1b (avoid 6-9AM & 3-7PM; or 925 max hourly trips)	TRANS-1c	TRANS-1b (avoid 8-9AM & 5-6PM; or 555 max hourly trips)	TRANS-1b (avoid 6-10AM, 12-1PM, & 3-7PM; or 870 max hourly trips)
CT 01	I-5 NB	Florin Rd	Pocket Rd	TRANS-1b (avoid 7-9AM; or 380 max hourly trips)	TRANS-1b (avoid 7-8AM; or 205 max hourly trips)	TRANS-1b (avoid 7-8AM; or 640 max hourly trips)	TRANS-1b (avoid 7-9AM; or 910 max hourly trips)	TRANS-1b (avoid 7-8AM; or 75 max hourly trips)	TRANS-1b (avoid 7-8AM; or 185 max hourly trips)	TRANS-1b (avoid 7-8AM; or 350 max hourly trips)
CT 02	I-5 SB	Florin Rd	Pocket Rd	TRANS-1b (avoid 4-6PM; or 380 max hourly trips)	TRANS-1b (avoid 4-6PM; or 205 max hourly trips)	TRANS-1b (avoid 4-6PM; or 640 max hourly trips)	TRANS-1b (avoid 4-6PM; or 910 max hourly trips)	TRANS-1b (avoid 4-6PM; or 75 max hourly trips)	TRANS-1b (avoid 4-6PM; or 185 max hourly trips)	TRANS-1b (avoid 4-6PM; or 350 max hourly trips)
CT 03	I-5 NB	Pocket Rd	Laguna Blvd		TRANS-1b (105 max hourly trips)		TRANS-1b (280 max hourly trips)	TRANS-1b (75 max hourly trips)		
CT 04	I-5 SB	Pocket Rd	Laguna Blvd		TRANS-1b (avoid 5-6PM; or 105 max hourly trips)		TRANS-1b (280 max hourly trips)	TRANS-1b (75 max hourly trips)		

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CT 05	I-5 NB	Laguna Blvd	Elk Grove Blvd		TRANS-1b (105 max hourly trips)				TRANS-1b (75 max hourly trips)		
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd		TRANS-1b (105 max hourly trips)				TRANS-1b (75 max hourly trips)		
CT 07	I-5 NB	Elk Grove Blvd	Hood Franklin Rd								
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd								
CT 09	I-5 NB	Hood Franklin Rd	Twin Cities Rd	TRANS-1b (720 max hourly trips)	TRANS-1b (205 max hourly trips)	TRANS-1b (1,070 max hourly trips)	TRANS-1b (65 max hourly trips)	TRANS-1b (405 max hourly trips)	TRANS-1b (185 max hourly trips)	TRANS-1b (660 max hourly trips)	
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd	TRANS-1b (720 max hourly trips)	TRANS-1b (205 max hourly trips)	TRANS-1b (1,070 max hourly trips)	TRANS-1b (65 max hourly trips)	TRANS-1b (405 max hourly trips)	TRANS-1b (185 max hourly trips)	TRANS-1b (660 max hourly trips)	
CT 11	I-5 NB	Twin Cities Rd	Walnut Grove Rd	TRANS-1b (585 max hourly trips)	TRANS-1b (490 max hourly trips)	TRANS-1b (380 max hourly trips)	TRANS-1b (625 max hourly trips)		TRANS-1b (440 max hourly trips)	TRANS-1b (535 max hourly trips)	
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd								
CT 13	I-5 NB	Walnut Grove Rd	Peltier Rd								

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CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd							
CT 15	I-5 NB	Peltier Rd	Turner Rd							
CT 16	I-5 SB	Peltier Rd	Turner Rd							
CT 17	I-5 NB	Turner Rd	SR 12							
CT 18	I-5 SB	Turner Rd	SR 12							
CT 19	I-5 NB	SR 12	Eight Mile Rd	TRANS-1b (125 max hourly trips)	TRANS-1b (105 max hourly trips)	TRANS-1b (360 max hourly trips)	TRANS-1b (130 max hourly trips)	TRANS-1b (110 max hourly trips)		TRANS-1b (115 max hourly trips)
CT 20	I-5 SB	SR 12	Eight Mile Rd							
CT 21	I-5 NB	Eight Mile Rd	Hammer Ln	TRANS-1b (40 max hourly trips)		TRANS-1b (270 max hourly trips)				
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln							
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge	TRANS-1b (760 max hourly trips)	TRANS-1b (410 max hourly trips)		TRANS-1c		TRANS-1b (370 max hourly trips)	TRANS-1b (695 max hourly trips)
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd	TRANS-1b (760 max hourly trips)	TRANS-1b (410 max hourly trips)	TRANS-1b (1,275 max hourly trips)			TRANS-1b (370 max hourly trips)	TRANS-1b (695 max hourly trips)

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CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd	TRANS-1b (760 max hourly trips)	TRANS-1b (410 max hourly trips)	TRANS-1b (1,275 max hourly trips)			TRANS-1b (370 max hourly trips)	TRANS-1b (695 max hourly trips)
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd	TRANS-1b (1,165 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1c			TRANS-1b (555 max hourly trips)	TRANS-1b (1,065 max hourly trips)
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge	TRANS-1b (1,165 max hourly trips)	TRANS-1b (410 max hourly trips)	TRANS-1c			TRANS-1b (555 max hourly trips)	TRANS-1b (1,065 max hourly trips)
CT 28	SR 160 (Paintersville Bridge)	Sutter Slough Bridge Rd	SR 160 (River Rd)							
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge							
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)	TRANS-1b (avoid 2-5 PM; or 1,435 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1b (555 max hourly trips)	TRANS-1b (avoid 3-4 PM; 1,310 max hourly trips)
CT 31	SR 160	A St (Isleton)	SR 12	TRANS-1b (avoid 3-6 PM; or 1,435 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1b (555 max hourly trips)	TRANS-1b (1,310 max hourly trips)

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CT 32	SR 160	SR 12	Brannan Island Rd	TRANS-1b (avoid 3-6 PM; or 950 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1c)	TRANS-1b (555 max hourly trips)	TRANS-1b (avoid 4-6 PM; or 870 max hourly trips)
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry				TRANS-1b (200 max hourly trips)		TRANS-1b (105 max hourly trips)	
CT 35	I-80 EB	Suisun Valley Rd	SR 12							
CT 36	I-80 WB	Suisun Valley Rd	SR 12							
CT 37	SR 12 EB	I-80	Beck Ave							
CT 38	SR 12 WB	I-80	Beck Ave							
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd							
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy							

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CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 42	SR 12	SR 113	SR 84 (River Rd)	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)							
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 46	I-80 EB	SR 113	Pedrick Rd	TRANS-1b (avoid 7-9AM & 12-7PM; or 475 max hourly trips); TRANS-1c	TRANS-1b (avoid 6-9AM & 1-6PM; or 310 max hourly trips)	TRANS-1b (avoid 7-9AM & 2-6PM; or 410 max hourly trips)	TRANS-1b (avoid 7-9AM & 2-6PM; or 465 max hourly trips)	TRANS-1c	TRANS-1b (avoid 7-9AM & 1-6PM; or 280 max hourly trips)	TRANS-1b (avoid 7-9AM & 12-7PM; or 435 max hourly trips); TRANS-1c
CT 47	I-80 WB	Pedrick Rd	SR 113							
CT 48	SR 113	I-80	Dixon City Limits							
CT 49	SR 113	Dixon City Limits	SR 12	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c

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CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)							
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
CT 54	I-5 NB	SR 4 (Freeway)	SR 4 (Charter Way)	TRANS-1b (475 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1b (710 max hourly trips)	TRANS-1b (465 max hourly trips)	TRANS-1b (avoid 3-4PM; or 1,355 max hourly trips)	TRANS-1b (555 max hourly trips)	TRANS-1b (435 max hourly trips)
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)	TRANS-1b (avoid 7-8AM & 2-6PM; or 475 max hourly trips) ²	TRANS-1b (avoid 7-8AM & 2-6PM; or 620 max hourly trips) ²	TRANS-1b (avoid 7-8AM & 4-6PM; or 710 max hourly trips) ²	TRANS-1b (avoid 7-8AM & 5-6PM; or 465 max hourly trips) ²	TRANS-1c ²	TRANS-1b (avoid 7-8AM & 2-6PM; or 555 max hourly trips) ²	TRANS-1b (avoid 7-8AM & 2-6PM; or 435 max hourly trips) ²
CT 56	I-5 NB	SR 4 (Charter Way)	Eighth Street							

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CT 57	I-5 SB	SR 4 (Charter Way)	Eighth Street							
CT 58	I-205 EB	I-580	Mountain House Pkwy							
CT 59	I-205 WB	I-580	Mountain House Pkwy							
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St							
CT 61	I-205 WB	Mountain House Pkwy	Eleventh St							
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd							
CT 63	I-205 WB	Grant Line Rd	Tracy Blvd							
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr							
CT 65	I-205 WB	Tracy Blvd	MacArthur Dr							
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits							
OAK 01	Main St (old SR 4)	SR 160	Cypress Rd	TRANS-1b (950 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1b (670 max hourly trips)	TRANS-1b (925 max hourly trips)	TRANS-1c	TRANS-1b (555 max hourly trips)	TRANS-1b (830 max hourly trips)

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OAK 02	Main St (old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1c
OAK 03	Cypress Rd	Main St (Old SR 4)	Bethel Island Rd							
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits				TRANS-1b (130 max hourly trips)			
OAK 05	Delta Rd	Main St (Old SR 4)	Byron Hwy				TRANS-1b (540 max hourly trips)			
SAC 01	Pocket Rd	I-5	Freeport Blvd (Old SR 160)	TRANS-1b (760 max hourly trips)	TRANS-1b (410 max hourly trips)	TRANS-1b (1,275 max hourly trips)	TRANS-1b (avoid 8-9AM & 2-7PM; or 810 max hourly trips)		TRANS-1b (370 max hourly trips)	
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits							
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)							

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SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5	TRANS-1b (avoid 6-7AM; 8-10AM; 11AM-12PM; 2-7PM; or 1,300 max hourly trips); TRANS-1c	TRANS-1b (620 max hourly trips)	TRANS-1c			TRANS-1b (555 max hourly trips)	TRANS-1b (1,190 max hourly trips)
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd							
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd	TRANS-1b (1,165 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1b (460 max hourly trips)			TRANS-1b (555 max hourly trips)	TRANS-1b (1,065 max hourly trips)
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd		TRANS-1b (620 max hourly trips)	TRANS-1b (460 max hourly trips)			TRANS-1b (555 max hourly trips)	
SC 06	Twin Cities Rd	River Rd	I-5							
SC 07	Twin Cities Rd	I-5	Franklin Blvd			TRANS-1b (460 max hourly trips)		TRANS-1b (100 max hourly trips)		

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 23: ROADWAY TRAFFIC OPERATIONS MITIGATION SUMMARY

Segment ID	Segment	From	To	Applicable Mitigation Measures in Addition to TRANS-1 (Time period for construction traffic to avoid and maximum number of hourly construction trips, if applicable) ¹						
				Pipeline/ Tunnel – Alternatives 1A, 2A, 3, 5, 6A, 7, and 8	Modified Pipeline/ Tunnel – Alternatives 4 and 4A	East Canal – Alternatives 1B, 2B, and 6B	West Canal – Alternatives 1C, 2C, and 6C	Separate Corridors – Alternative 9	Modified Pipeline/ Tunnel – Alternative 5A	Modified Pipeline/ Tunnel – Alternative 2D
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge	TRANS-1b (950 max hourly trips)	TRANS-1b (620 max hourly trips)	TRANS-1b (525 max hourly trips)	TRANS-1c	TRANS-1b (1,288 max hourly trips)	TRANS-1b (555 max hourly trips)	TRANS-1b (870 max hourly trips)
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd	TRANS-1b (125 max hourly trips)		TRANS-1b (70 max hourly trips)	TRANS-1b (1,250 max hourly trips)	TRANS-1c		TRANS-1b (215 max hourly trips)
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge	TRANS-1b (270 max hourly trips)	TRANS-1b (405 max hourly trips)	TRANS-1b (150 max hourly trips)	TRANS-1b (130 max hourly trips)	TRANS-1b (715 max hourly trips)	TRANS-1b (365 max hourly trips)	TRANS-1b (245 max hourly trips)
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line							
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd Bridge	1.5 miles west of Isleton Rd Bridge							
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island	TRANS-1b (140 max hourly trips)						TRANS-1b (123 max hourly trips)
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)							

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 23: ROADWAY TRAFFIC OPERATIONS MITIGATION SUMMARY

Segment ID	Segment	From	To	Applicable Mitigation Measures in Addition to TRANS-1 (Time period for construction traffic to avoid and maximum number of hourly construction trips, if applicable) ¹						
				Pipeline/ Tunnel – Alternatives 1A, 2A, 3, 5, 6A, 7, and 8	Modified Pipeline/ Tunnel – Alternatives 4 and 4A	East Canal – Alternatives 1B, 2B, and 6B	West Canal – Alternatives 1C, 2C, and 6C	Separate Corridors – Alternative 9	Modified Pipeline/ Tunnel – Alternative 5A	Modified Pipeline/ Tunnel – Alternative 2D
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12							
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12							
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5	TRANS-1b (270 max hourly trips)	TRANS-1b (230 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1c	TRANS-1b (205 max hourly trips)	TRANS-1b (245 max hourly trips)
SJ 02	Peltier Rd	Blossom Rd	I-5			TRANS-1b (470 max hourly trips)				
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd							
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits							
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy							
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd							
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205							

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 23: ROADWAY TRAFFIC OPERATIONS MITIGATION SUMMARY

Segment ID	Segment	From	To	Applicable Mitigation Measures in Addition to TRANS-1 (Time period for construction traffic to avoid and maximum number of hourly construction trips, if applicable) ¹						
				Pipeline/ Tunnel – Alternatives 1A, 2A, 3, 5, 6A, 7, and 8	Modified Pipeline/ Tunnel – Alternatives 4 and 4A	East Canal – Alternatives 1B, 2B, and 6B	West Canal – Alternatives 1C, 2C, and 6C	Separate Corridors – Alternative 9	Modified Pipeline/ Tunnel – Alternative 5A	Modified Pipeline/ Tunnel – Alternative 2D
STK 01	Eight Mile Rd	Stockton City Limits	I-5			TRANS-1b (540 max hourly trips)		TRANS-1b (75 max hourly trips)		
TRA 01	Tracy Blvd	Tracy City Limits	I-205	TRANS-1b (305 max hourly trips)	TRANS-1b (375 max hourly trips)	TRANS-1b (895 max hourly trips)		TRANS-1c	TRANS-1b (335 max hourly trips)	
WS 01	Harbor Blvd	Industrial Blvd	US 50							
WS 02	Industrial Blvd/Lake Washington Blvd	Harbor Blvd	Jefferson Blvd (Old SR 84)							
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy	TRANS-1b (avoid 7-9AM & 11AM-7PM; or 950 max hourly trips); TRANS-1c	TRANS-1b (avoid 7-9AM & 3-7PM; or 620 max hourly trips)	TRANS-1b (avoid 7-9AM & 3-7PM; or 525 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1b (avoid 7-9AM & 3-7PM; or 555 max hourly trips)	TRANS-1c
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits	TRANS-1c	TRANS-1c	TRANS-1b (avoid 8-9AM; or 525 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1b (avoid 8-9AM & 4-6PM; or 555 max hourly trips)	TRANS-1c

**BDCP Construction Traffic Impact Analysis
ADMINISTRATIVE DRAFT REPORT – January 2016**

TABLE 23: ROADWAY TRAFFIC OPERATIONS MITIGATION SUMMARY

Segment ID	Segment	From	To	Applicable Mitigation Measures in Addition to TRANS-1 (Time period for construction traffic to avoid and maximum number of hourly construction trips, if applicable) ¹						
				Pipeline/ Tunnel – Alternatives 1A, 2A, 3, 5, 6A, 7, and 8	Modified Pipeline/ Tunnel – Alternatives 4 and 4A	East Canal – Alternatives 1B, 2B, and 6B	West Canal – Alternatives 1C, 2C, and 6C	Separate Corridors – Alternative 9	Modified Pipeline/ Tunnel – Alternative 5A	Modified Pipeline/ Tunnel – Alternative 2D
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd			TRANS-1b (65 max hourly trips)	TRANS-1c	TRANS-1b (75 max hourly trips)		
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line	TRANS-1c	TRANS-1b (avoid 8-9AM & 5-6PM; or 620 max hourly trips)	TRANS-1b (525 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1b (555 max hourly trips)	TRANS-1c
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd	TRANS-1c	TRANS-1b (avoid 7-8AM & 3-6PM; or 620 max hourly trips)	TRANS-1b (525 max hourly trips)	TRANS-1c	TRANS-1c	TRANS-1b (555 max hourly trips)	TRANS-1c

Notes:

- (1) For mitigation measure TRANS-1b, the maximum number of hourly construction trips is shown in parentheses within the specified time period, if applicable. If only a time period is shown, that time period is to be avoided.
 - (2) I-5 North Stockton Widening is currently under construction and would eliminate the operational impact at CT 55, 56, & 57 if completed prior to construction activity.
- Traffic impacts are temporary and as such, capacity enhancements may not be reasonable.

1
2

Attachments A–G

Hourly Roadway Volumes and LOS Threshold Charts

1
2
3

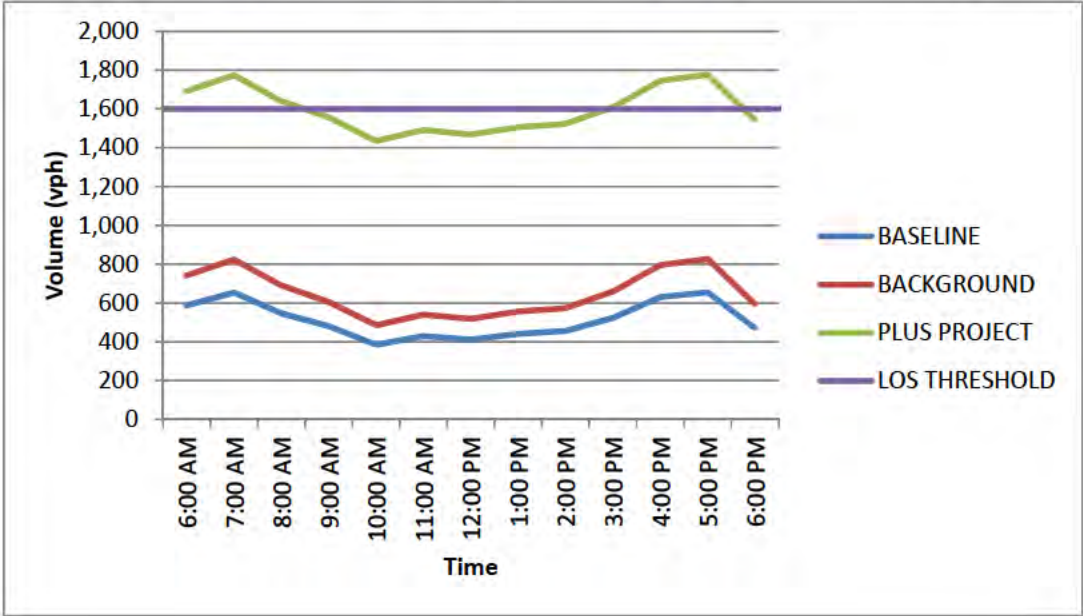
Pipeline/Tunnel Alternatives 1A, 2A, and 6A Hourly Roadway Volumes and LOS Threshold Charts

4 Chart Notes:

- 5
- For roadway segments with no growth in background traffic, the “Background” traffic volume is equal to the “Baseline” traffic volume.
- 6
- For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic volume is equal to the “Baseline” and “Background” traffic volumes.
- 7
- 8

Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

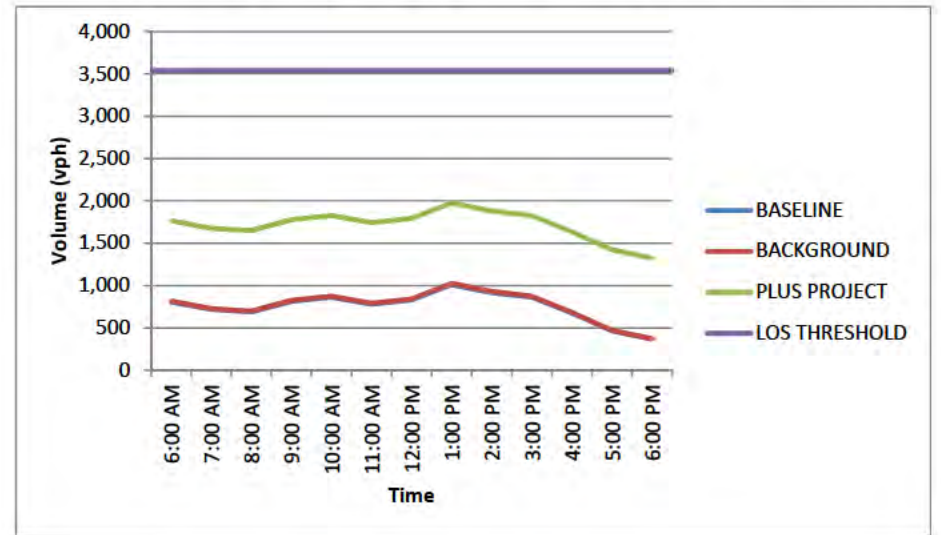
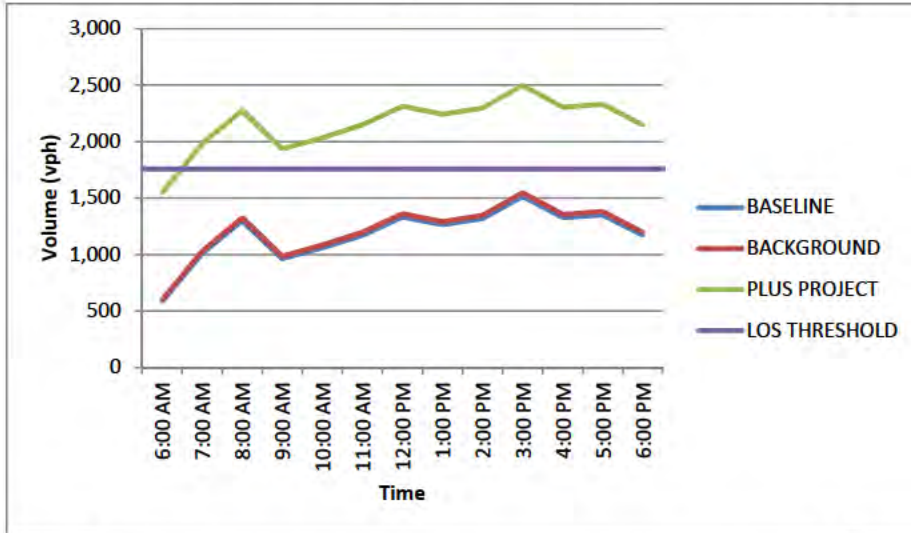
ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line



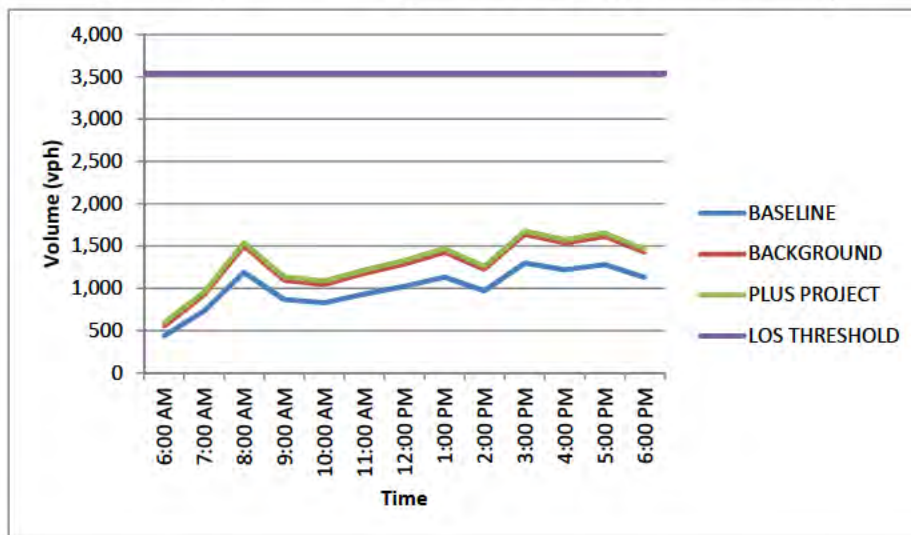
Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - City of Brentwood

ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd

ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)



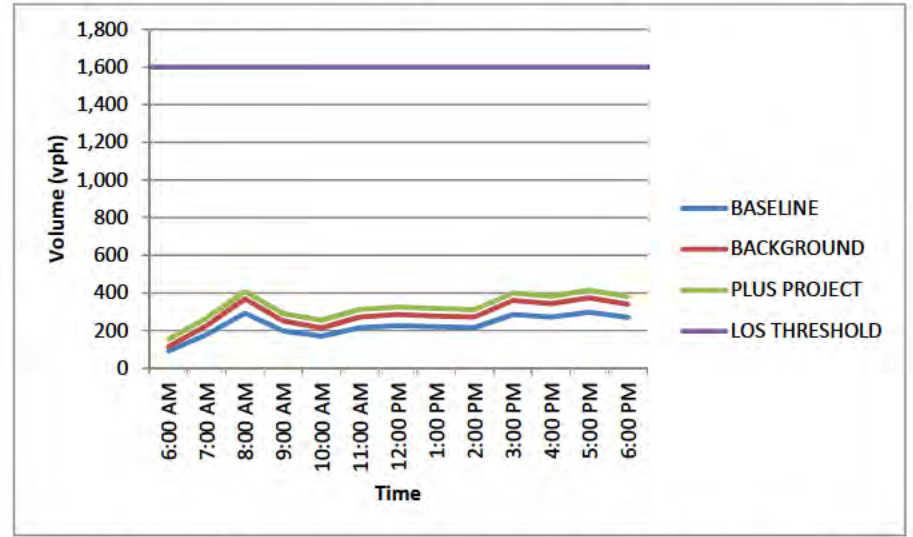
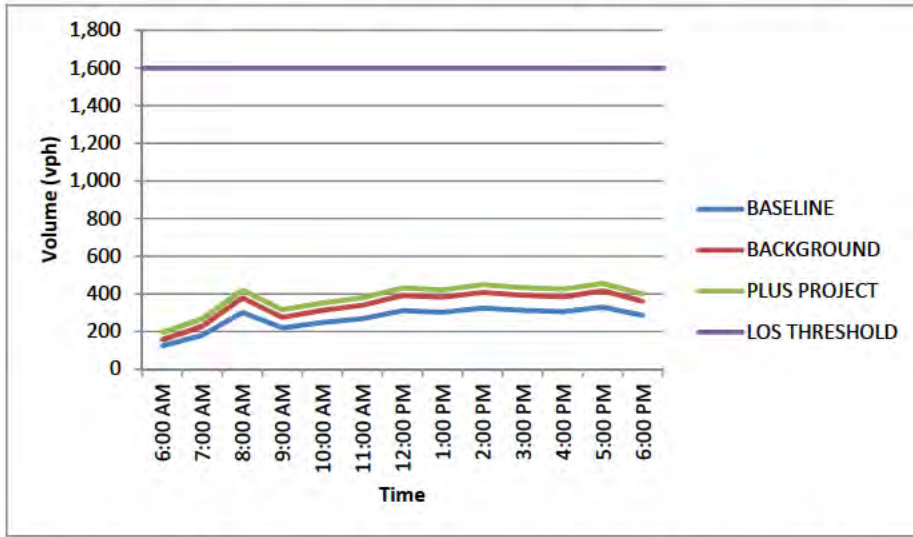
ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits



Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Contra Costa County

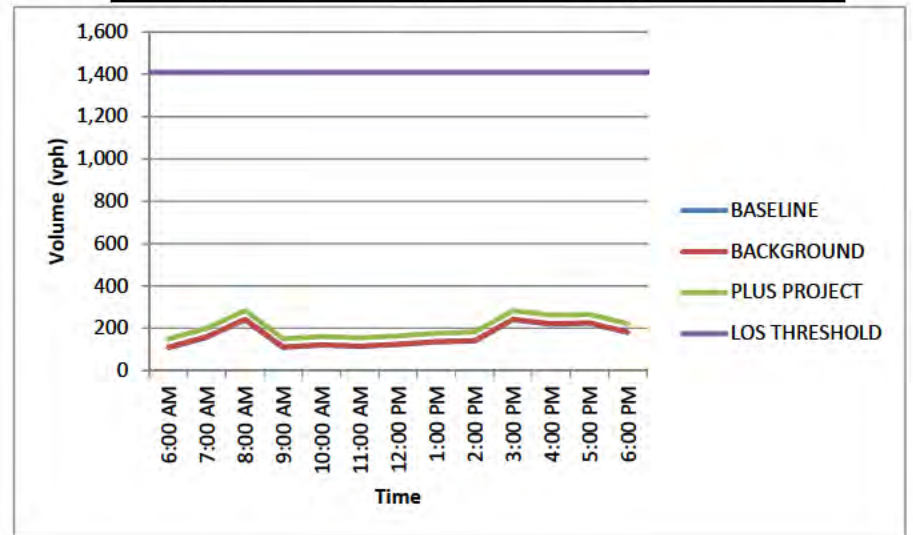
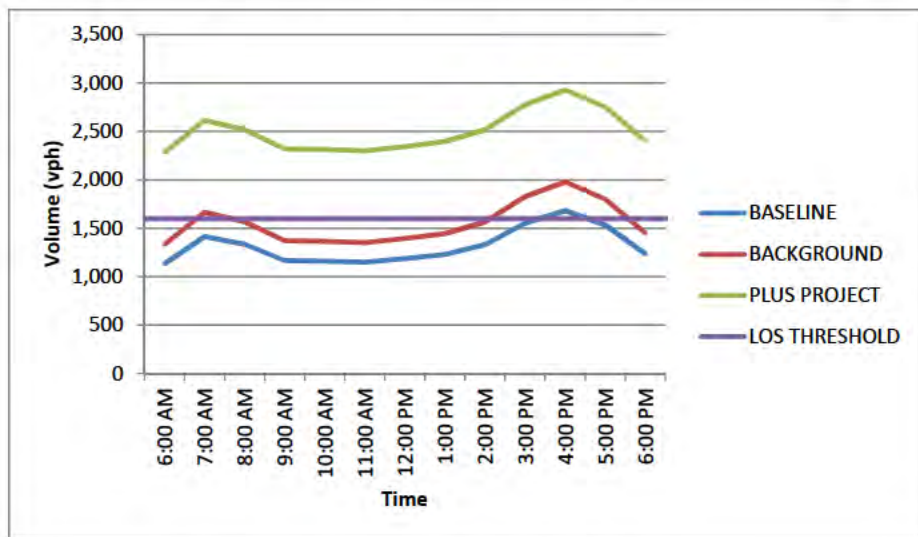
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End

ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



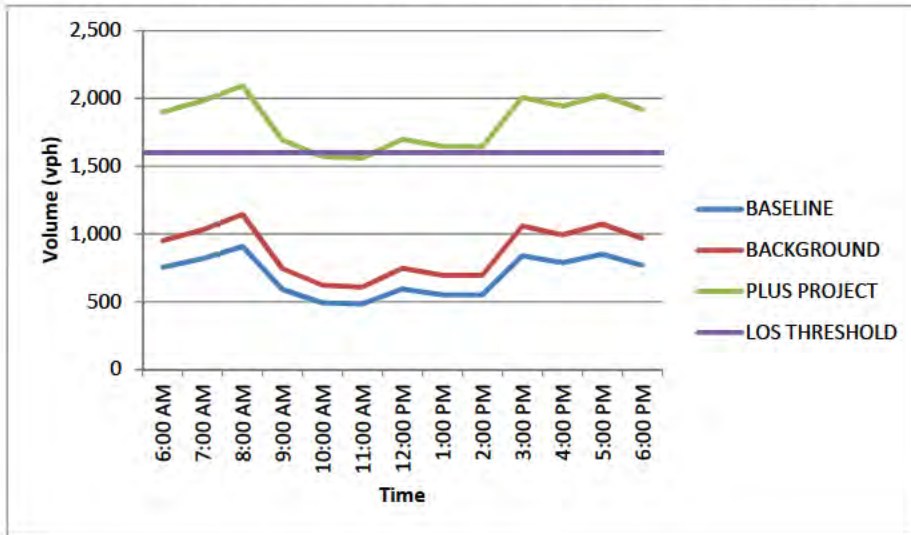
ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



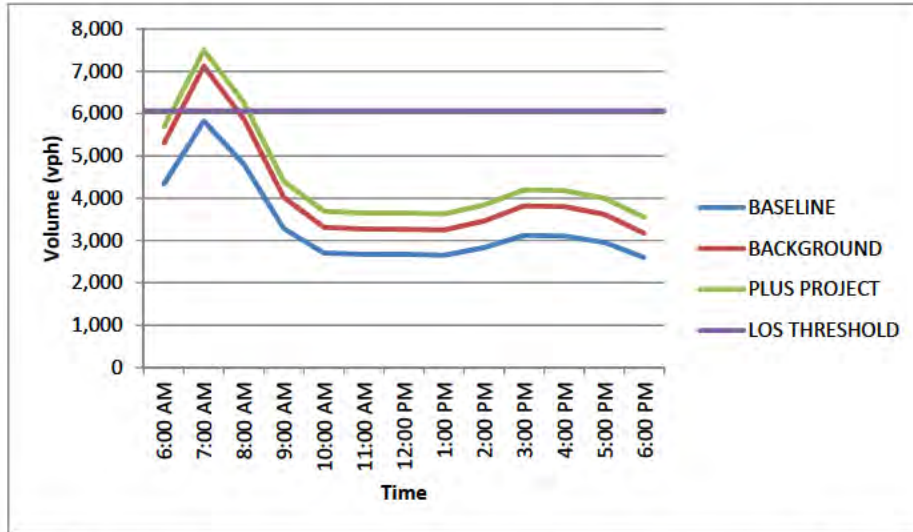
Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

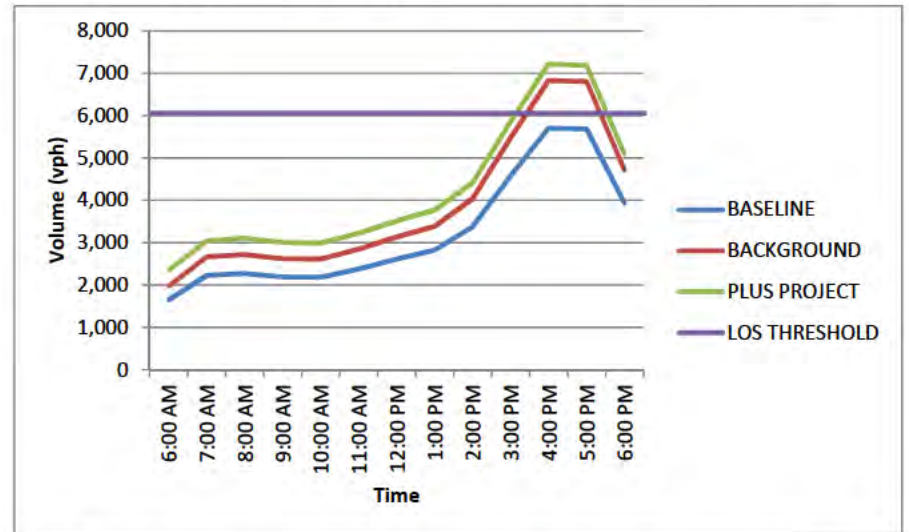


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

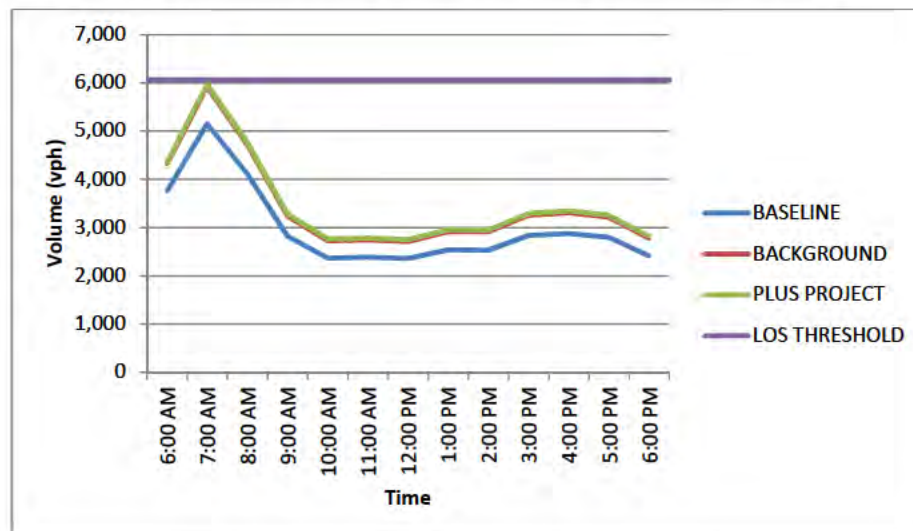
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



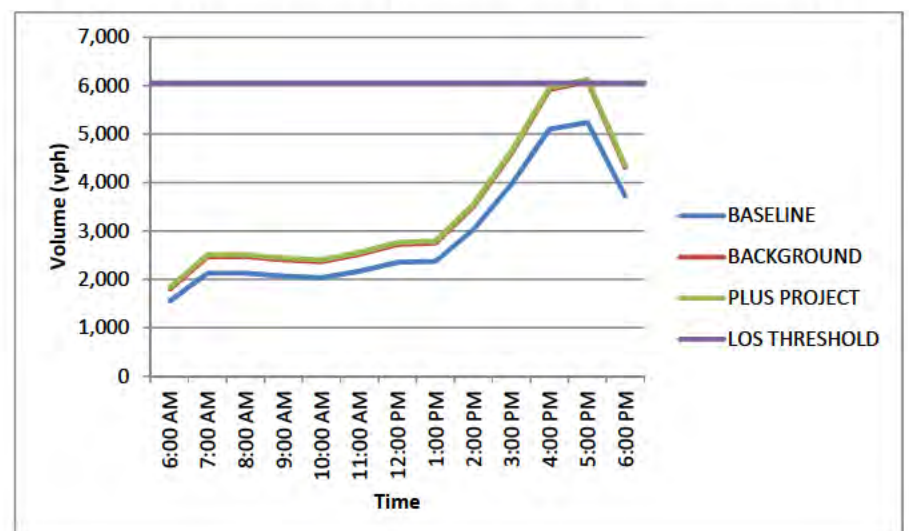
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

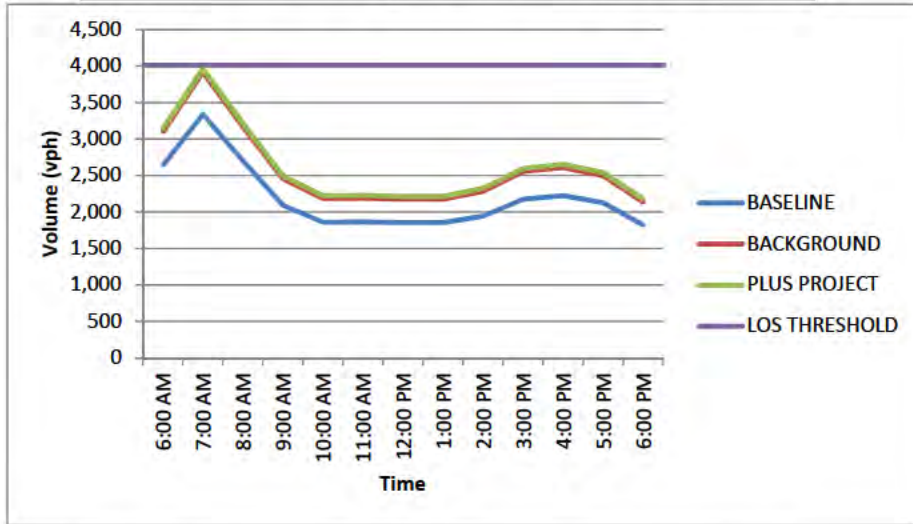


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

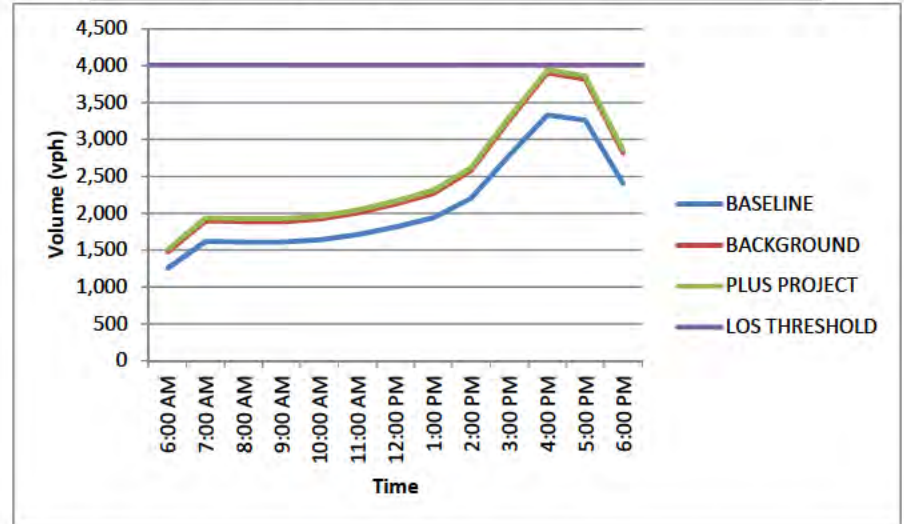


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

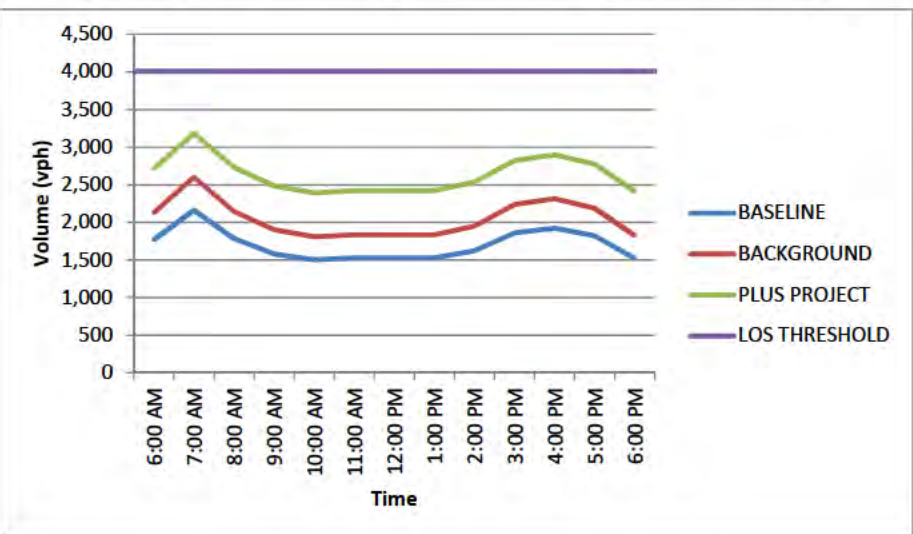
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



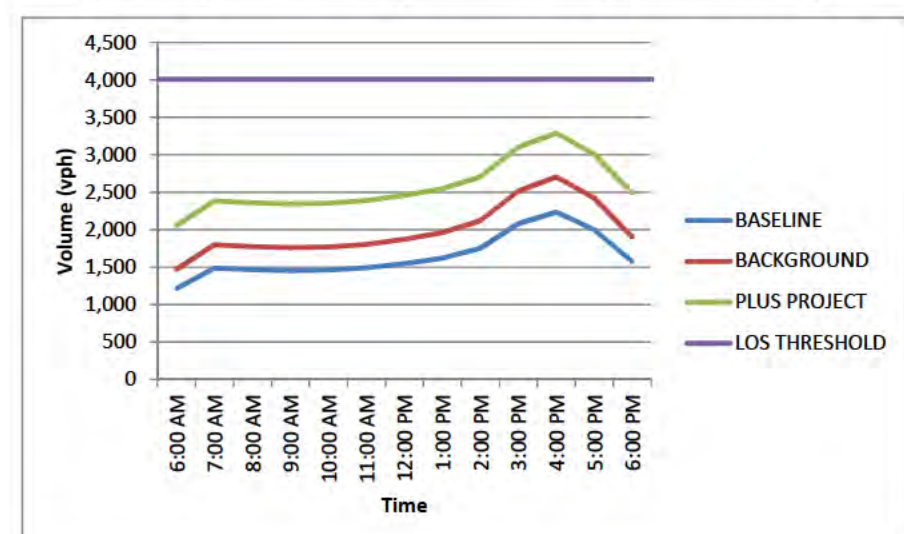
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



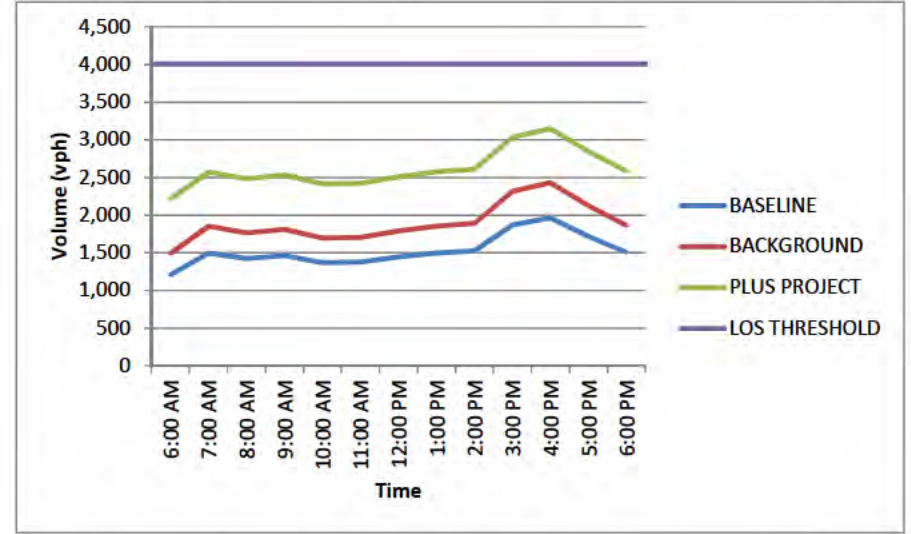
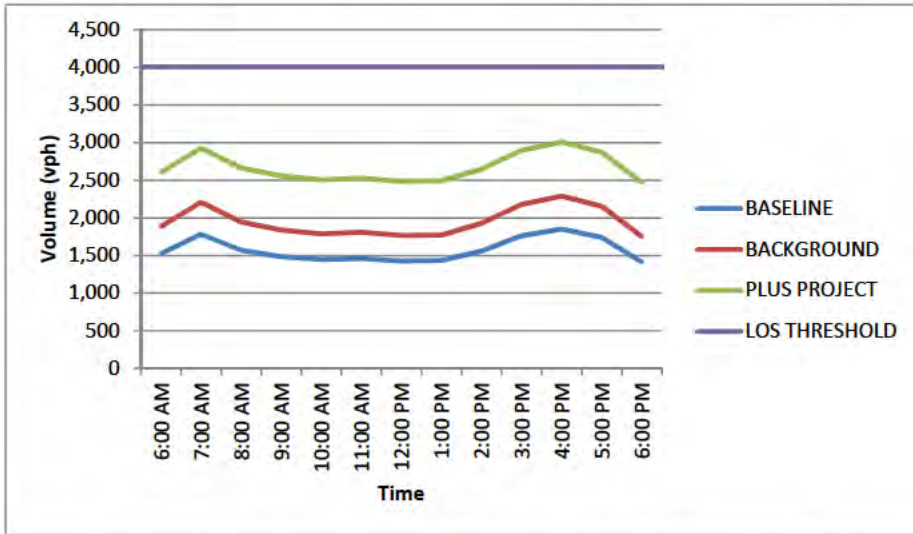
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

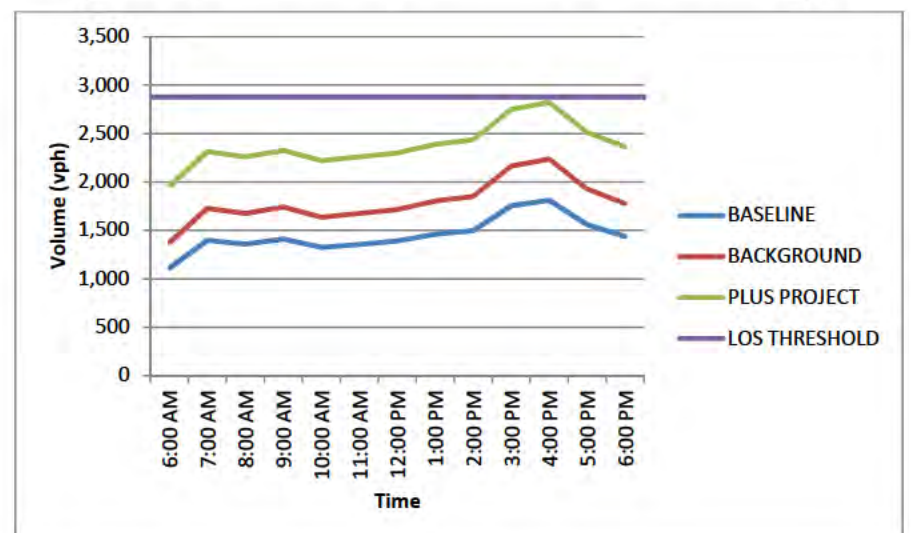
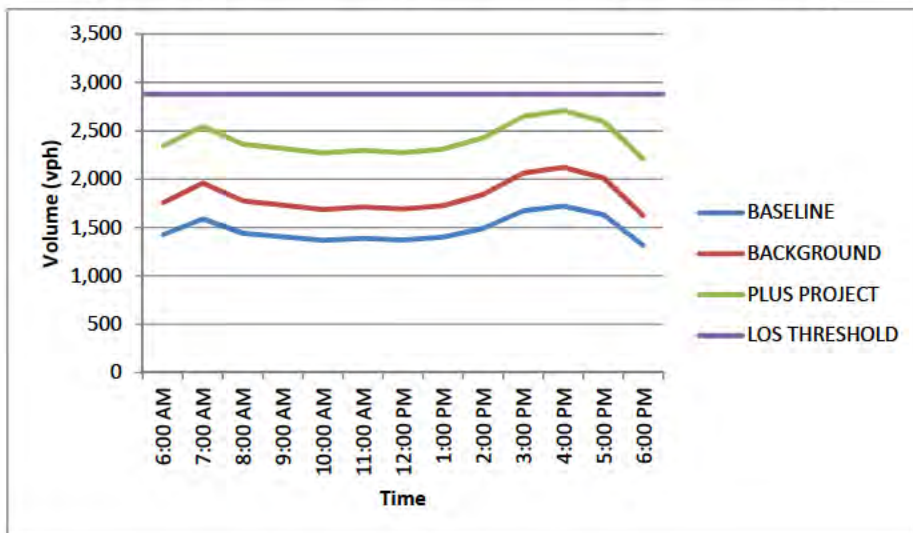
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

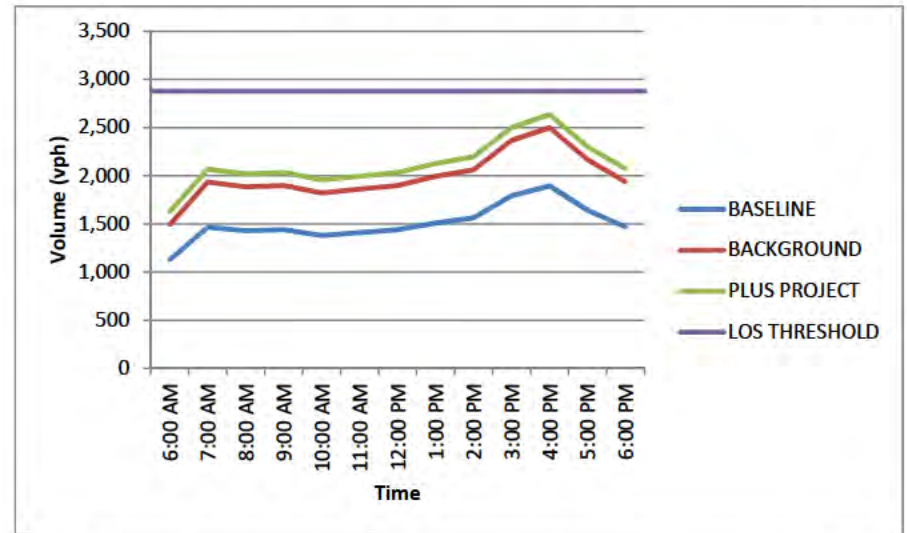
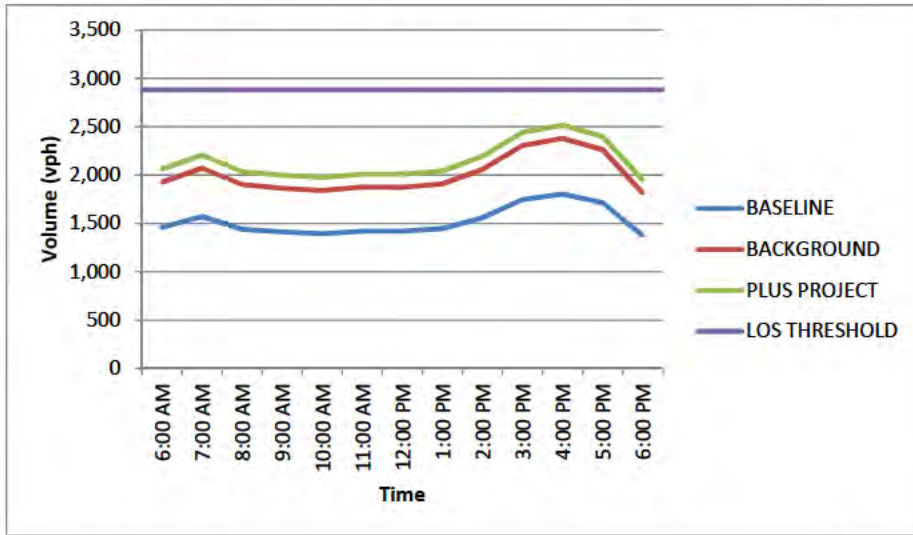
ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd



Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

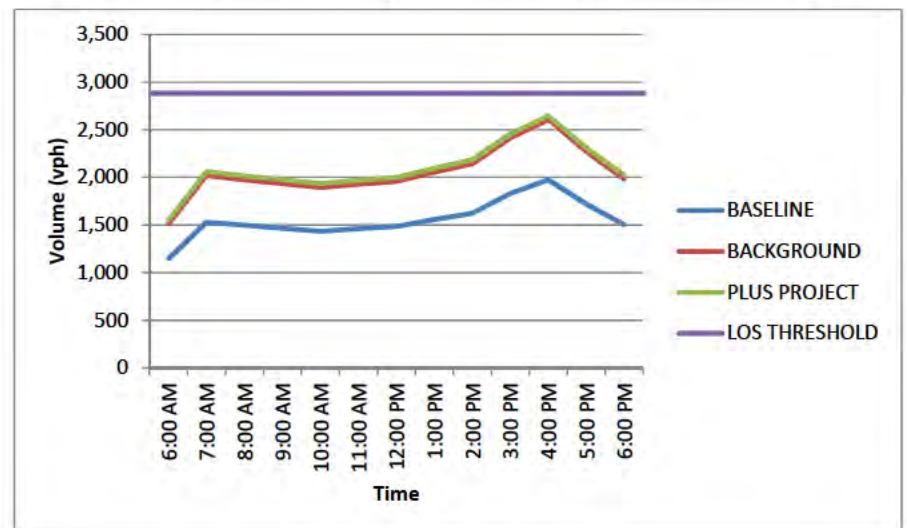
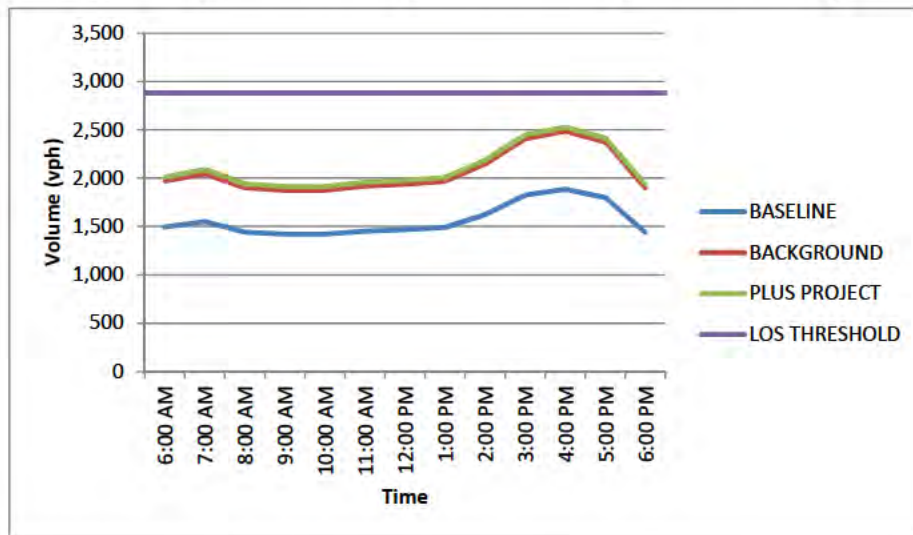
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd

ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



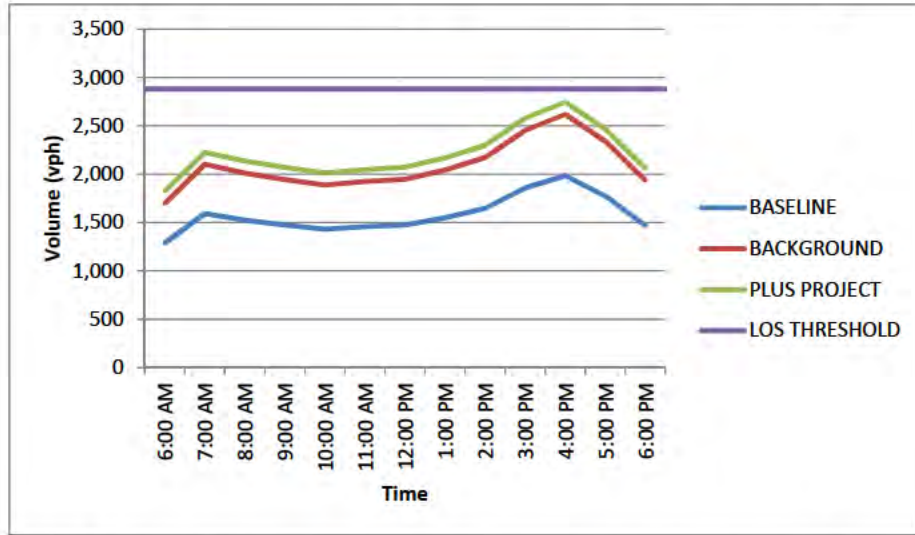
ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd

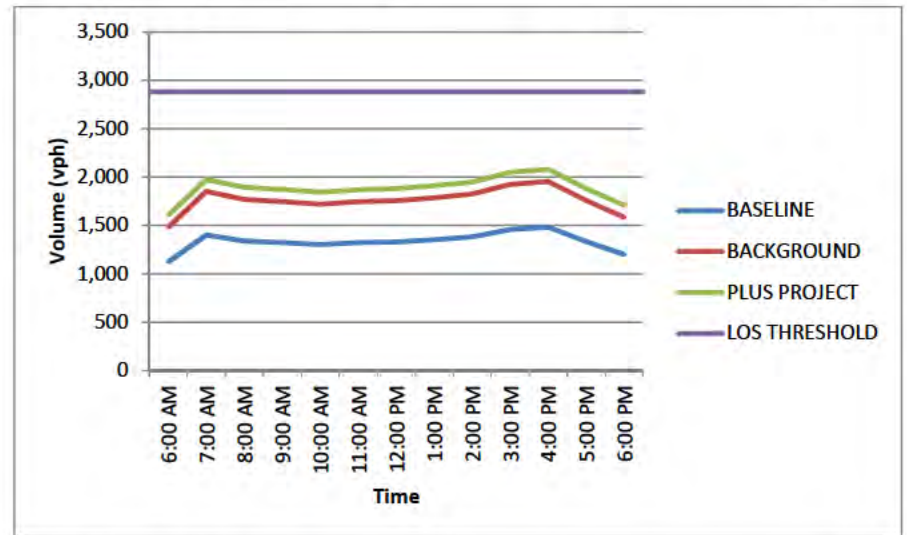


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

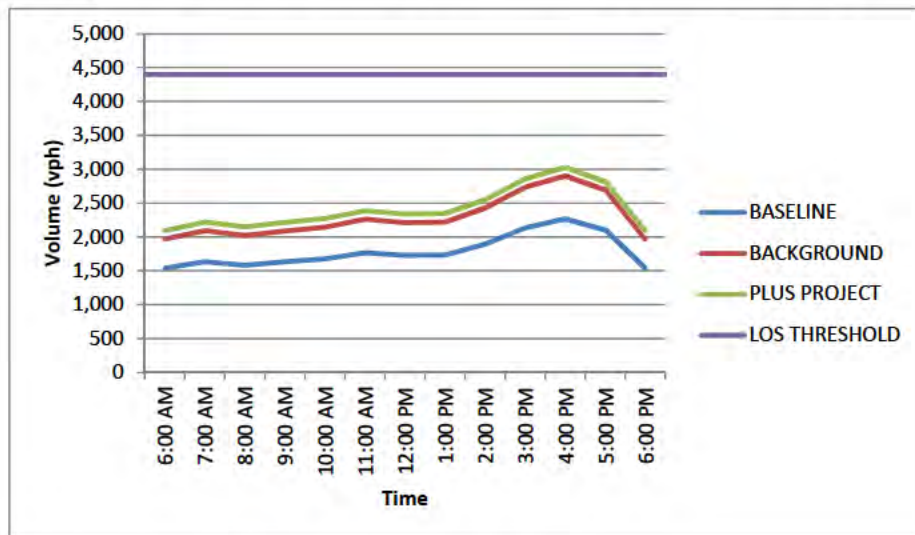
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd



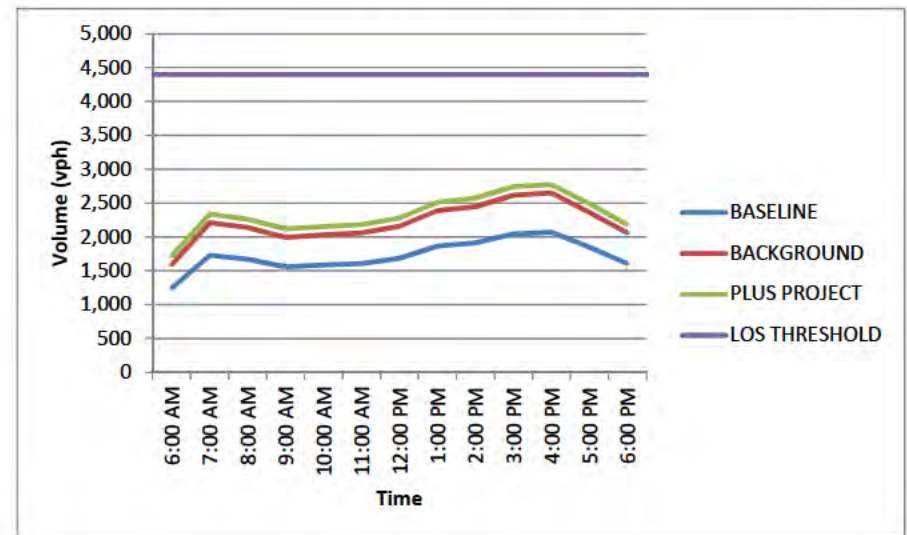
ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

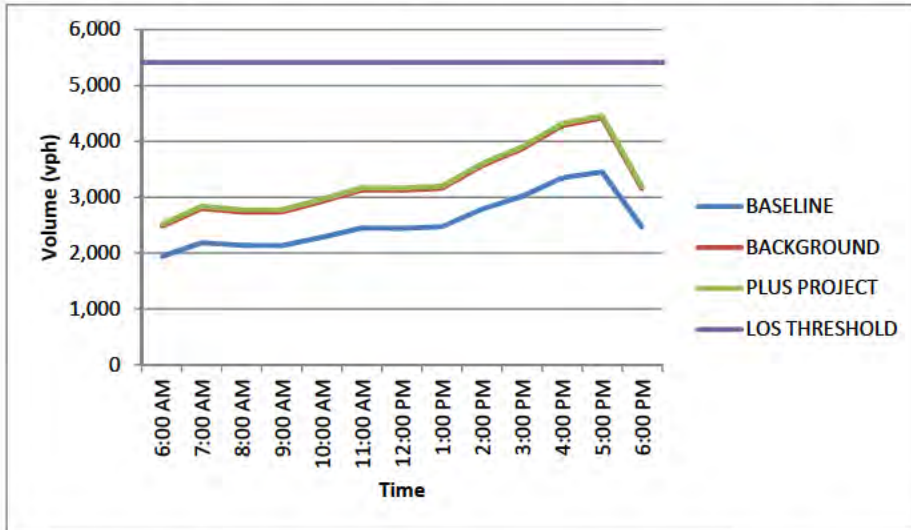


ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

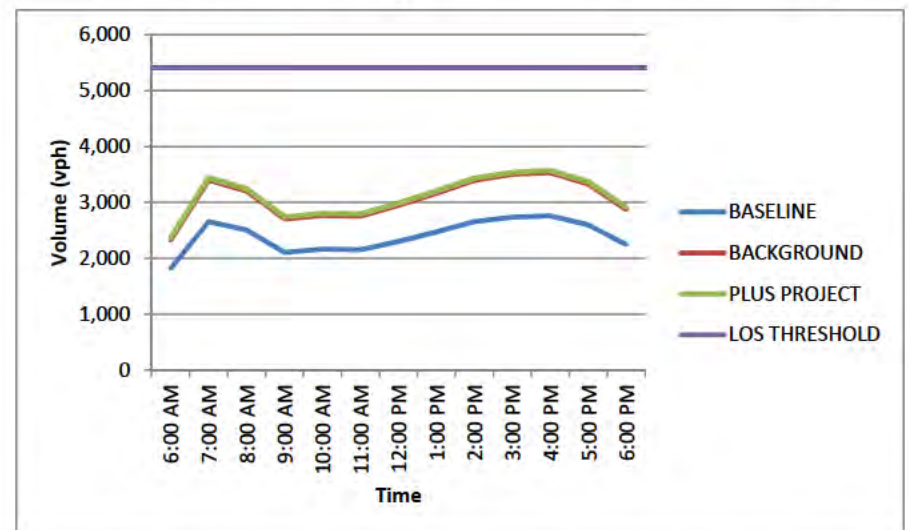


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

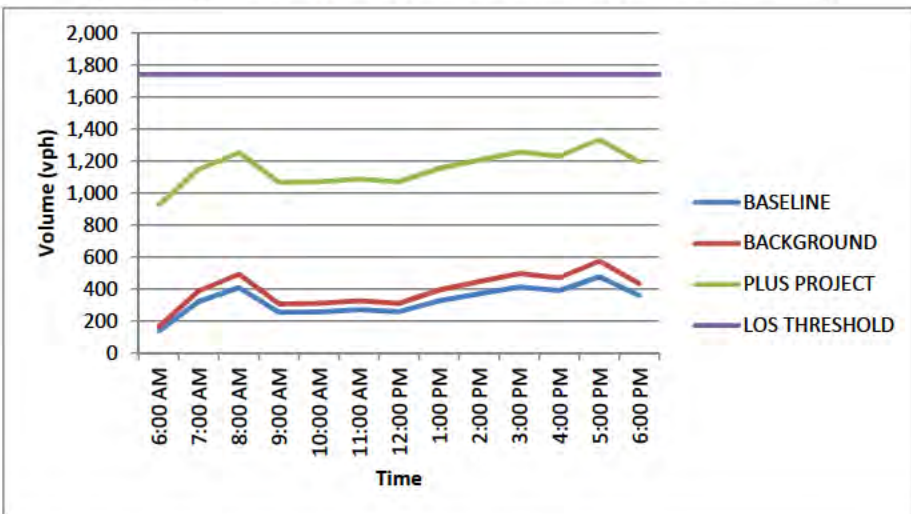
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



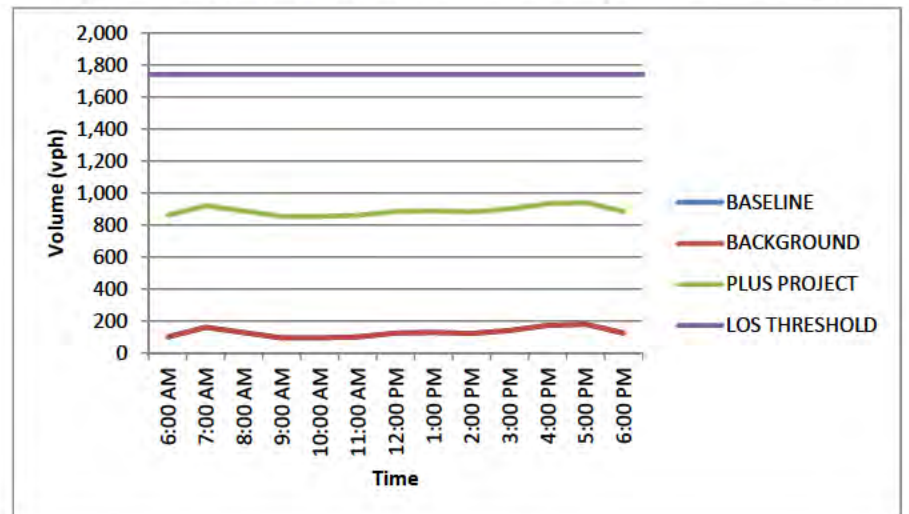
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

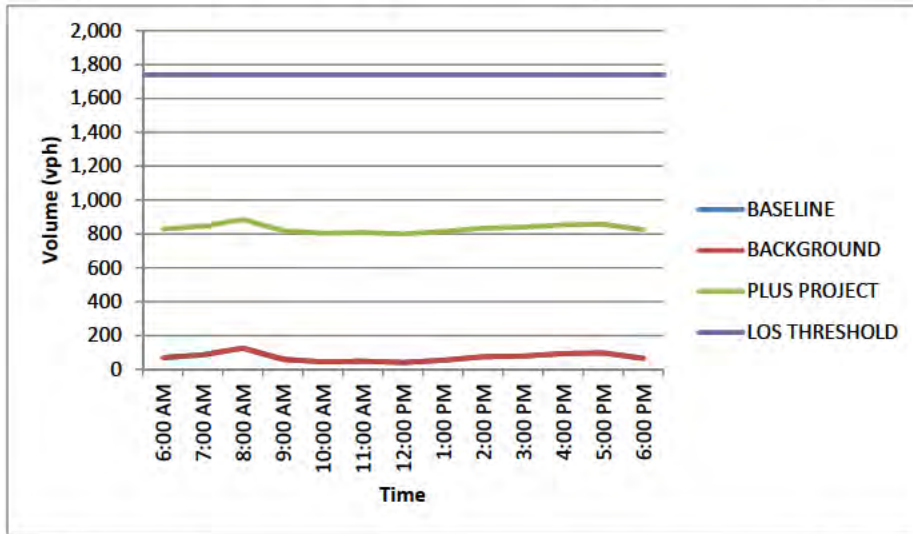


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

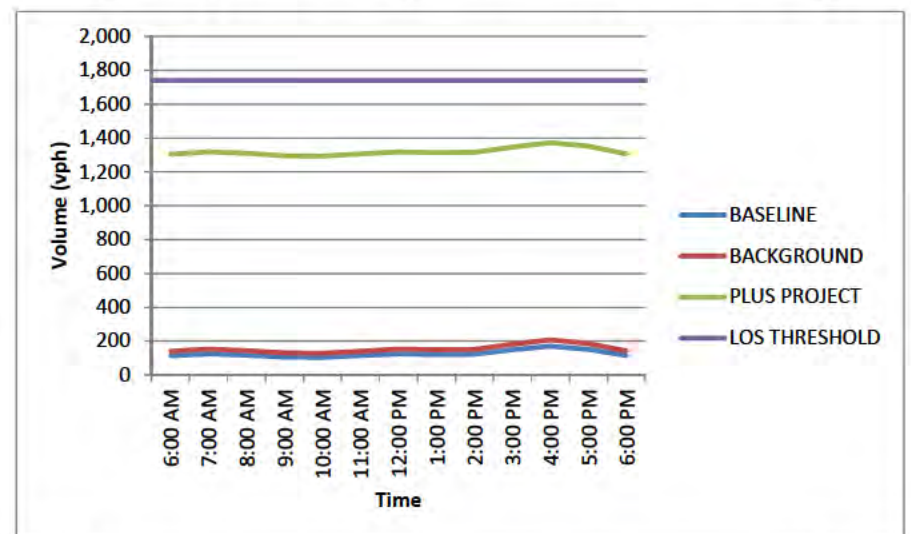


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

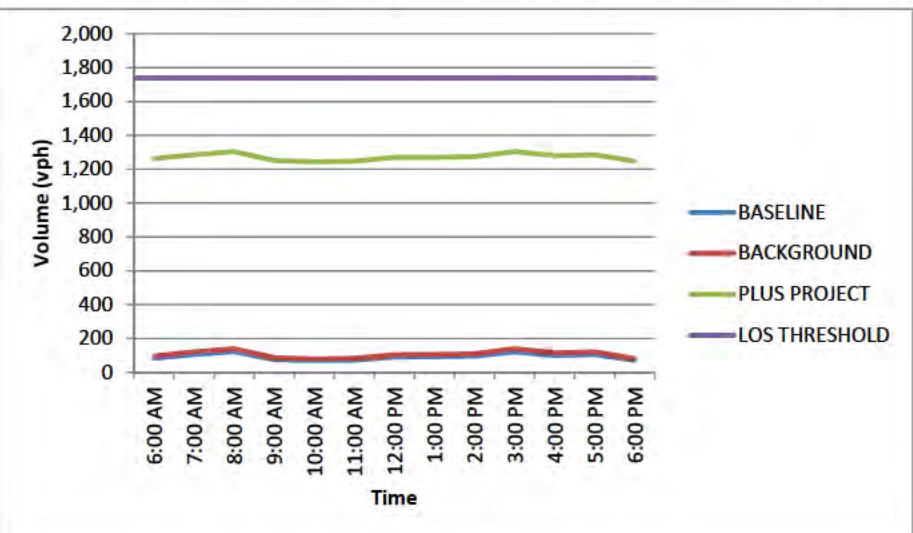
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



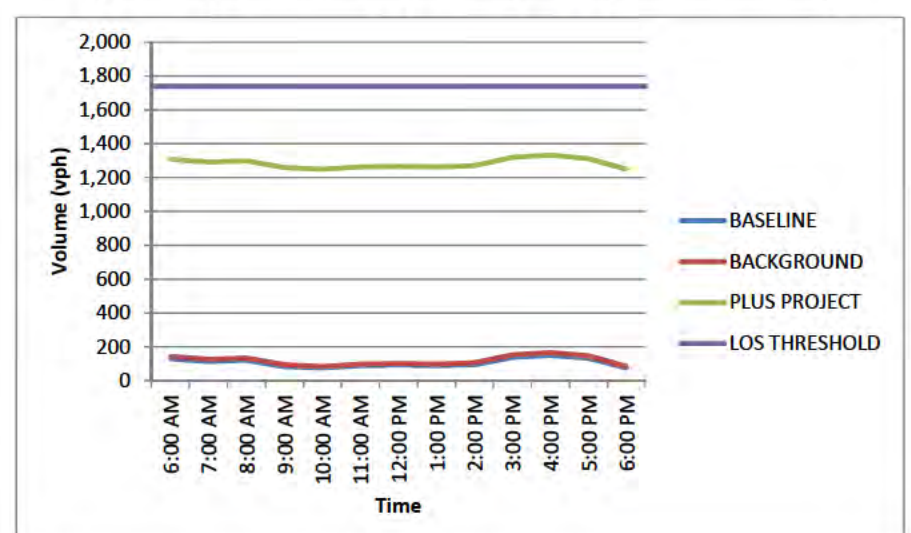
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

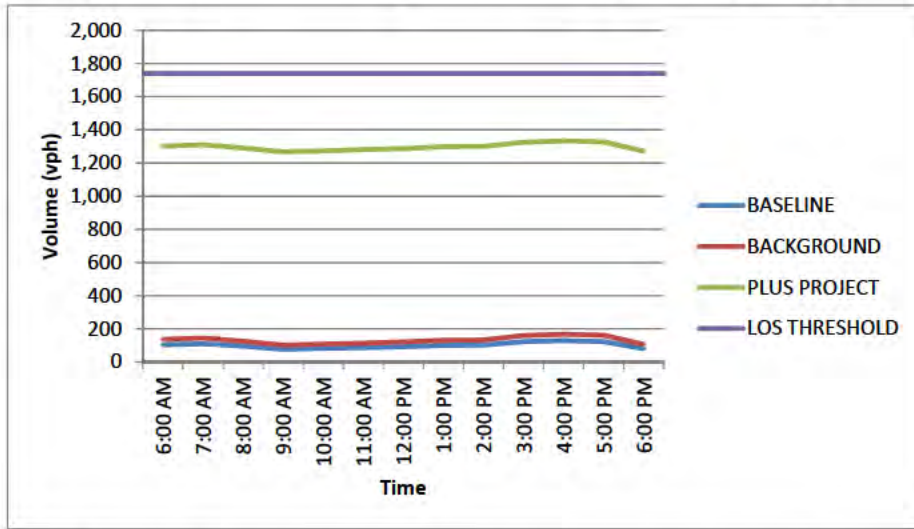


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

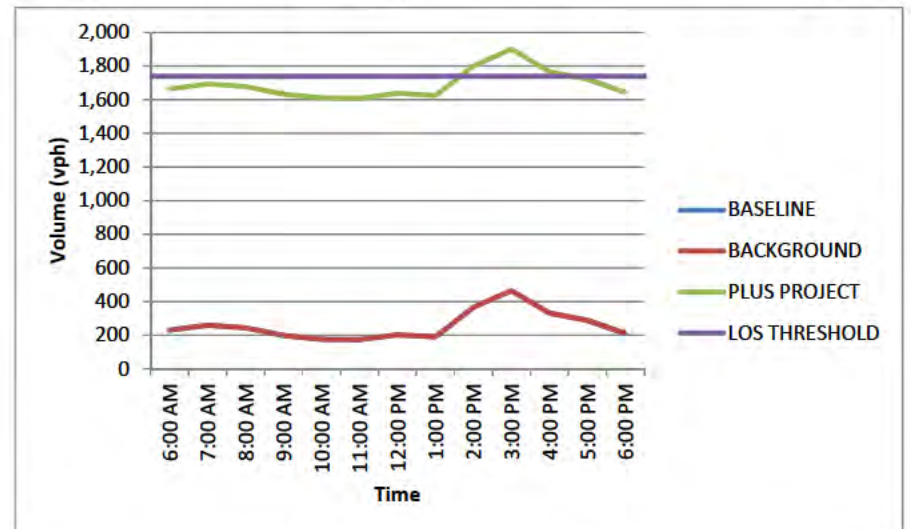


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

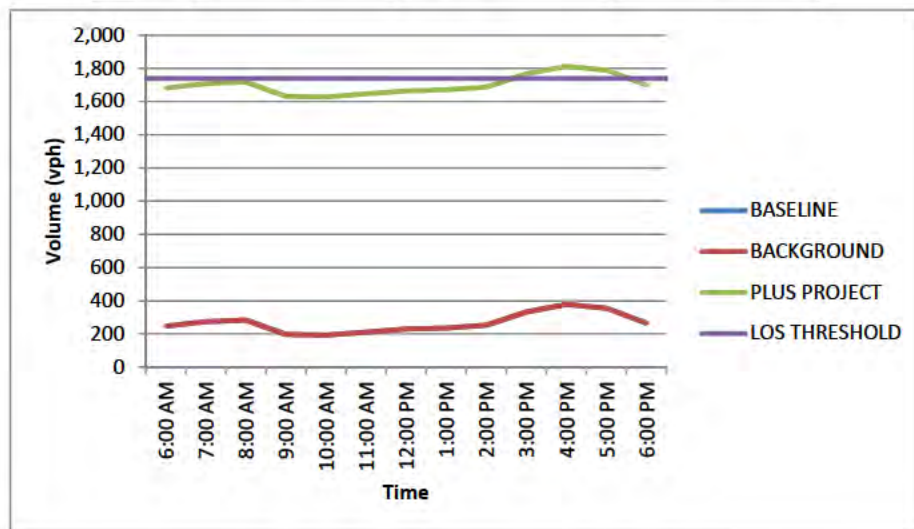
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



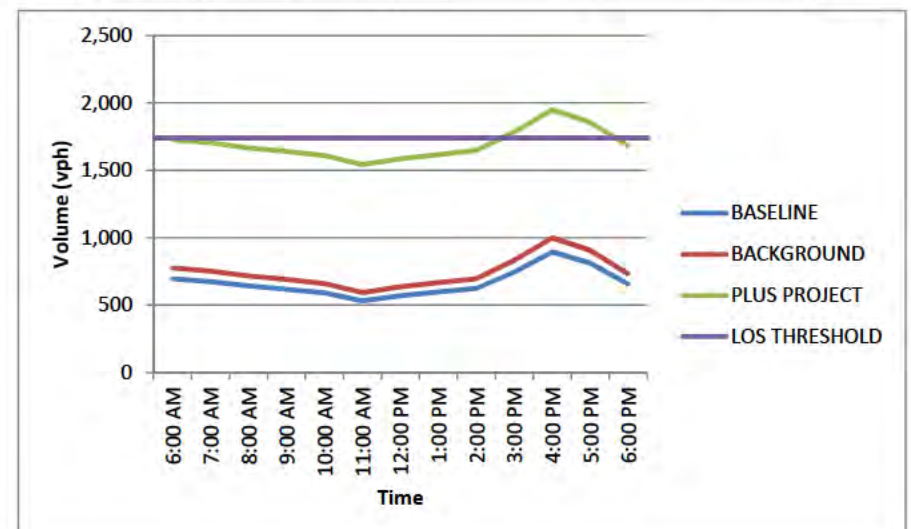
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12

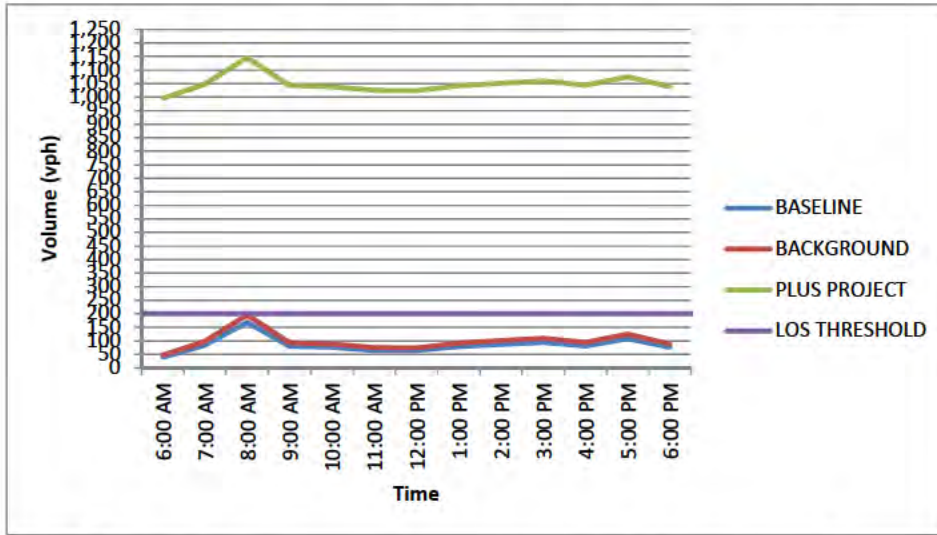


ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12

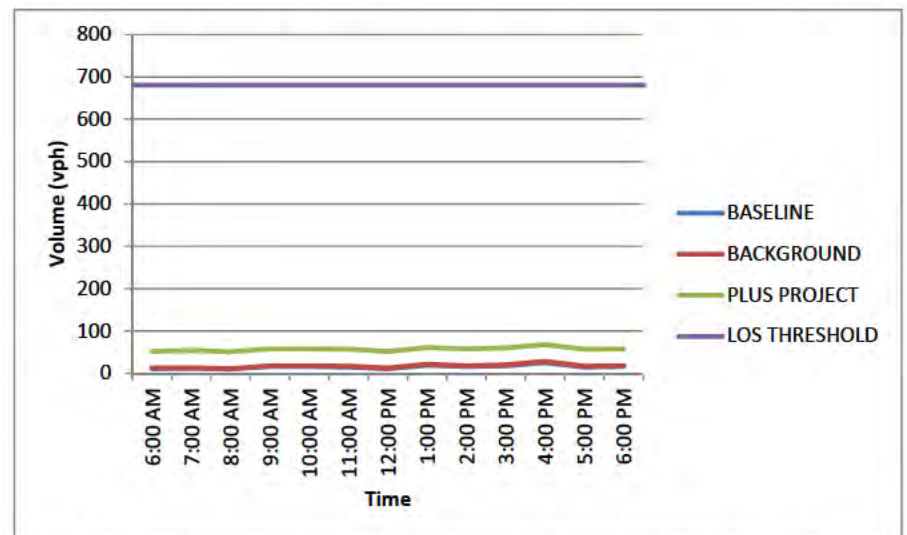


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

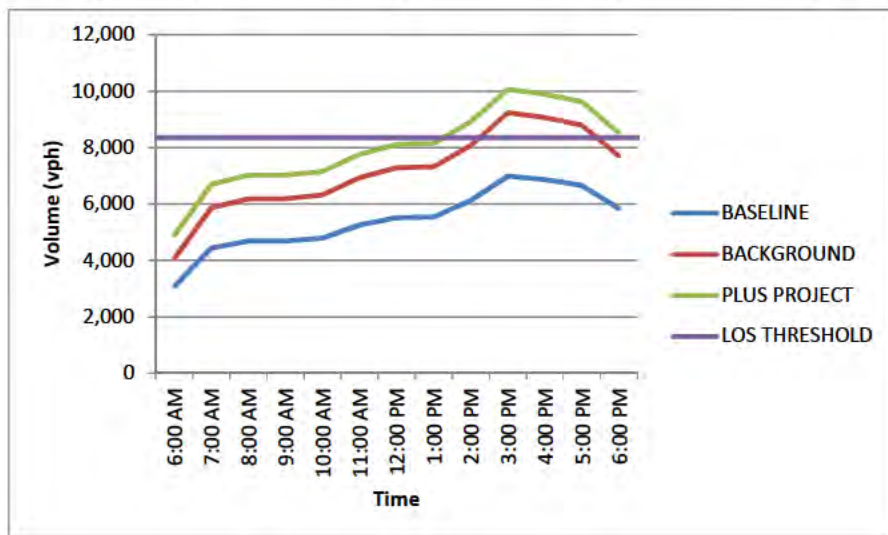
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd



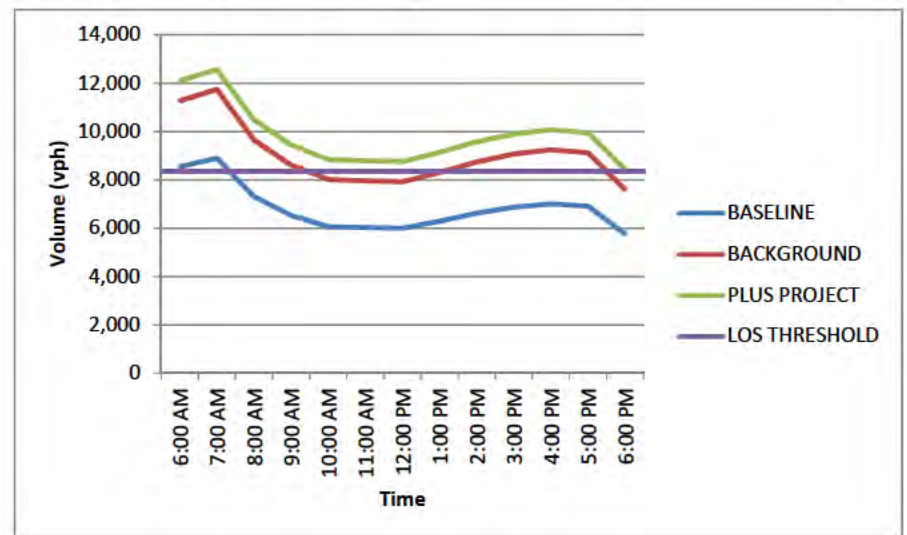
ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

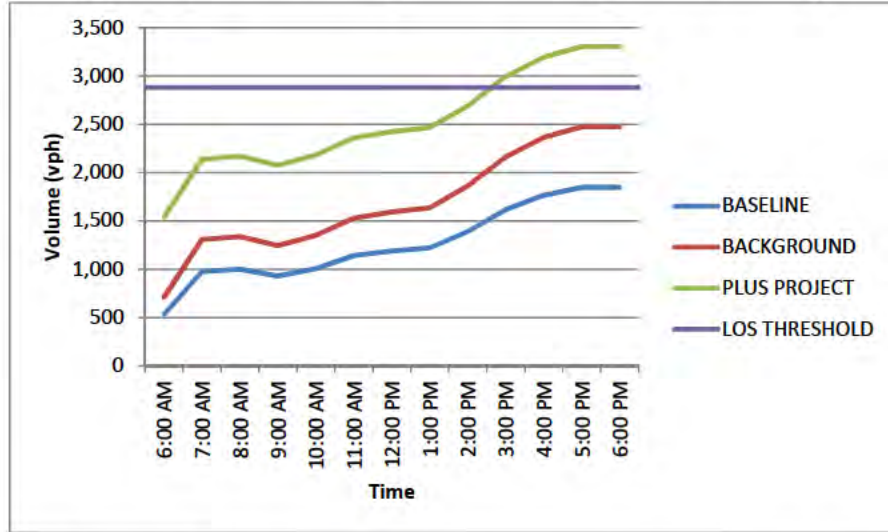


ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

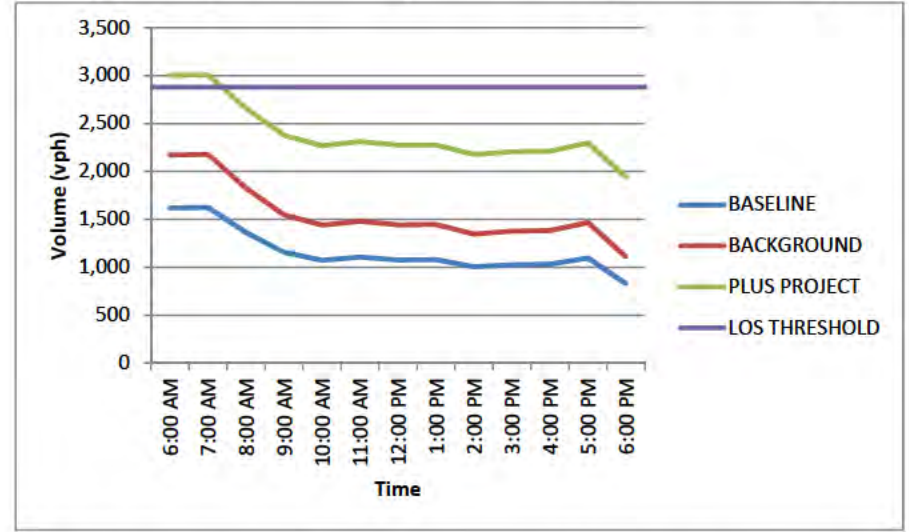


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

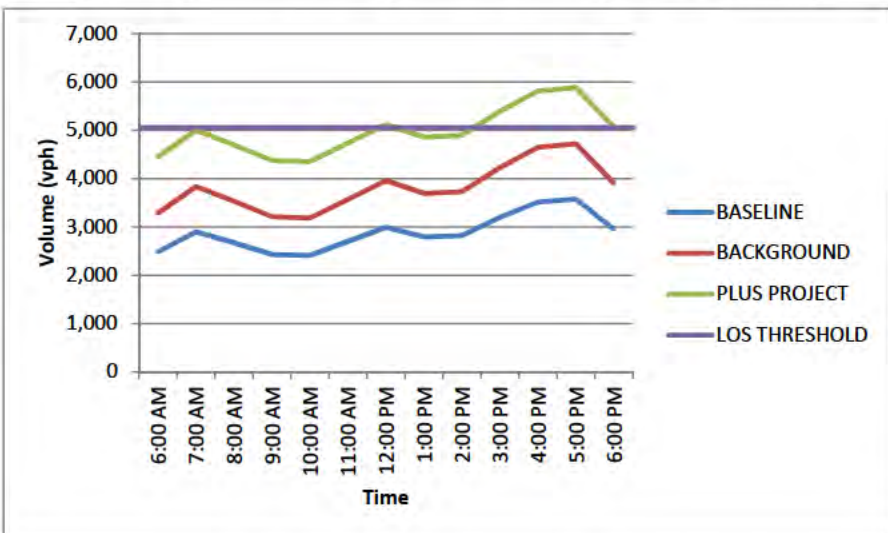
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



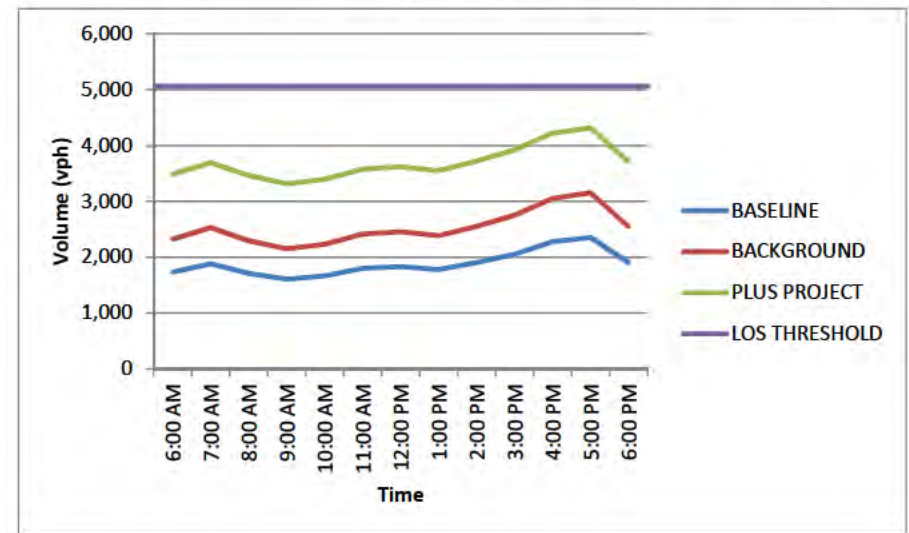
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

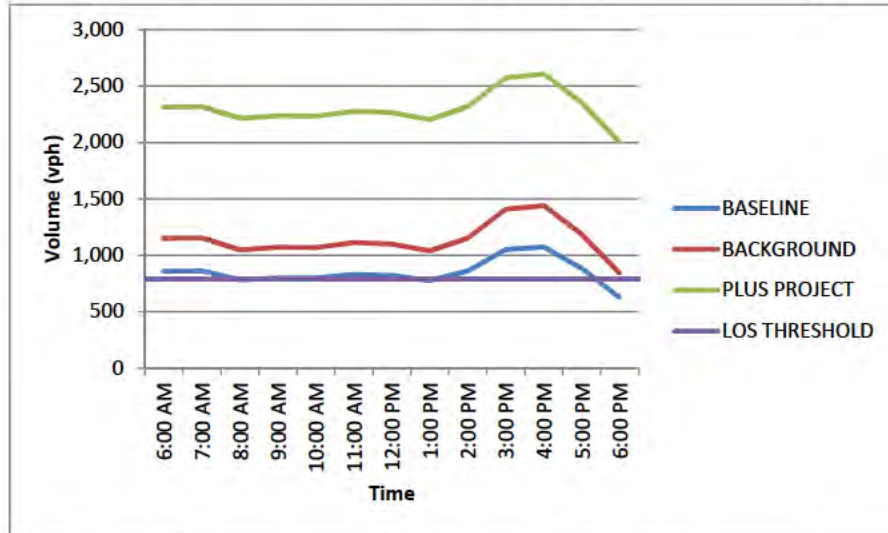


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

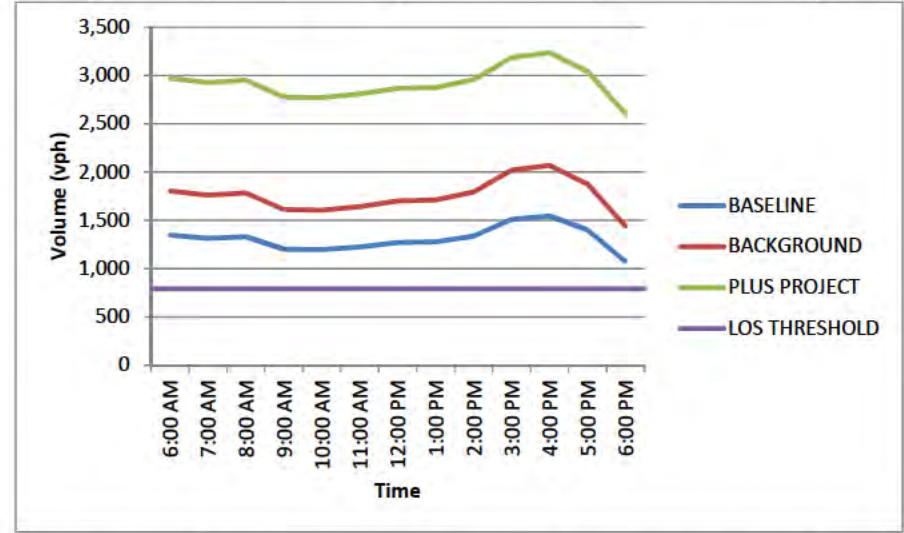


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

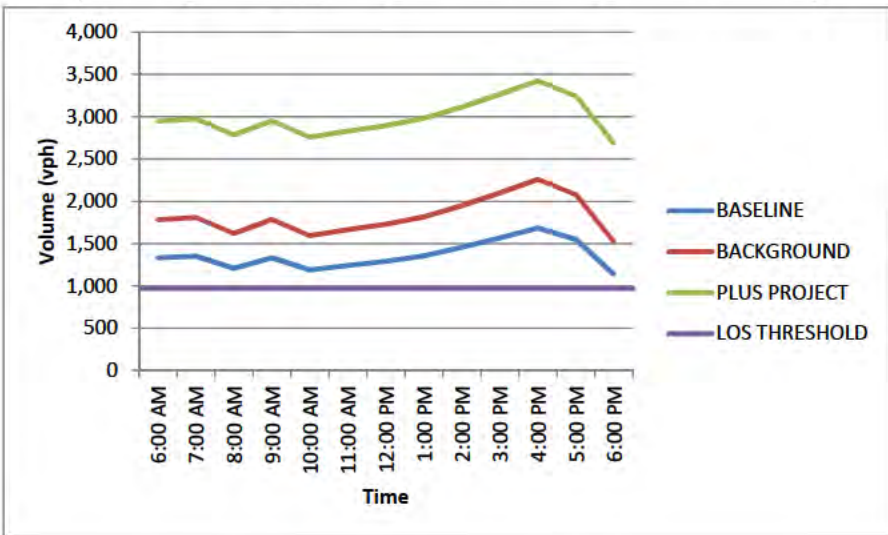
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



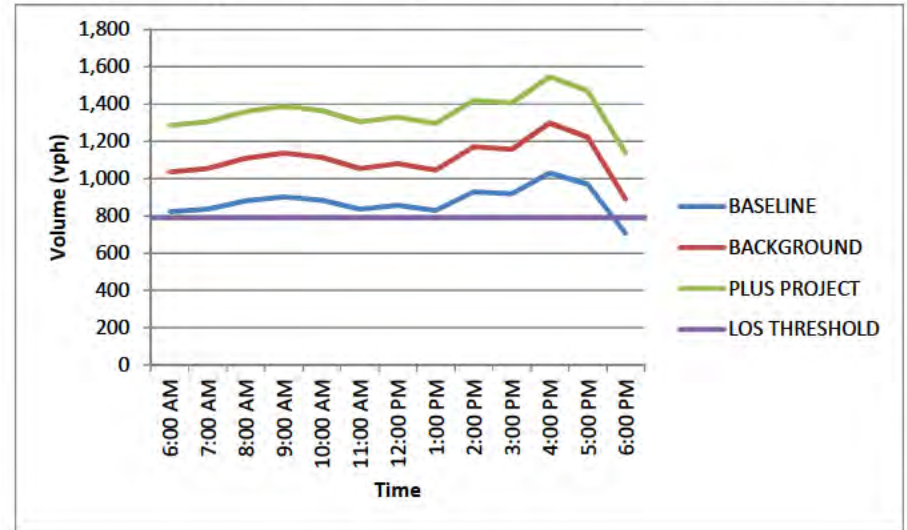
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

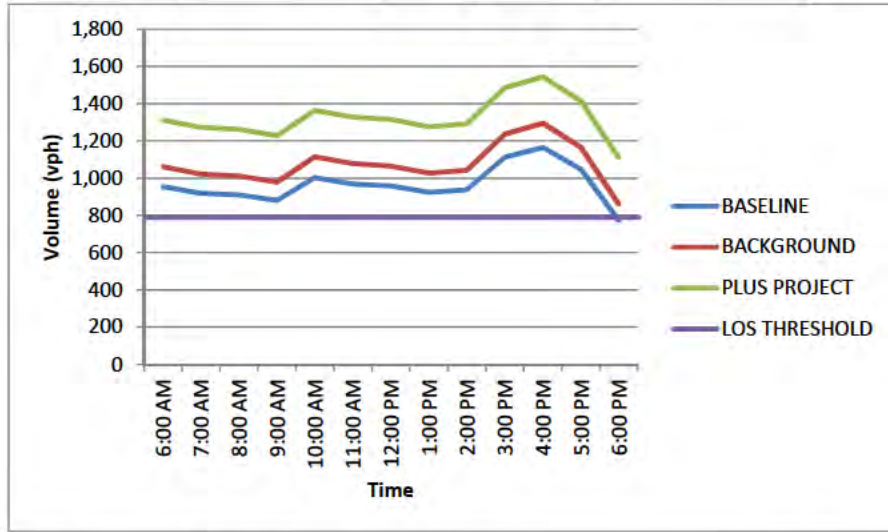


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

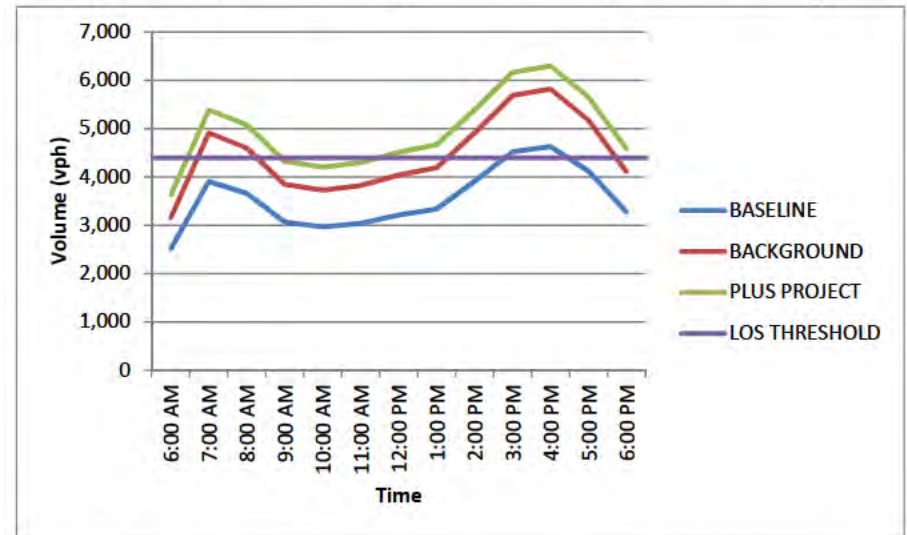


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

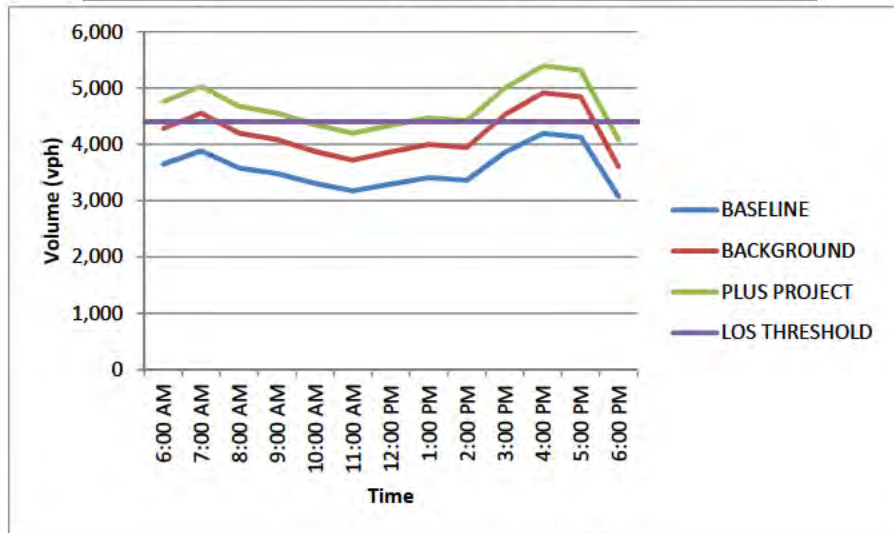
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



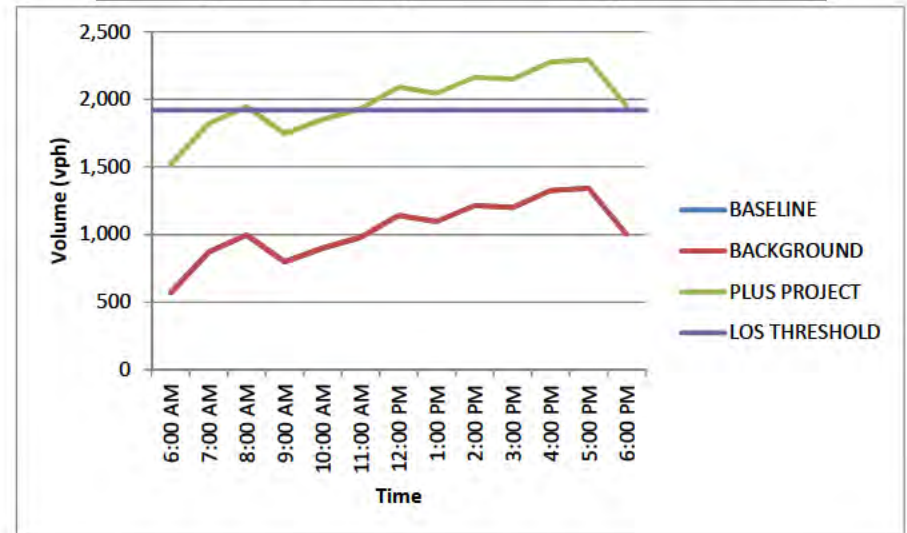
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

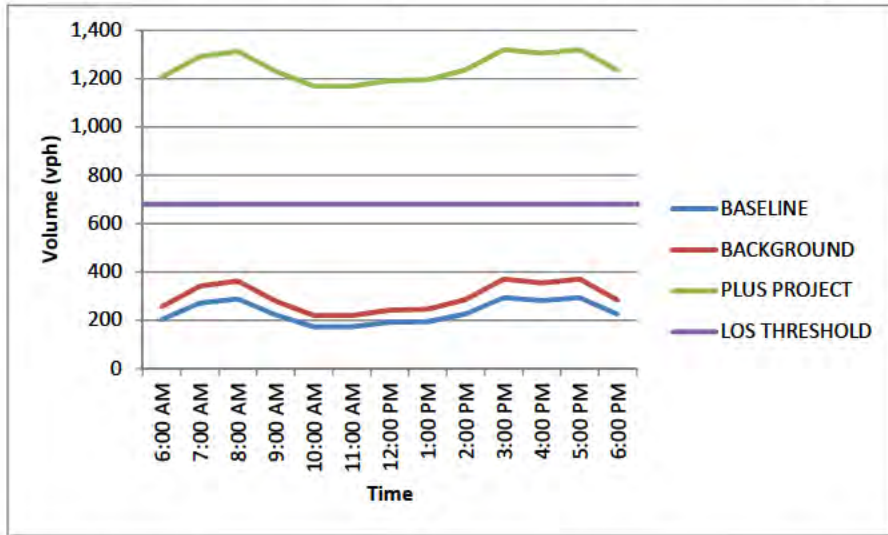


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

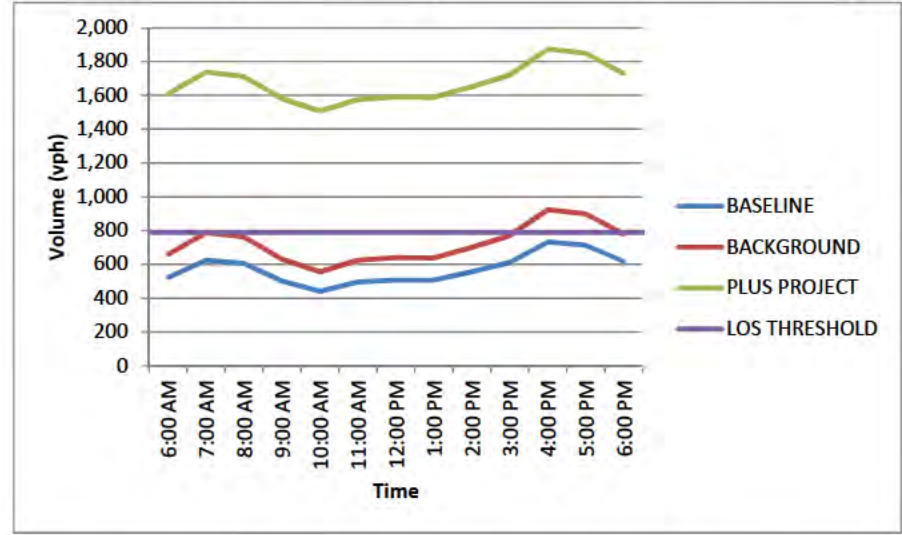


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

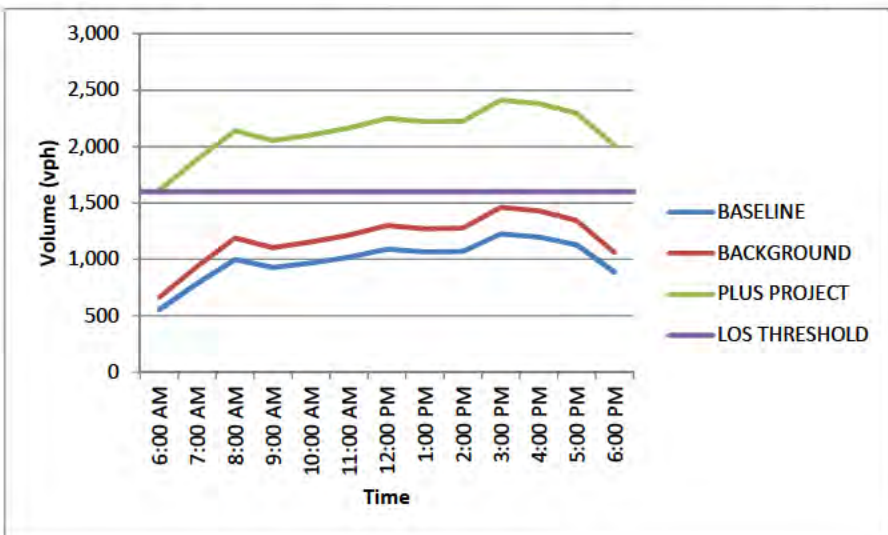
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



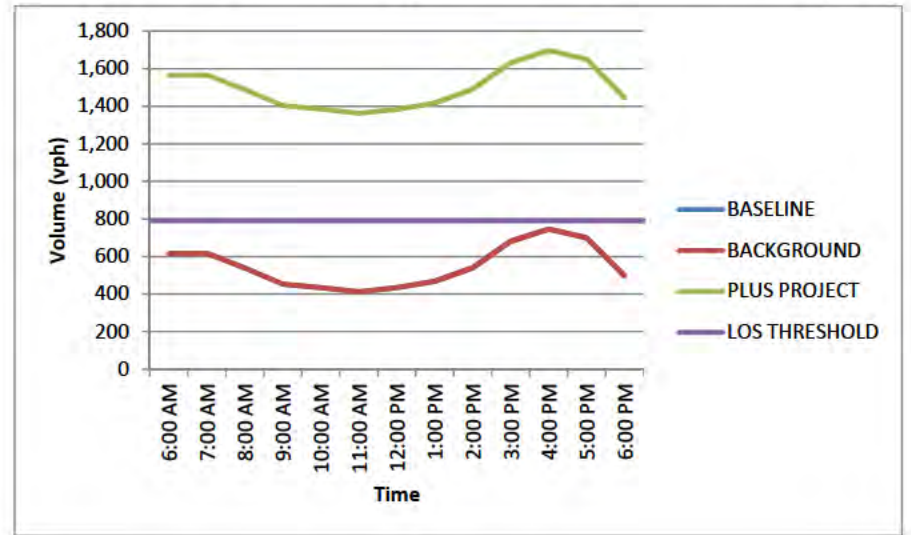
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

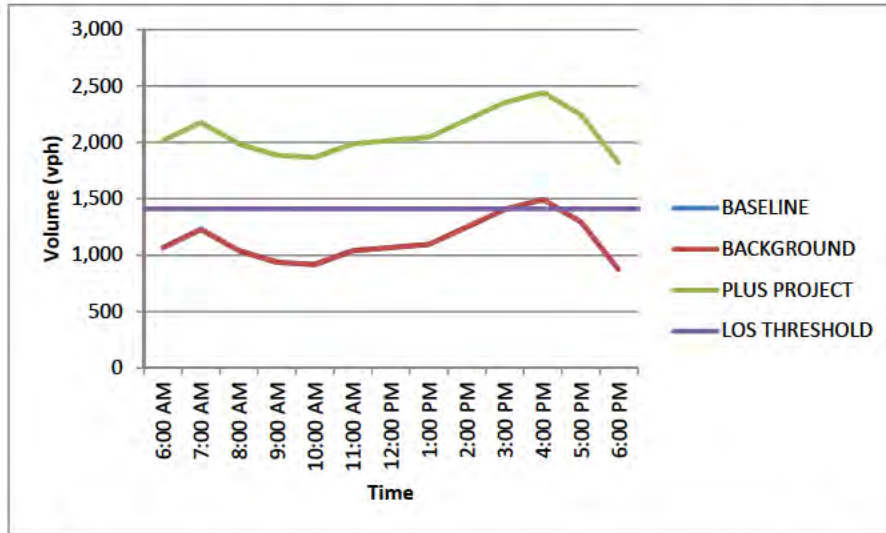


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

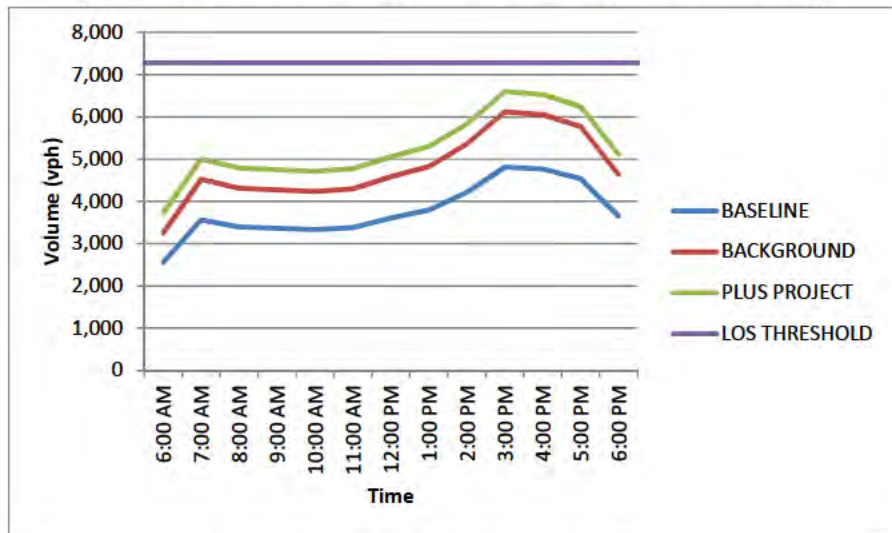


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

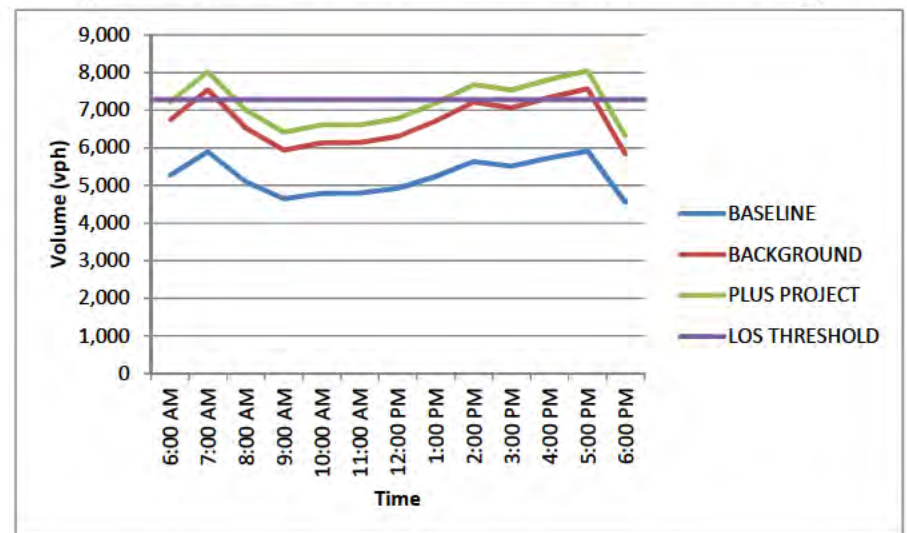
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

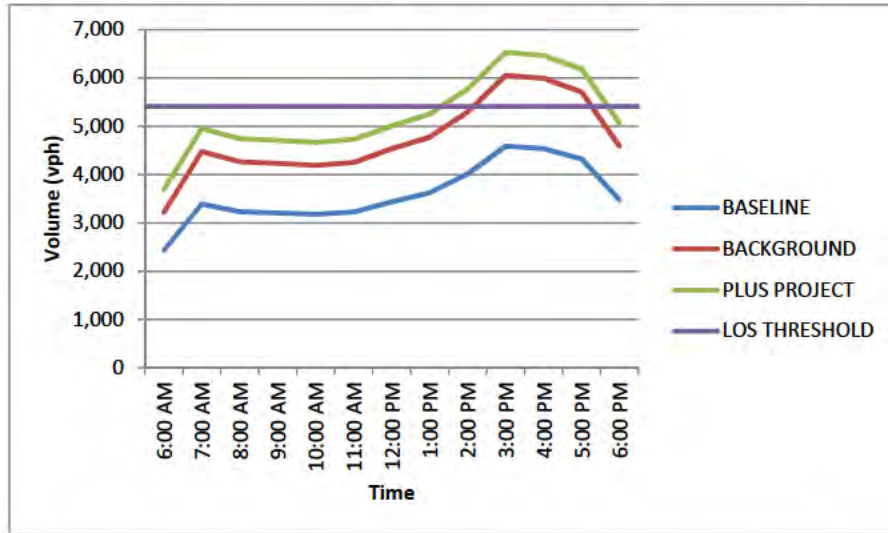


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

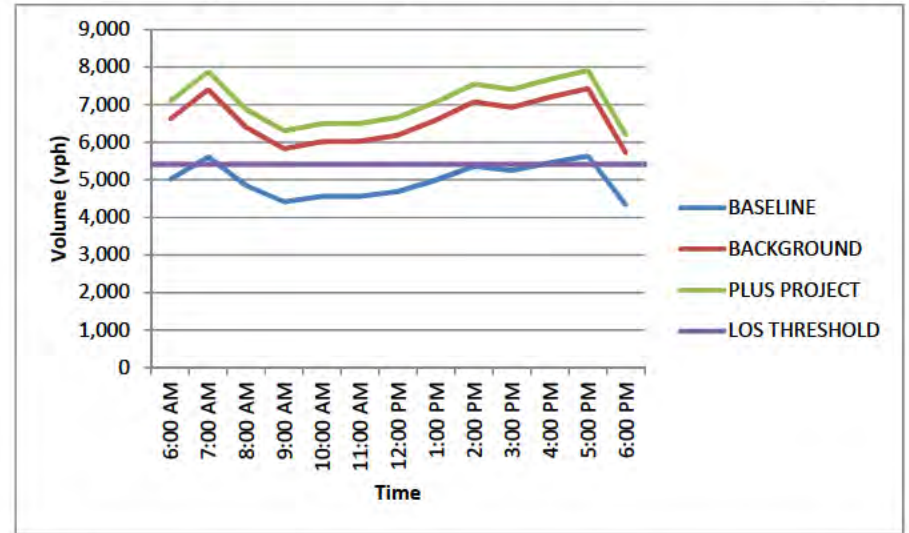


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Caltrans

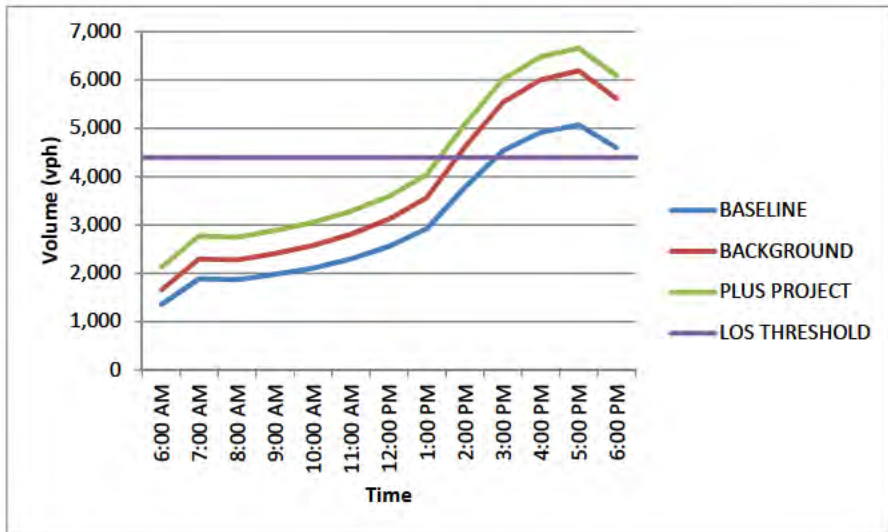
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



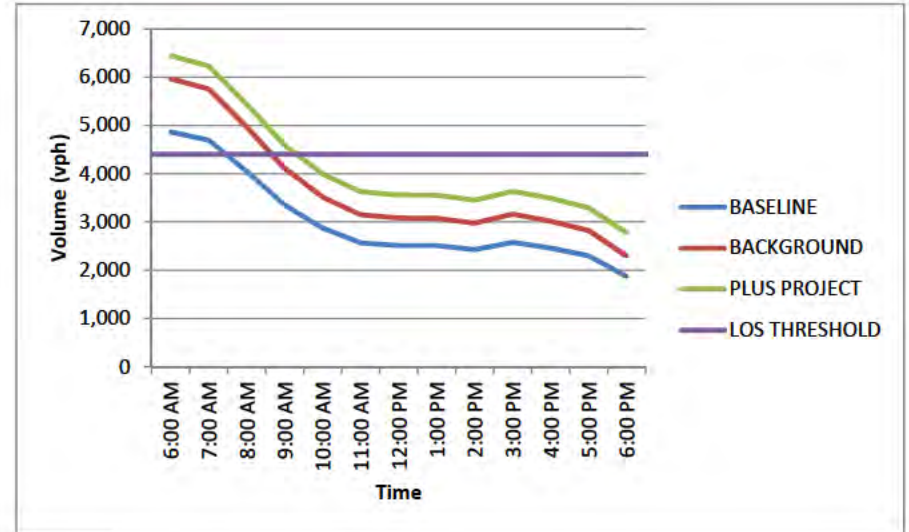
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

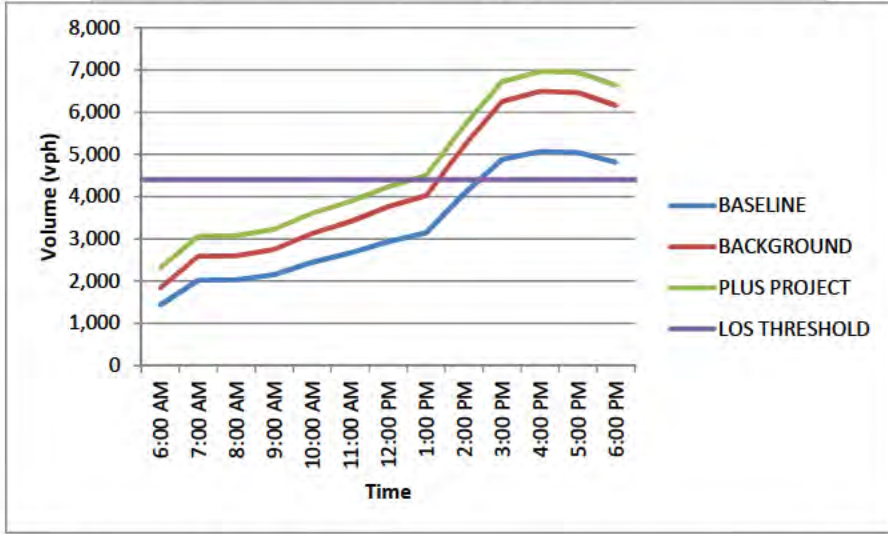


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

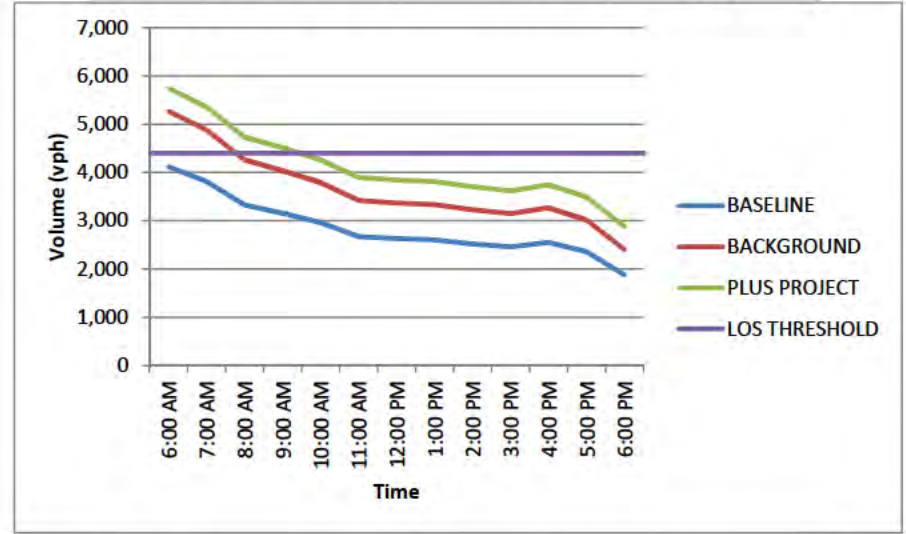


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

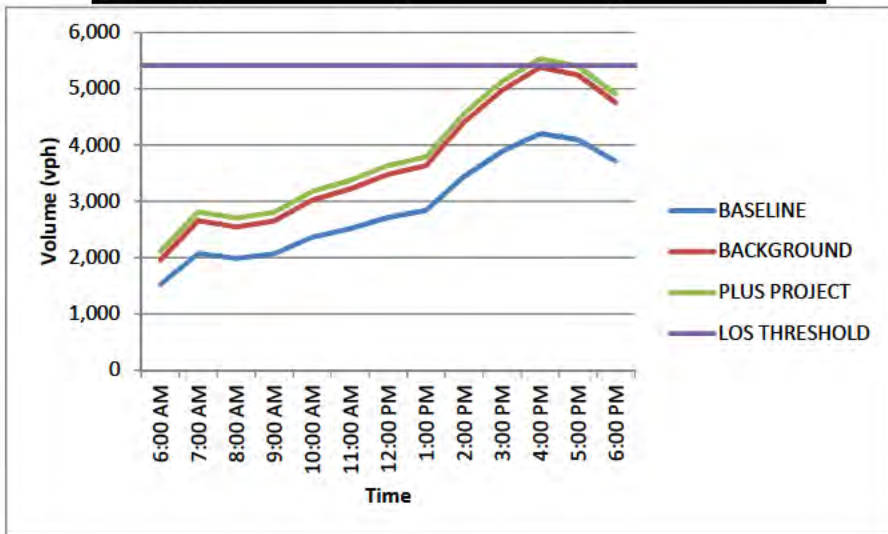
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



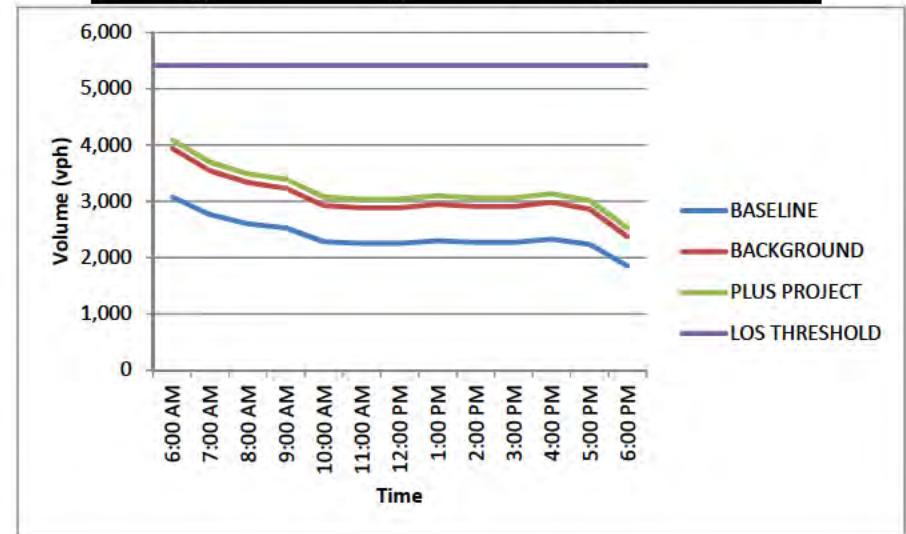
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



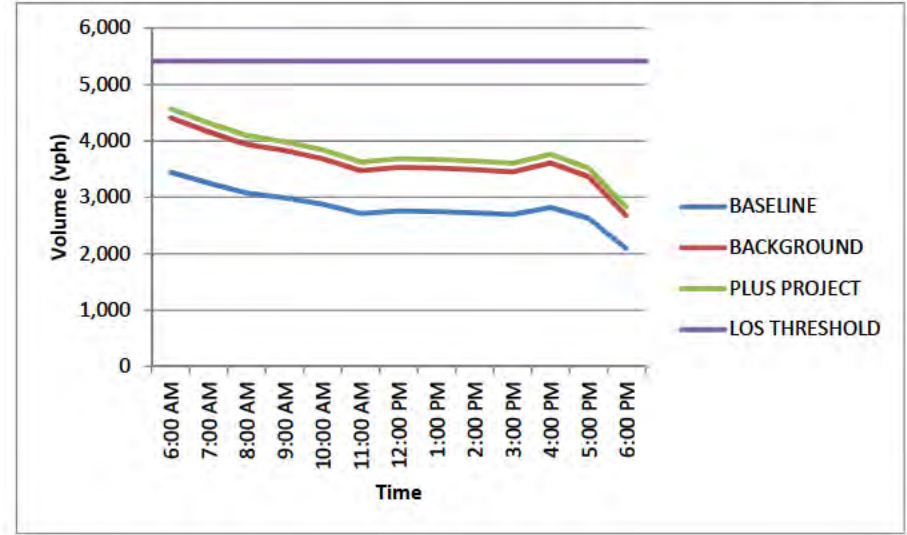
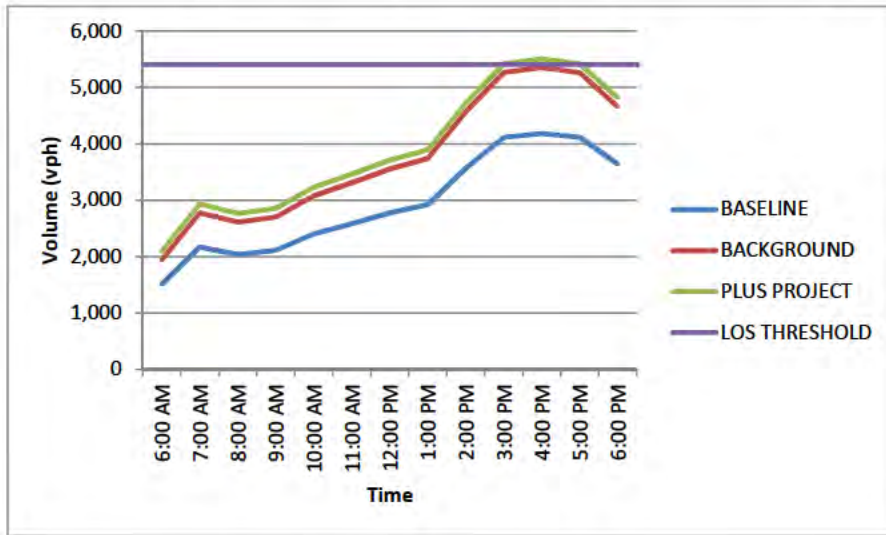
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

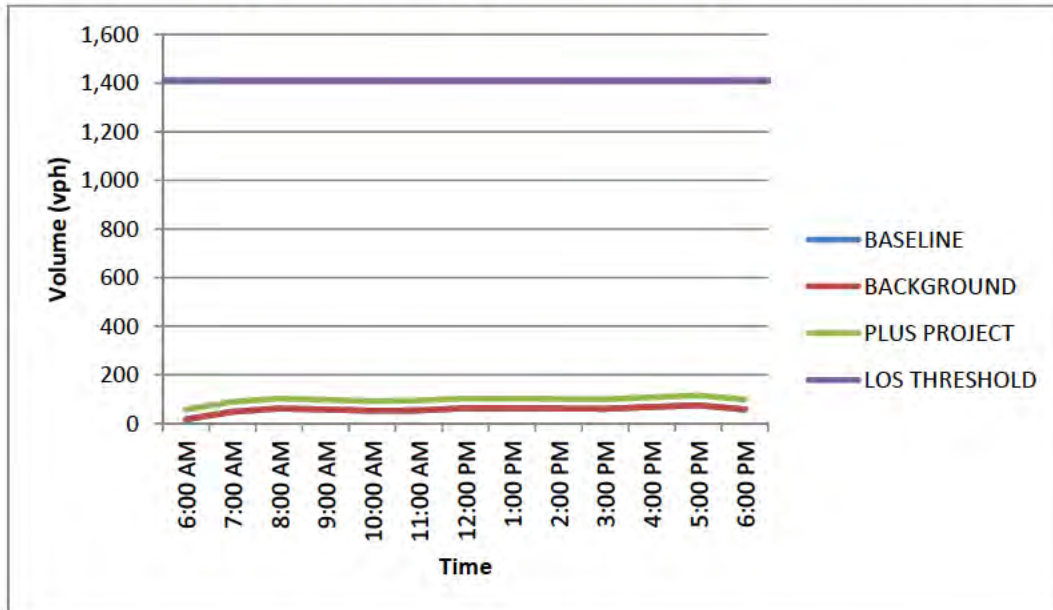
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Isleton

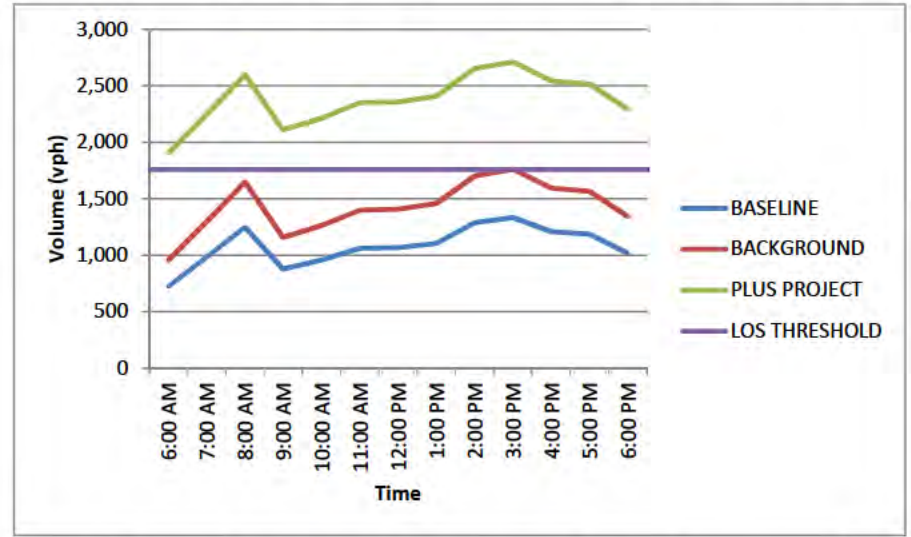
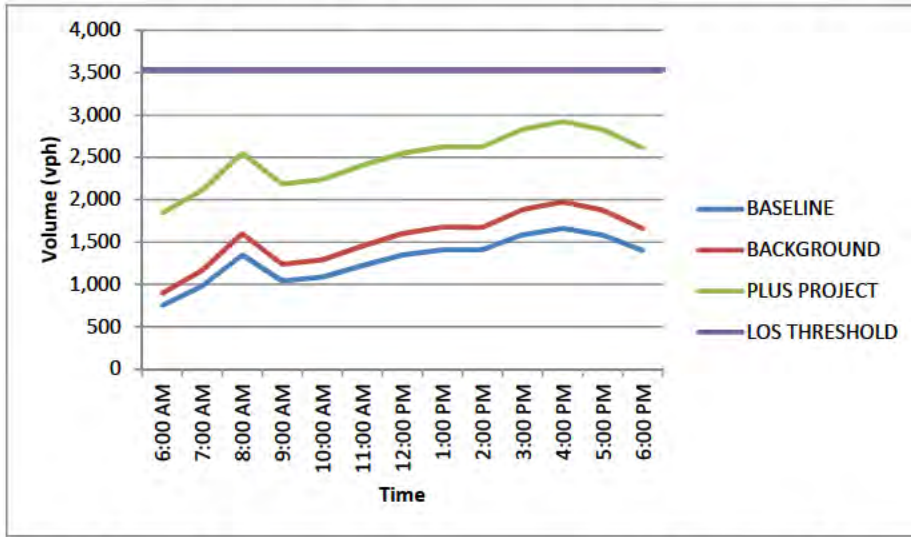
ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits



Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Oakley

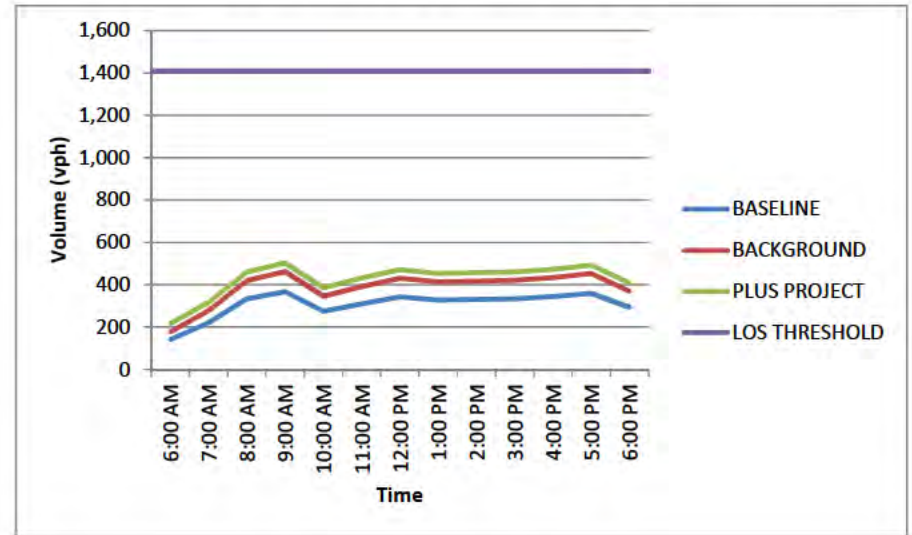
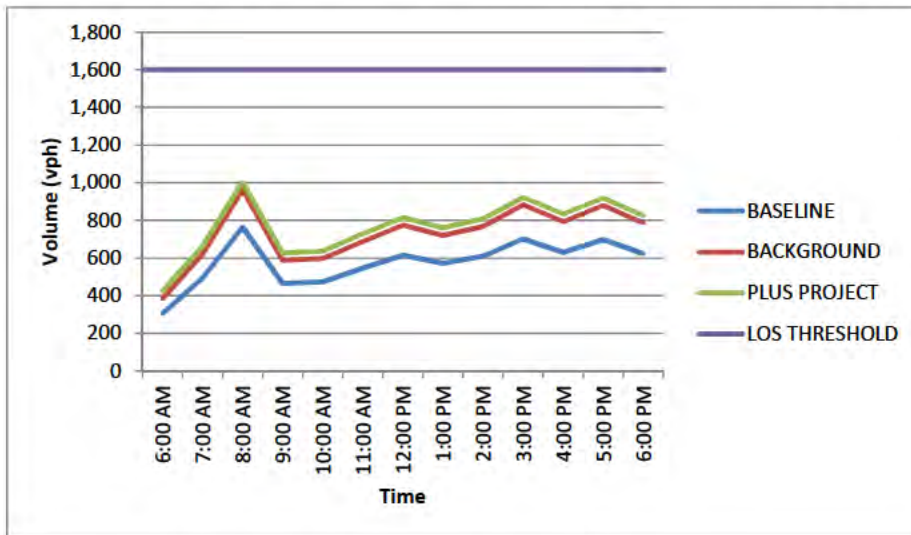
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd

ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



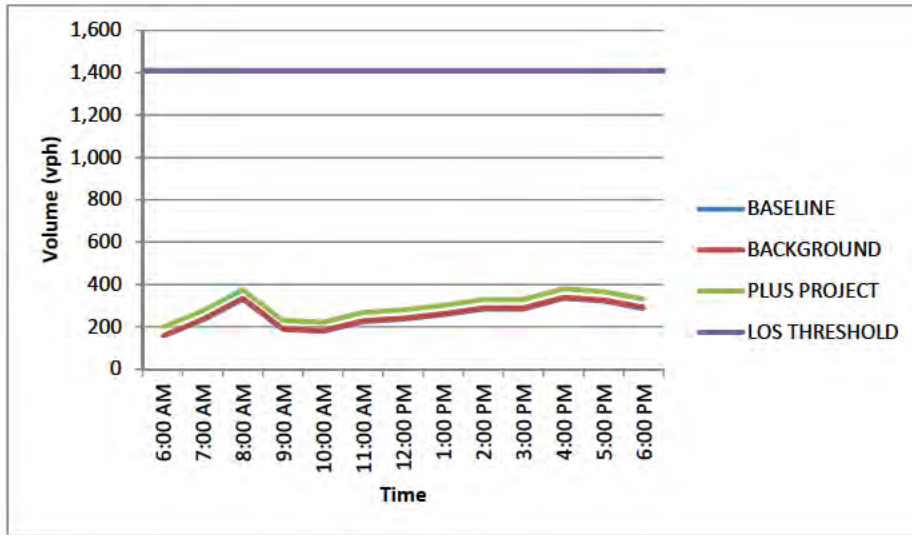
ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Oakley

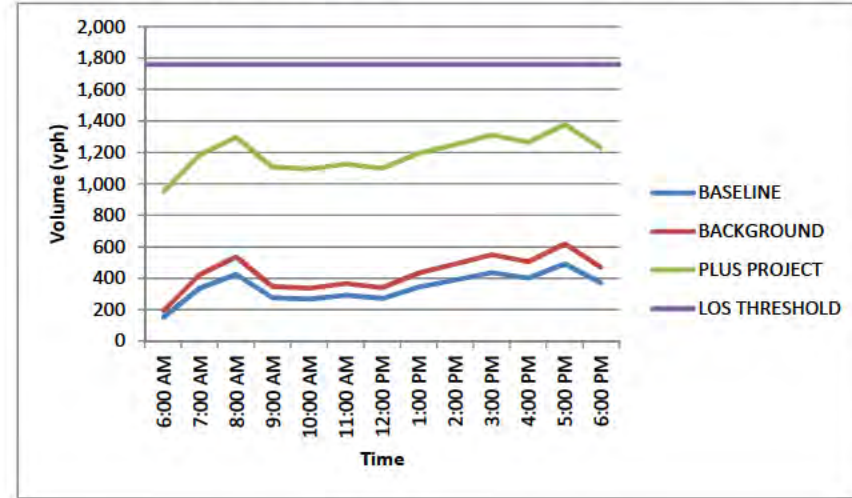
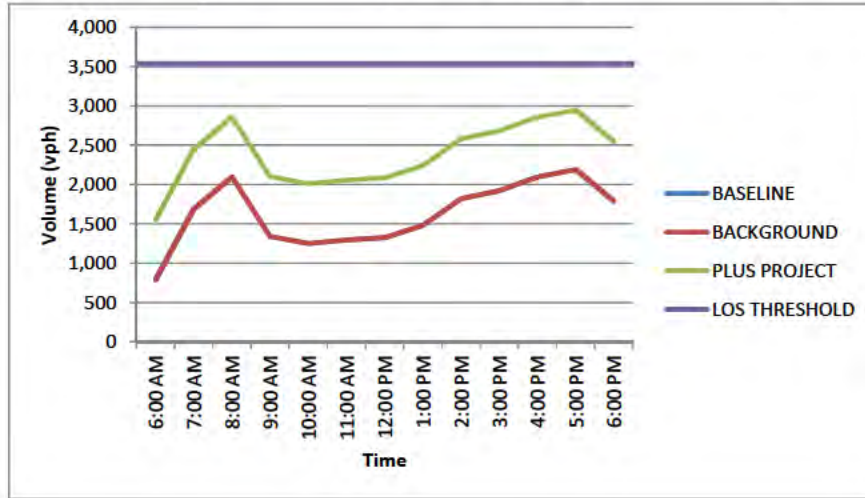
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - City of Sacramento

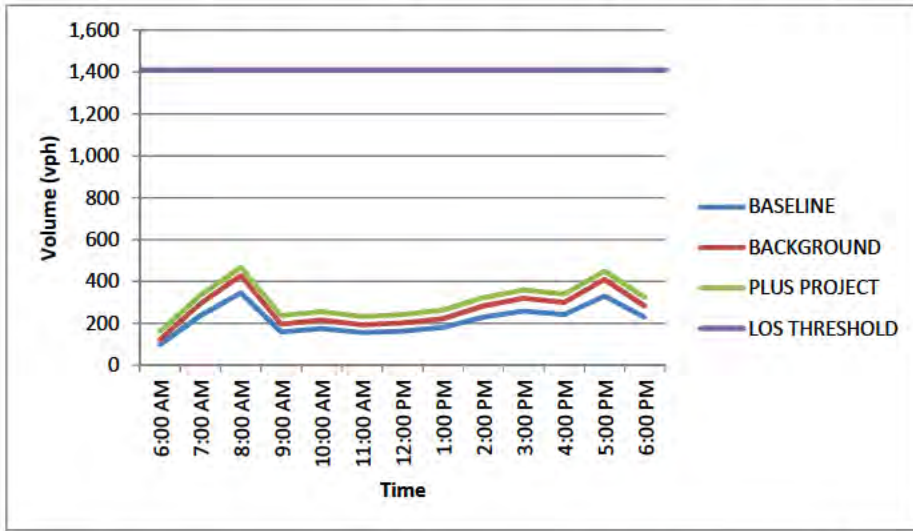
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

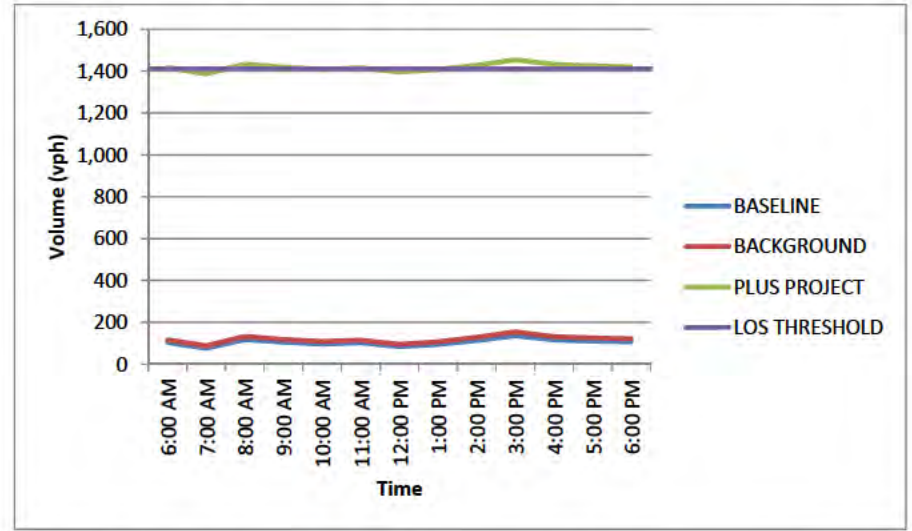


Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Sacramento County

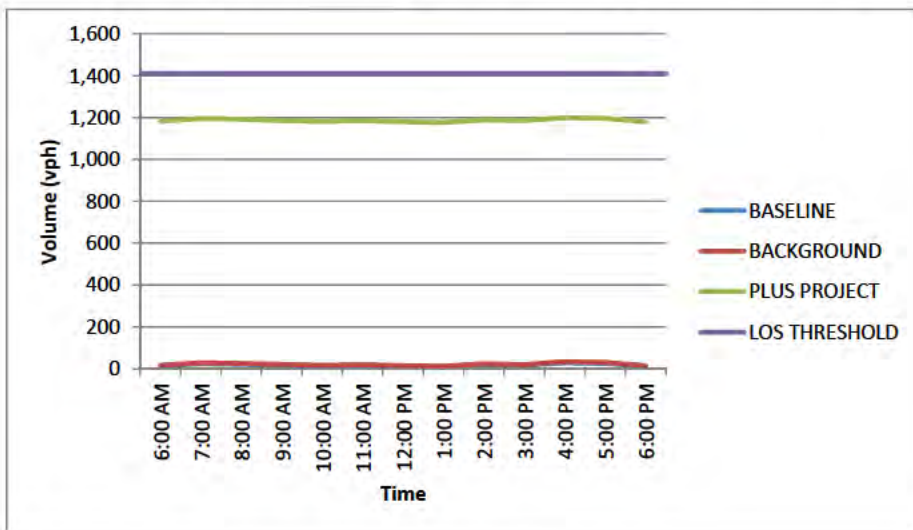
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



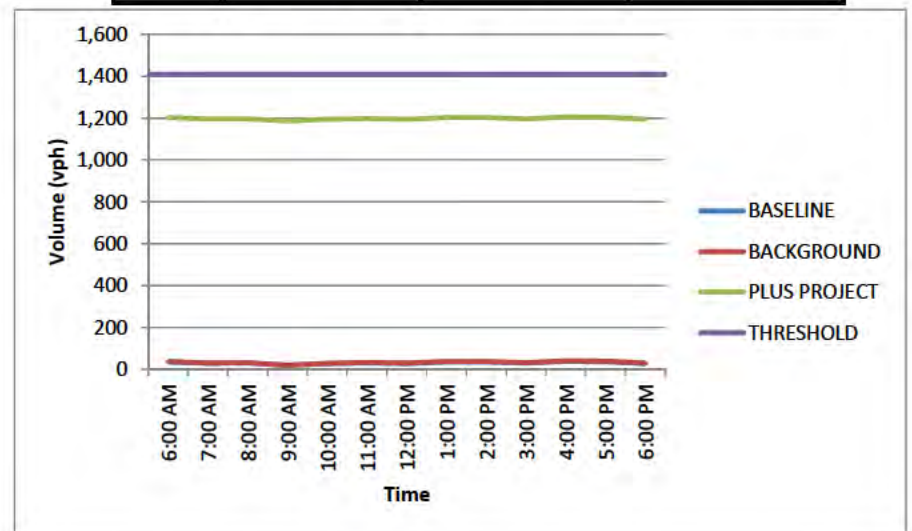
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd



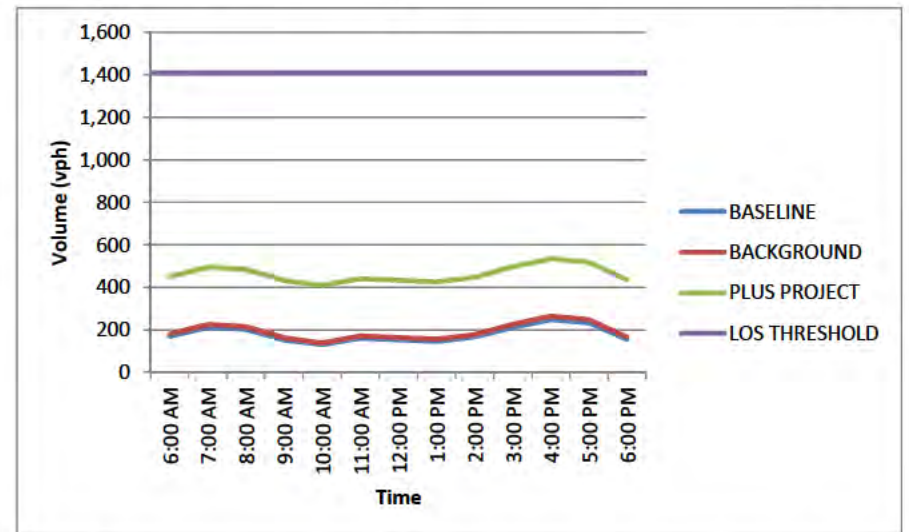
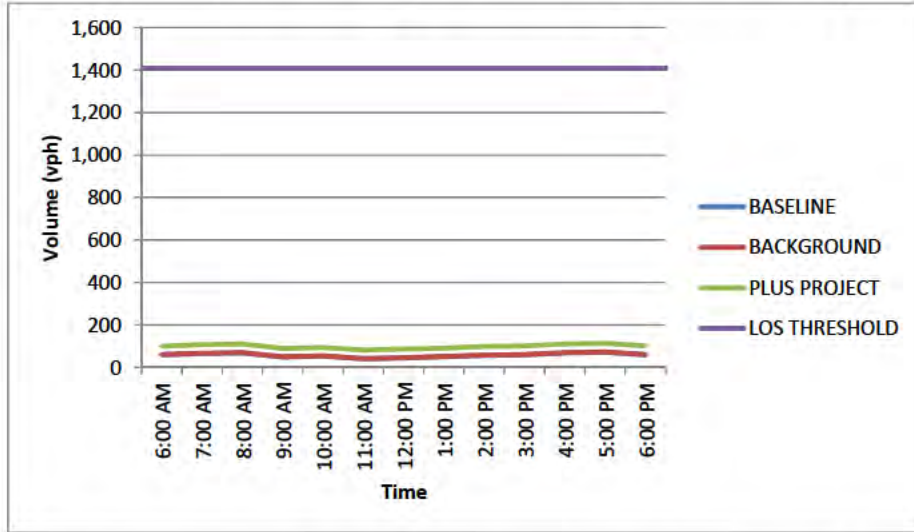
ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd



Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Sacramento County

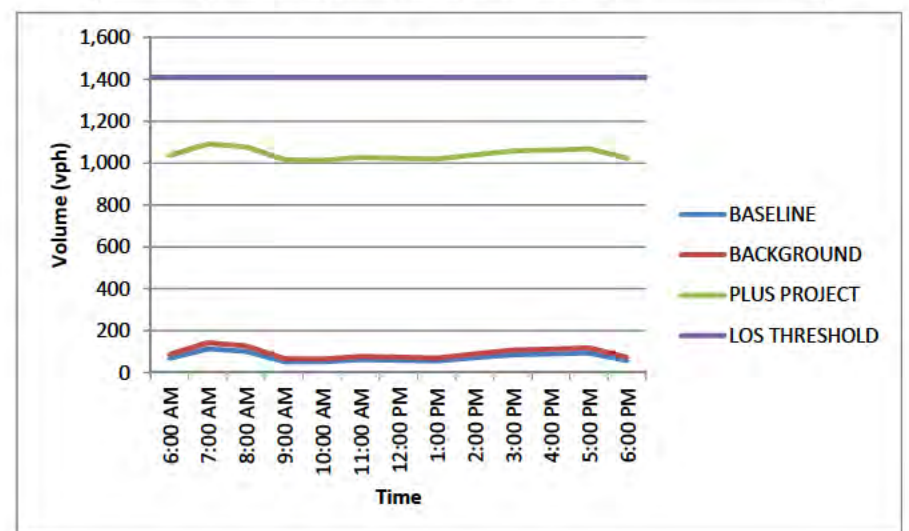
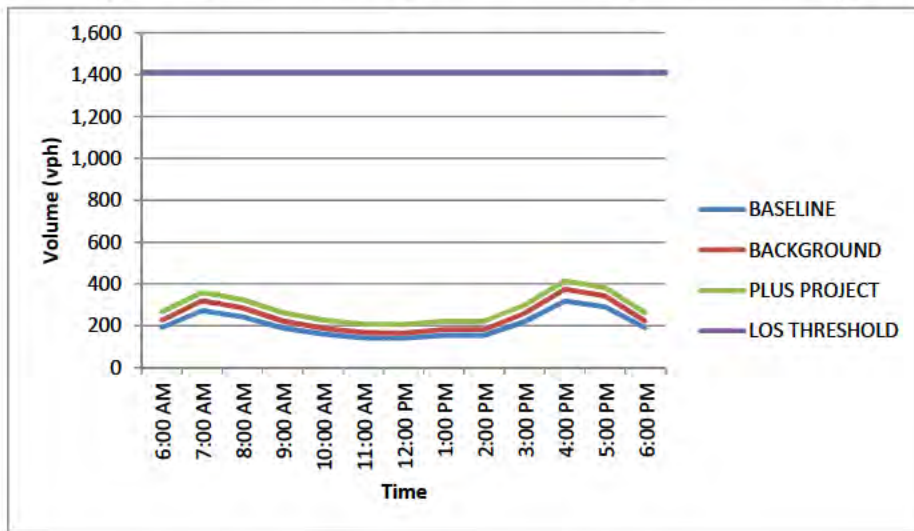
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd

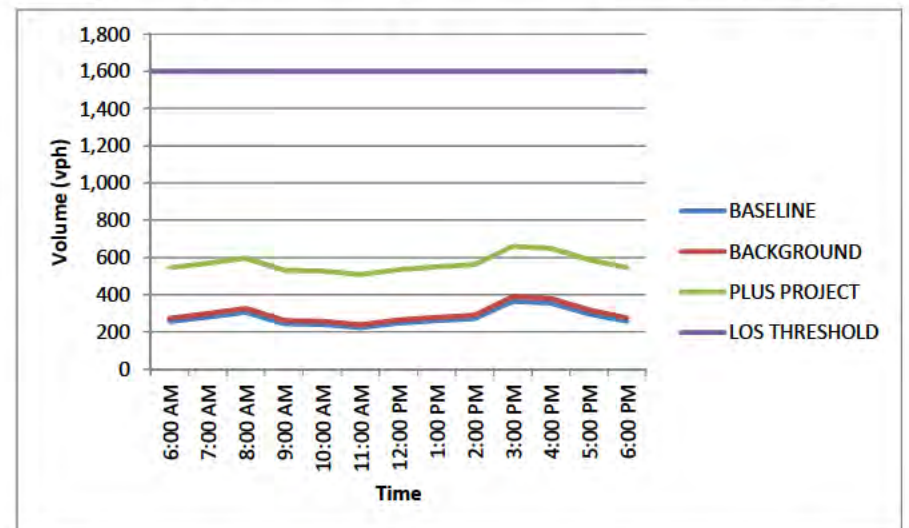
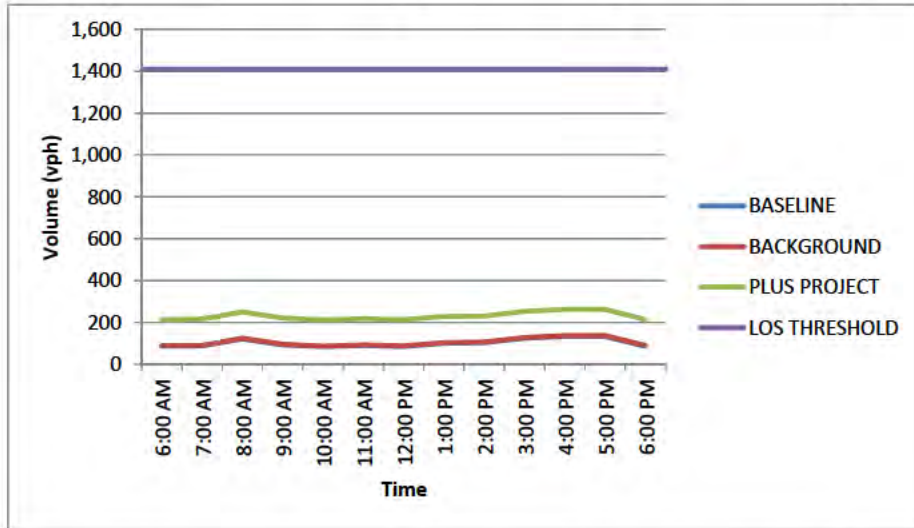
ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge



Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

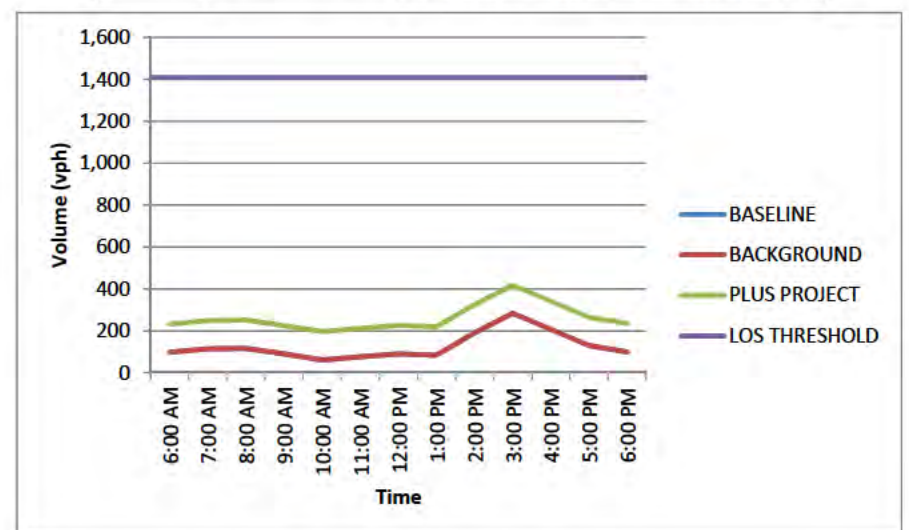
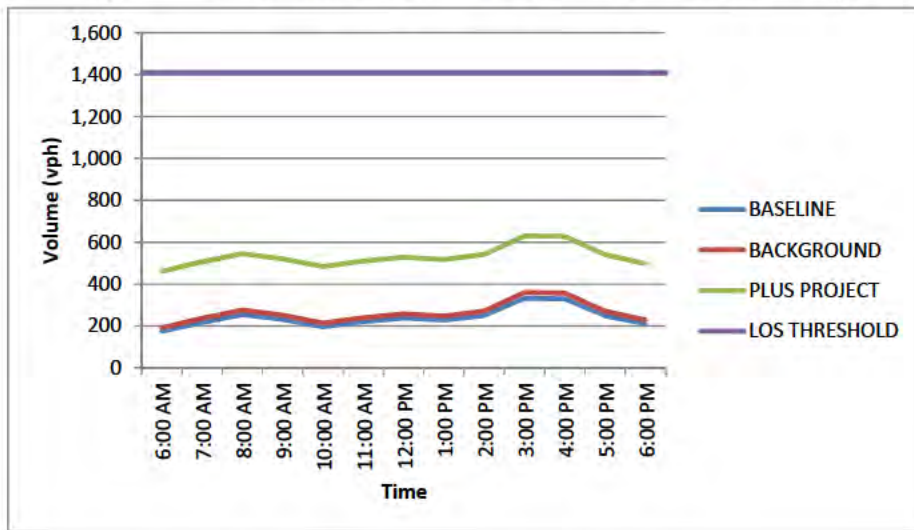
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

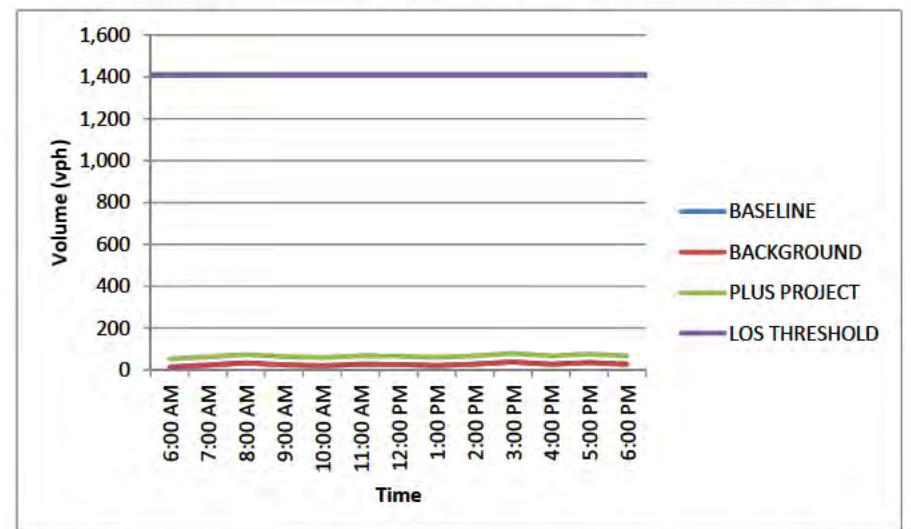
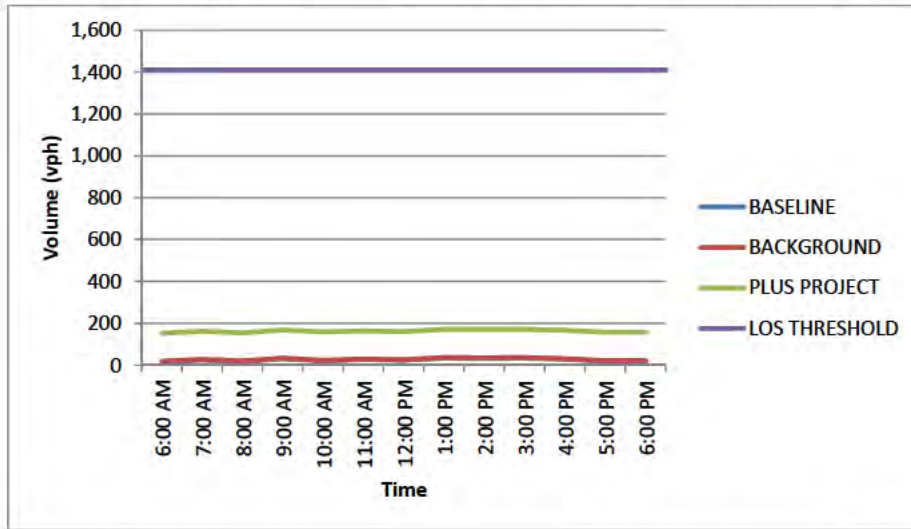
ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge



Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

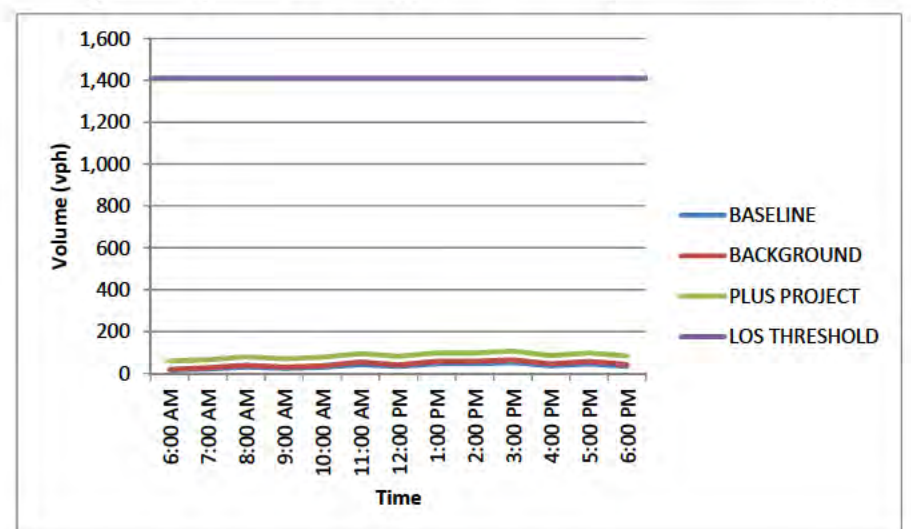
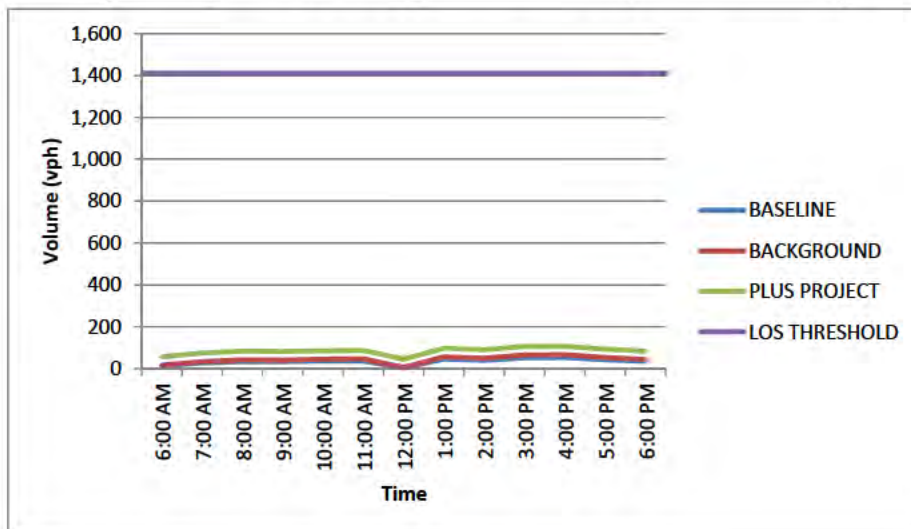
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island

ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



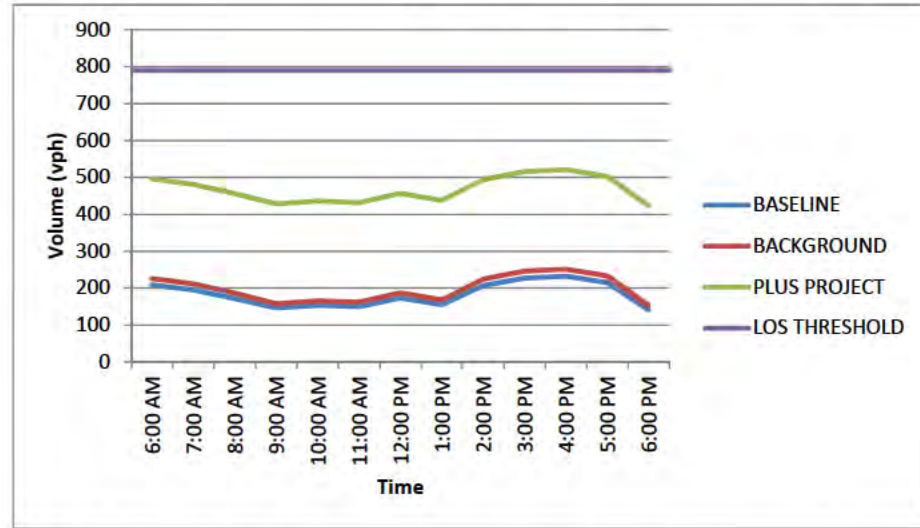
ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

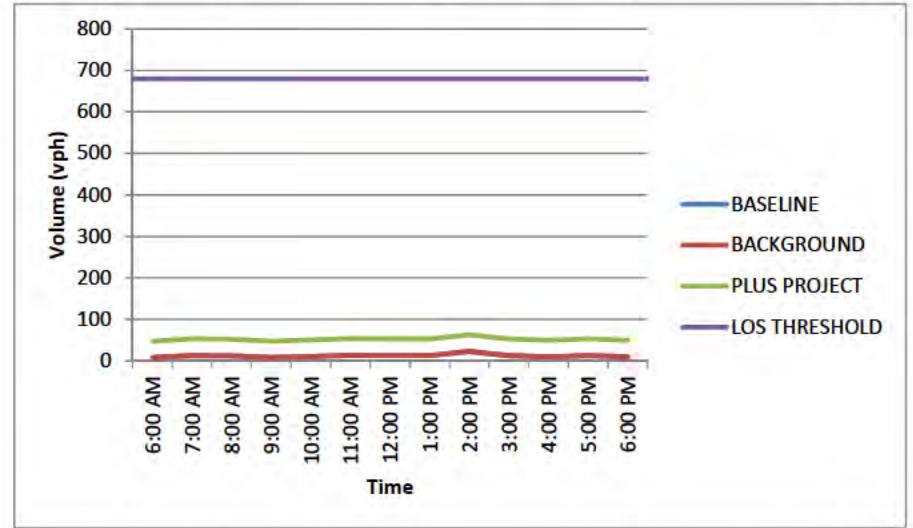


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

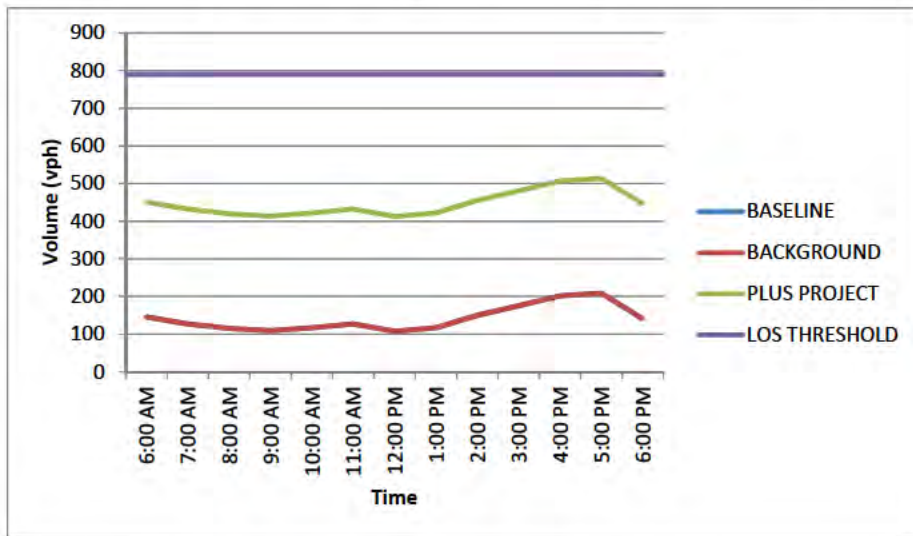
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



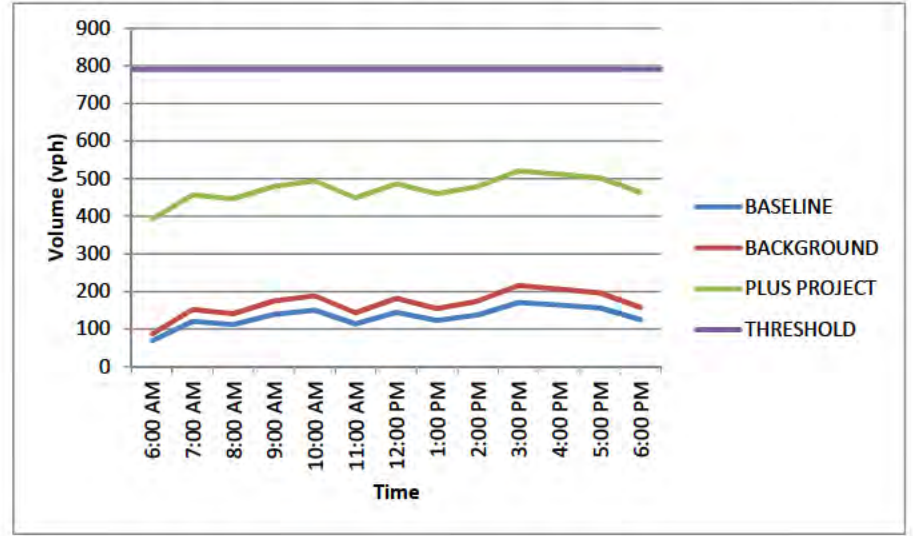
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

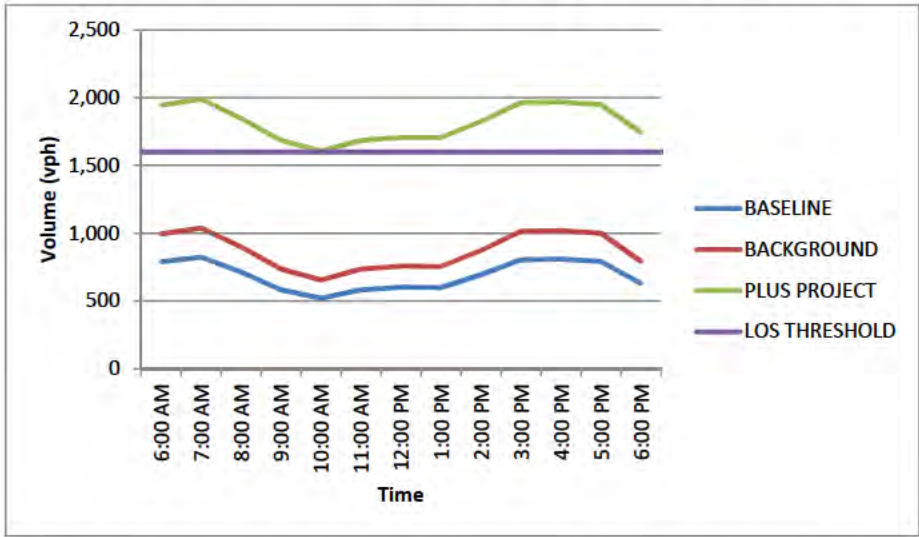


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

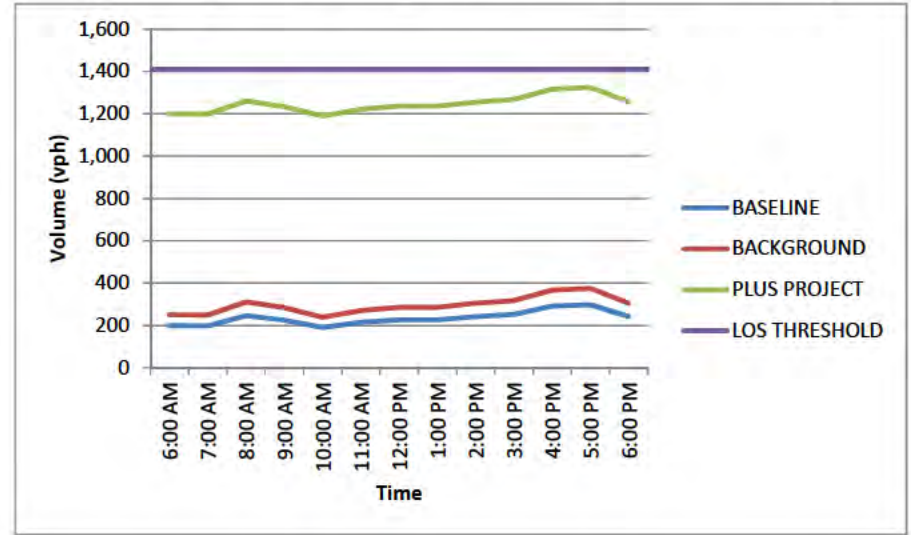


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

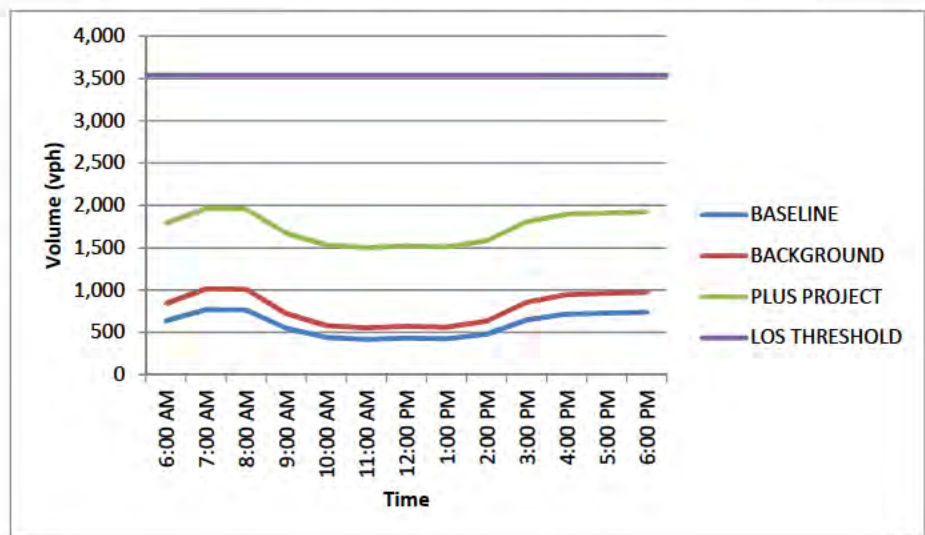
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

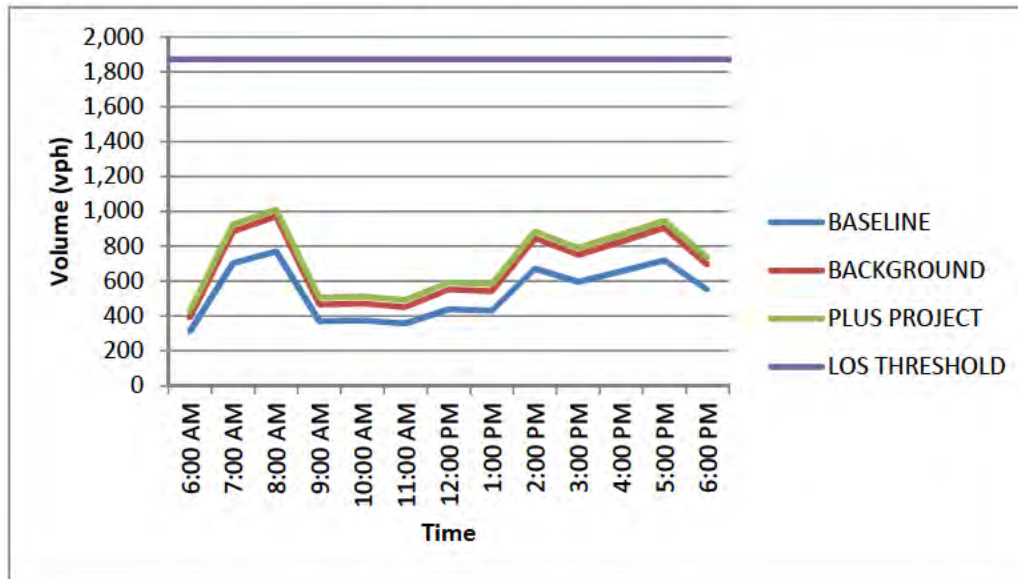


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



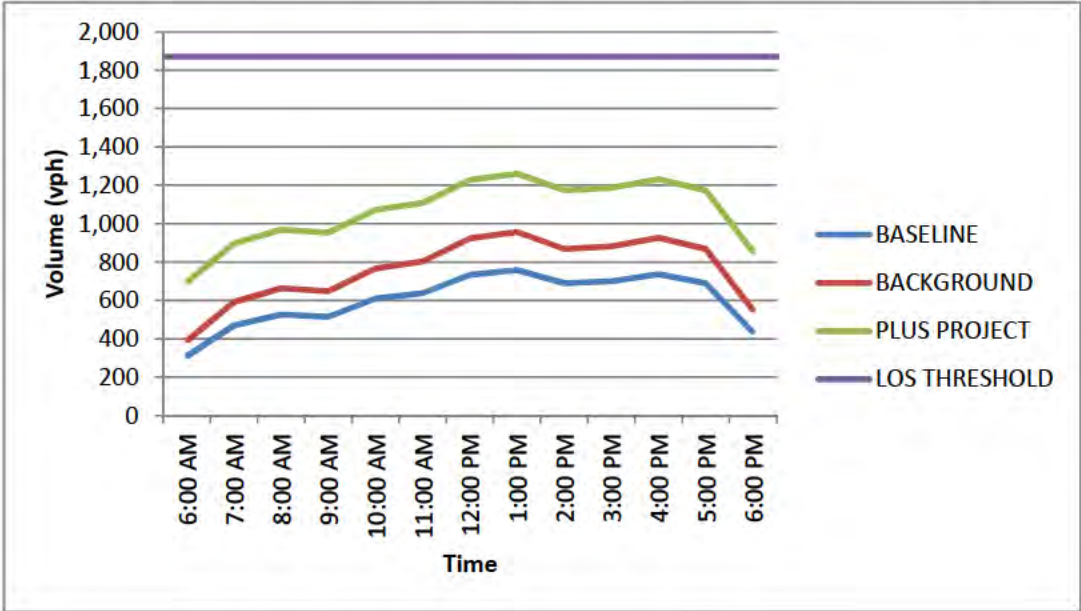
Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



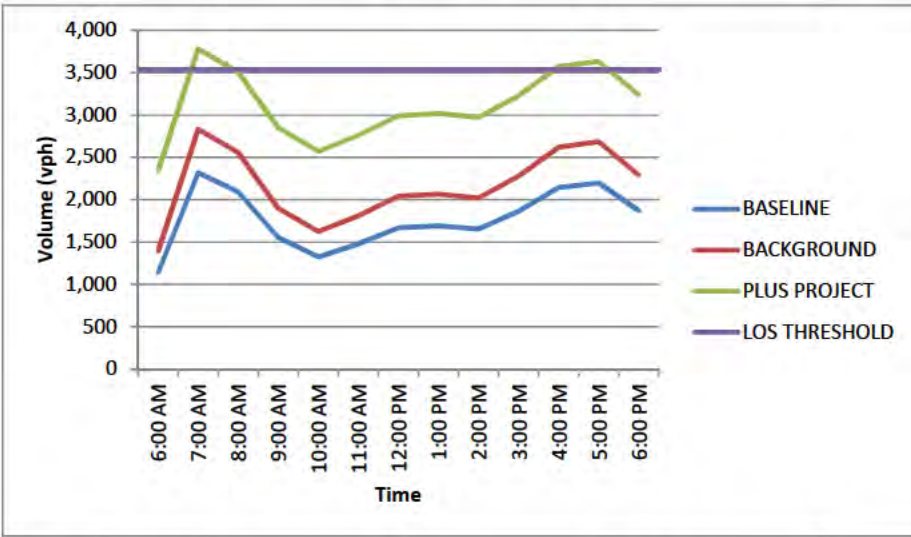
Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - City of Tracy

ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205

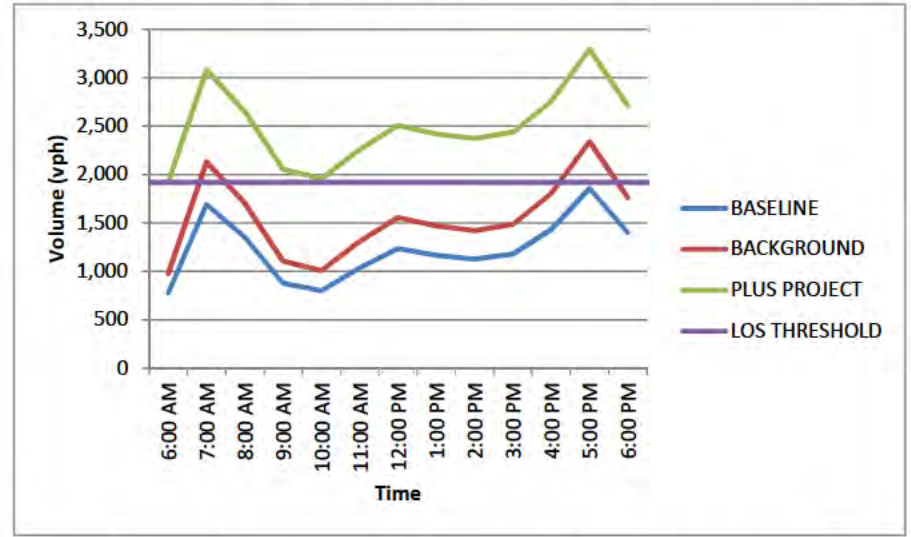


Pipeline/Tunnel Alternative 1A, 2A, and 6A
 Hourly Roadway Volumes and LOS Threshold - West Sacramento

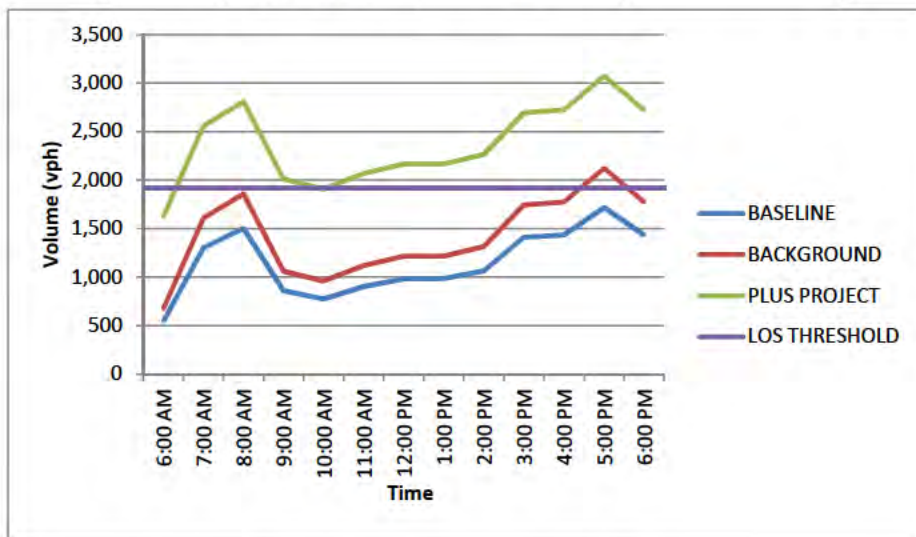
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50



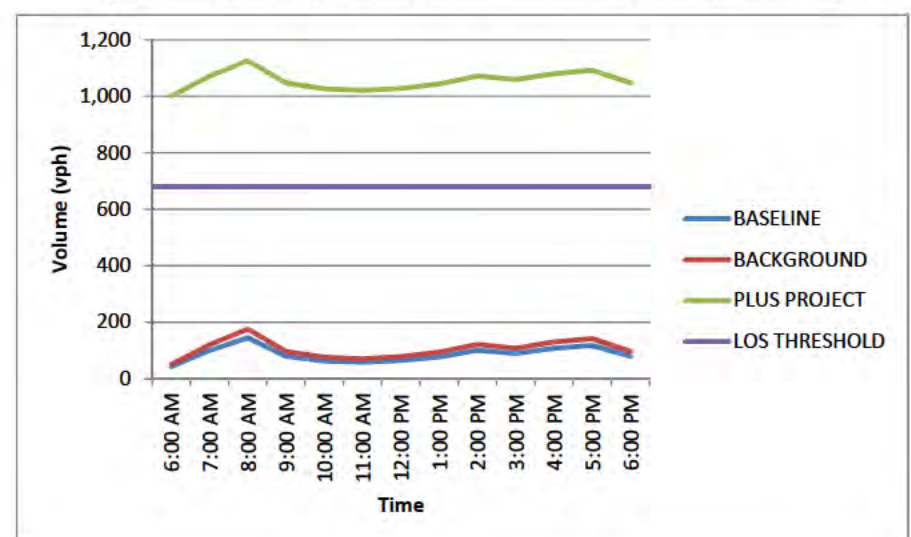
ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy



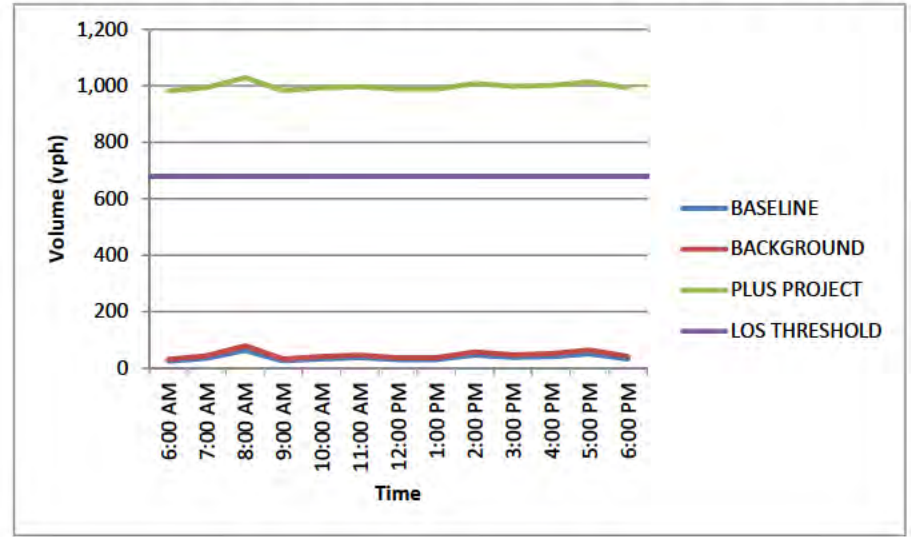
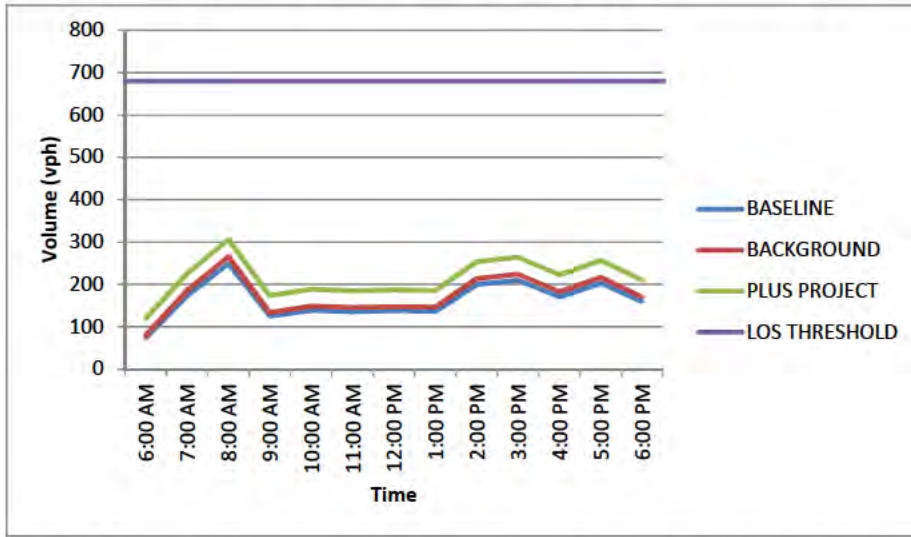
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



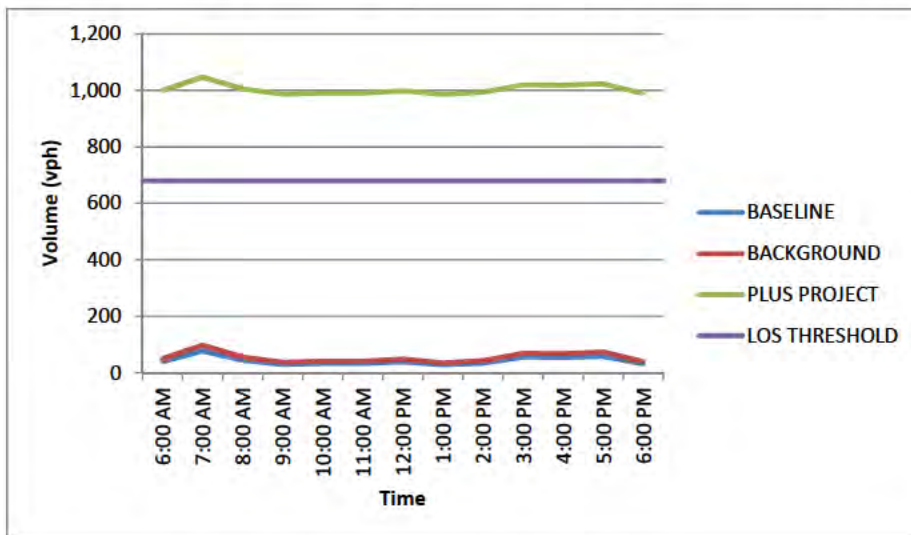
Pipeline/Tunnel Alternative 1A, 2A, and 6A
Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd



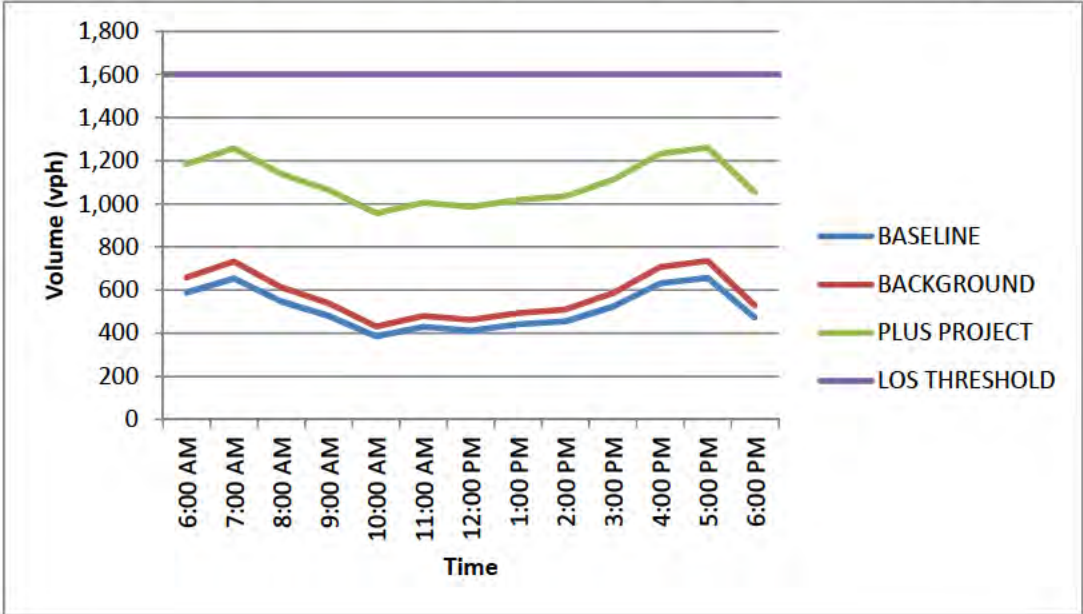
East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold Charts

4 Chart Notes:

- 5 • For roadway segments with no growth in background traffic, the “Background” traffic volume is
6 equal to the “Baseline” traffic volume.
- 7 • For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic
8 volume is equal to the “Baseline” and “Background” traffic volumes.

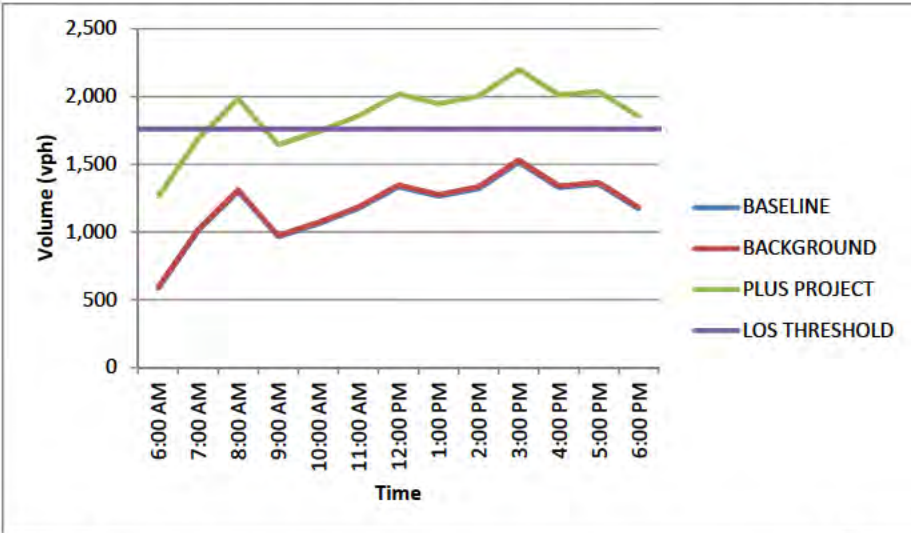
East Alignment Alternatives 1B, 2B, and 6B
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line

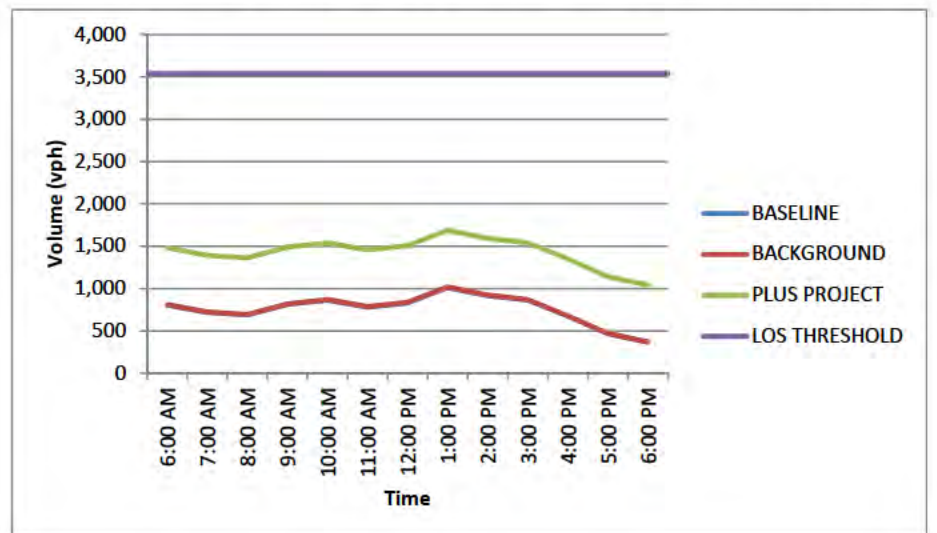


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - City of Brentwood

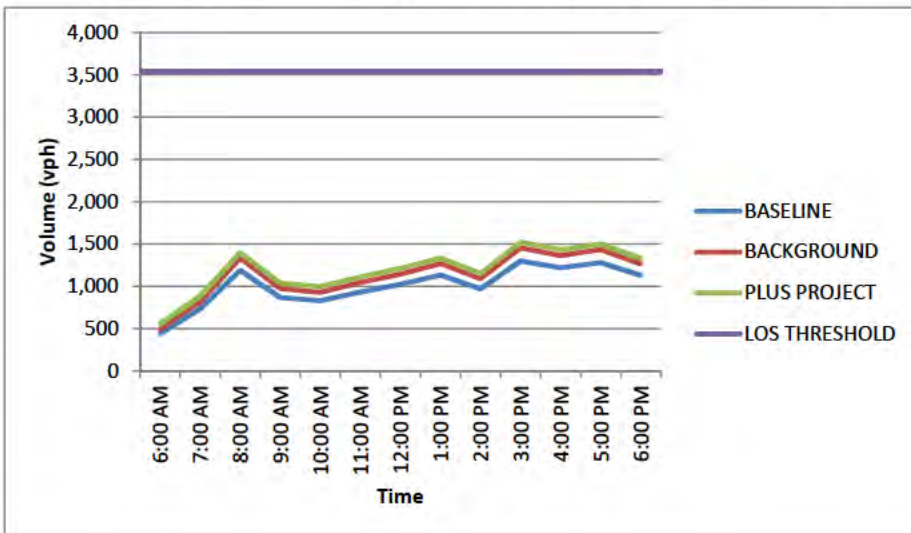
ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd



ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)

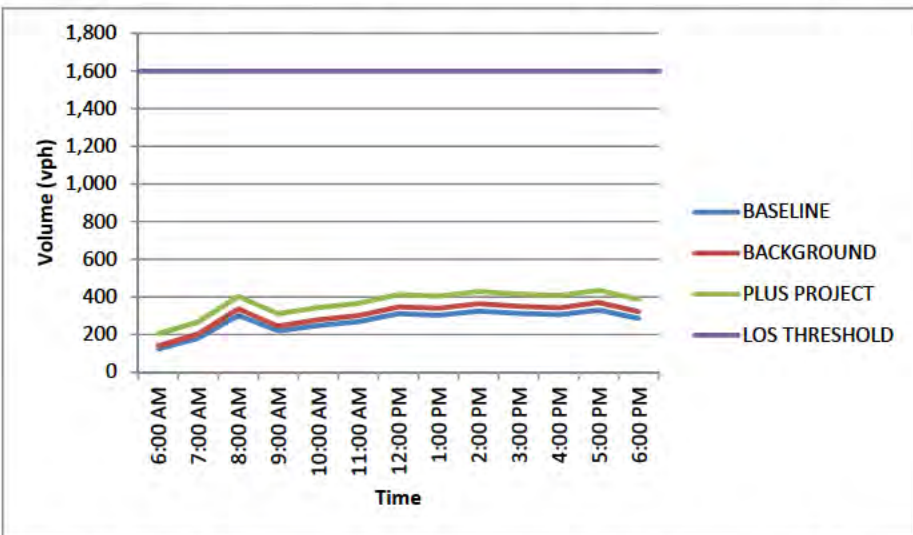


ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits

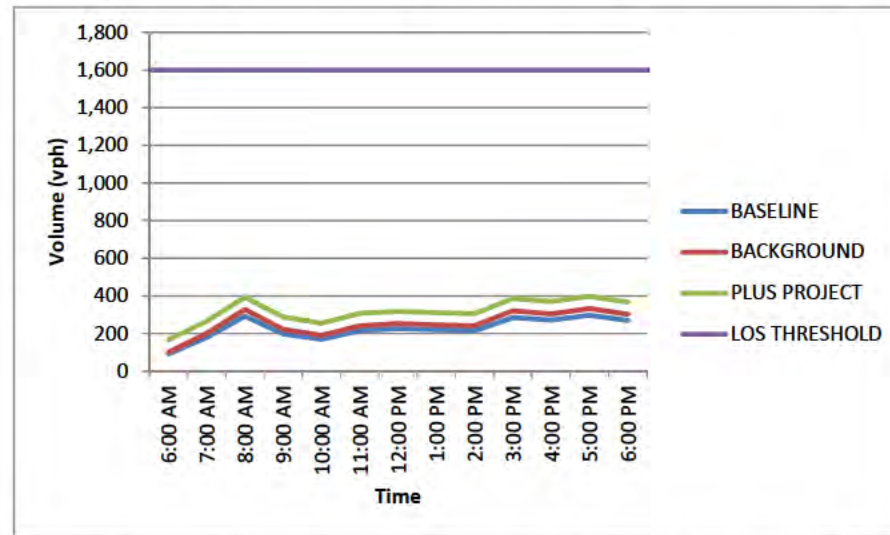


East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Contra Costa County

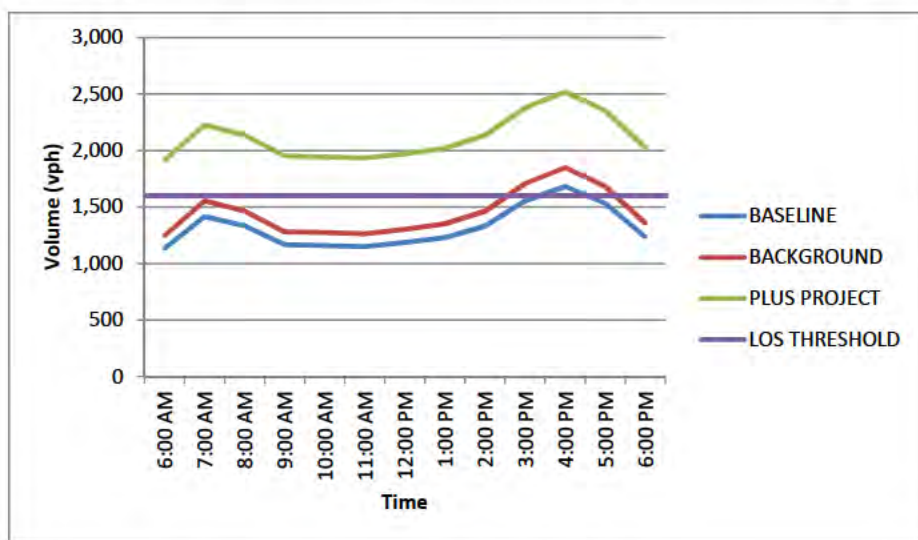
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End



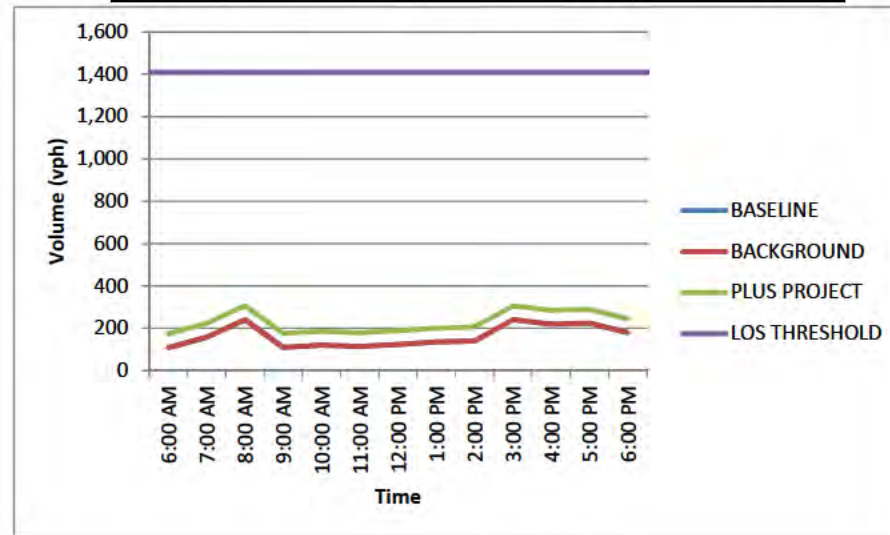
ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

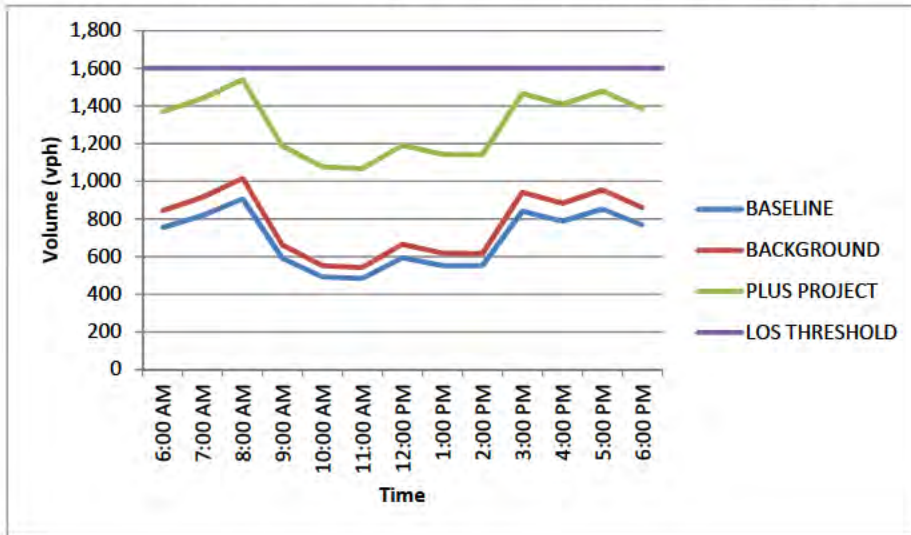


ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



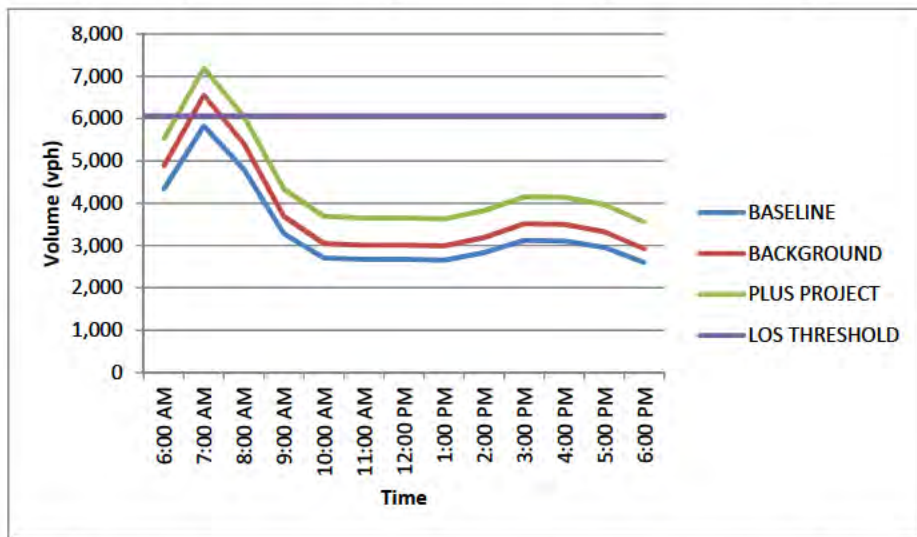
East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

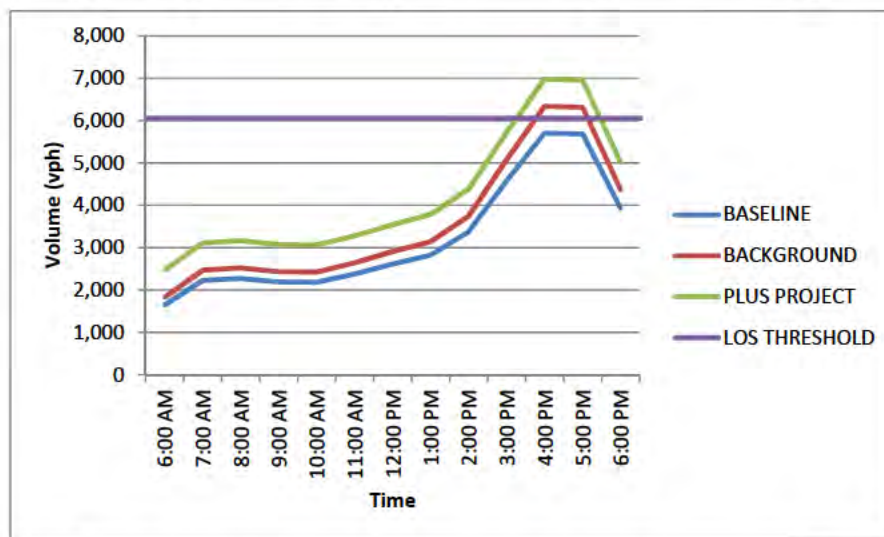


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

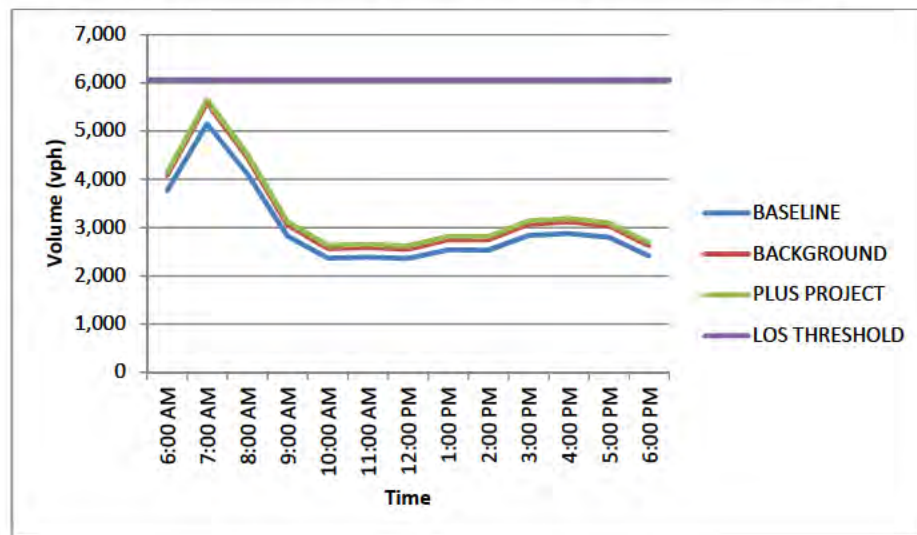
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



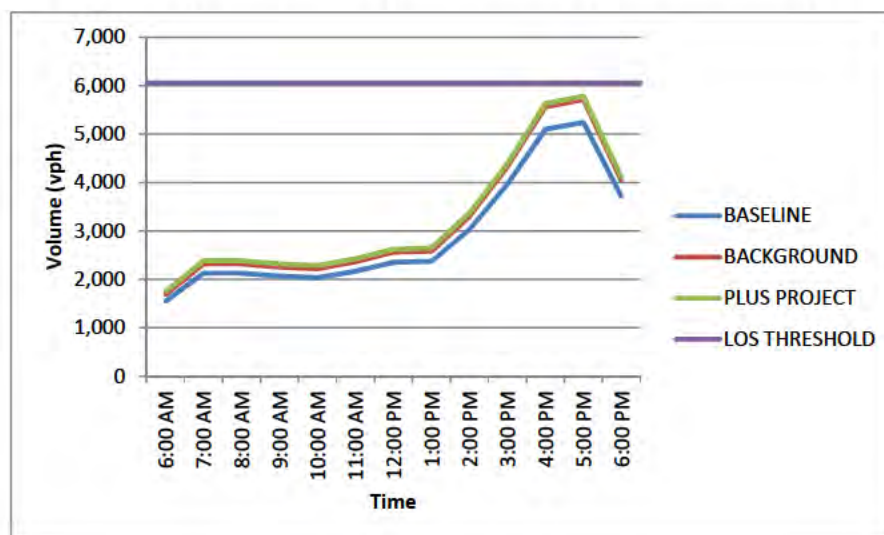
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

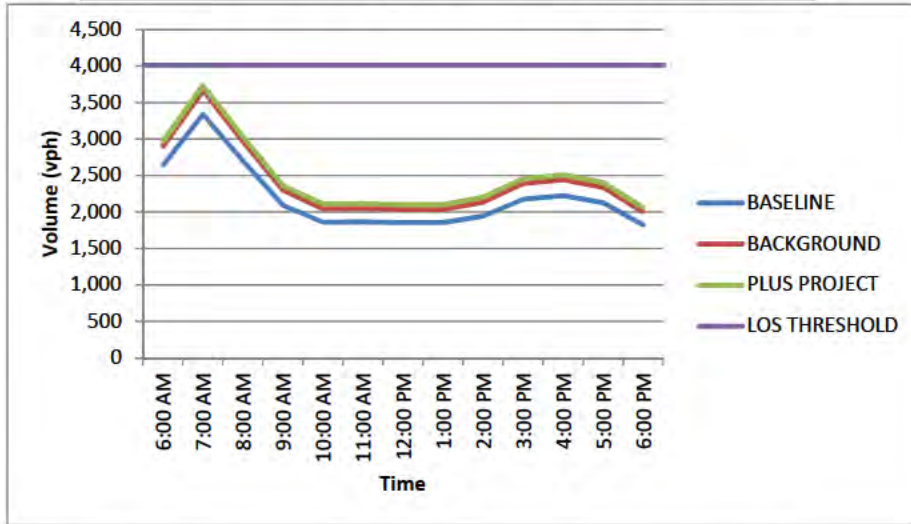


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

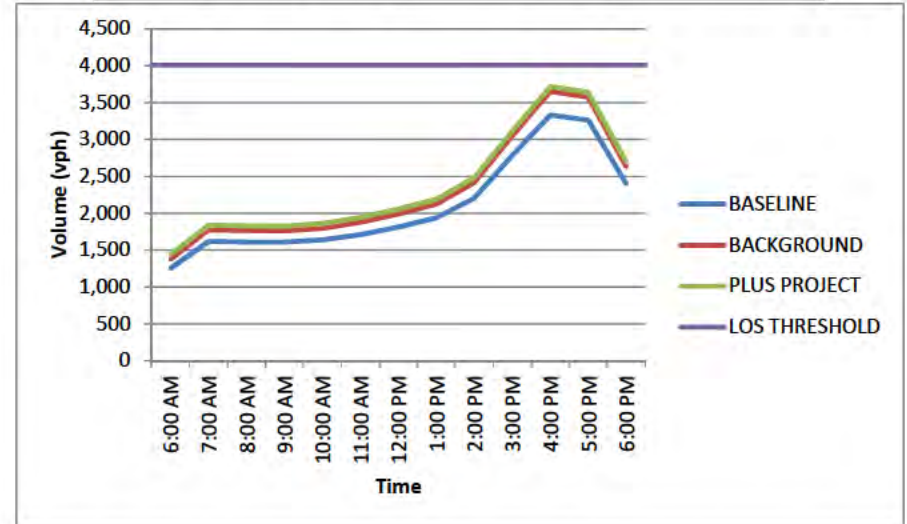


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

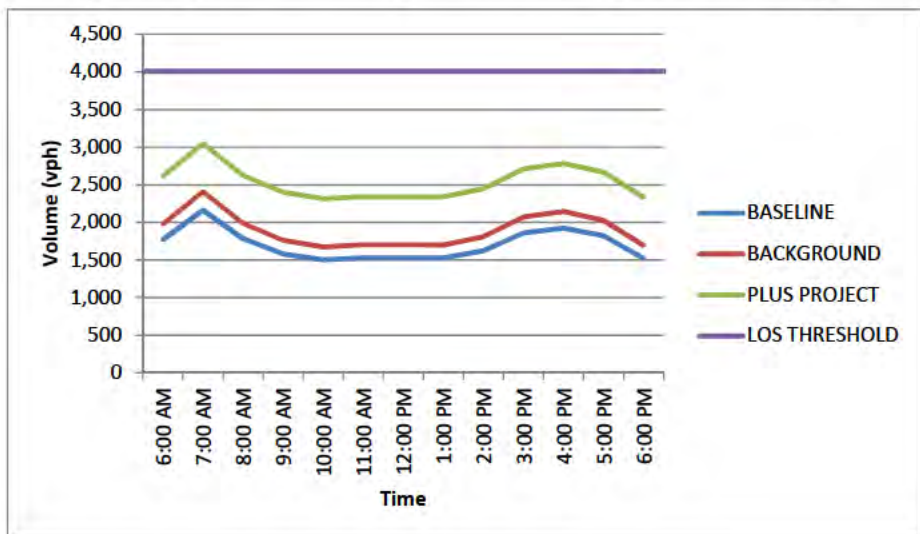
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



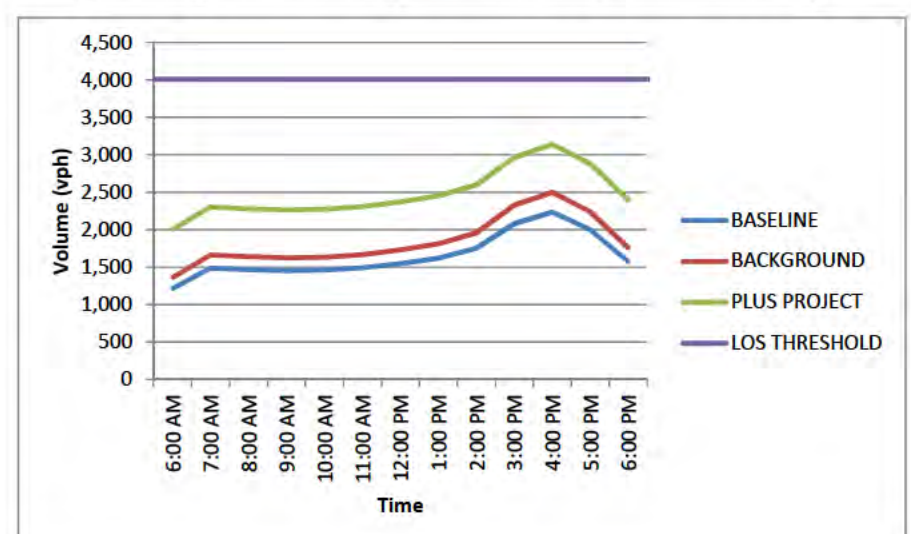
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



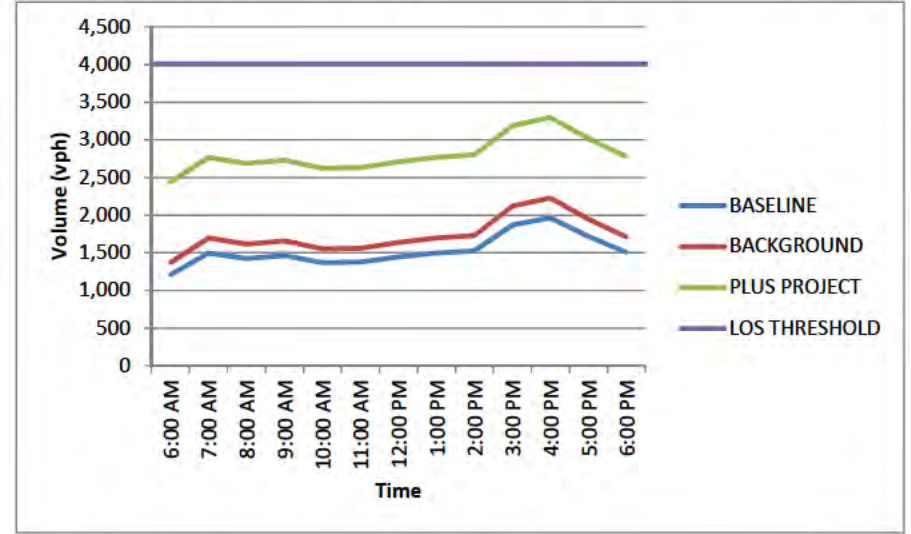
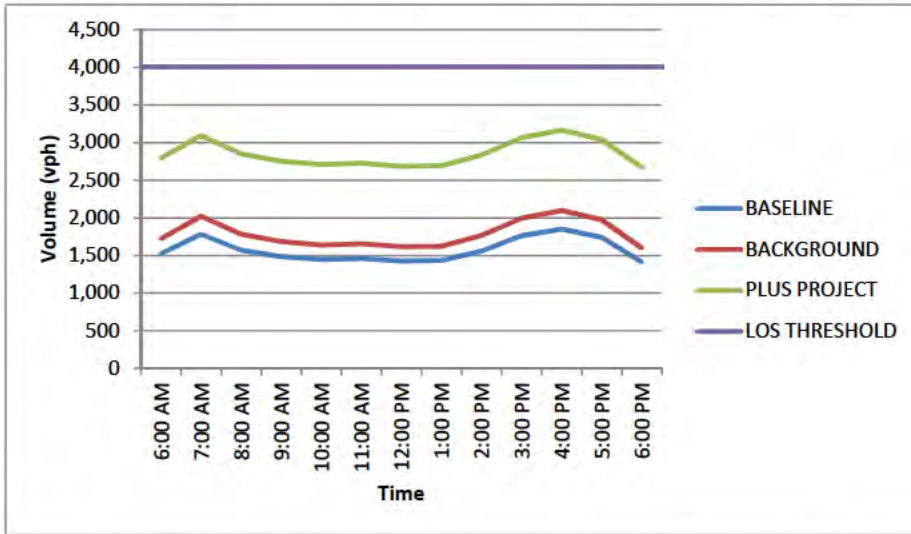
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

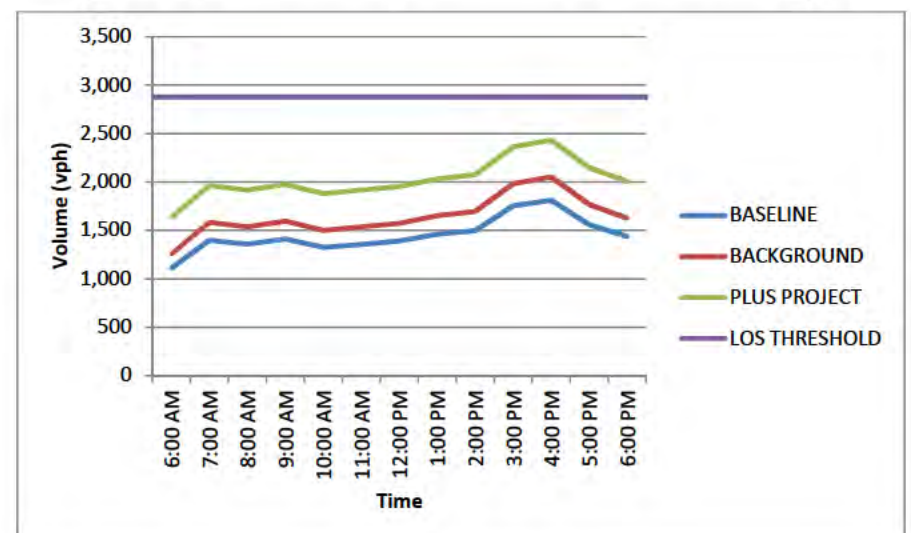
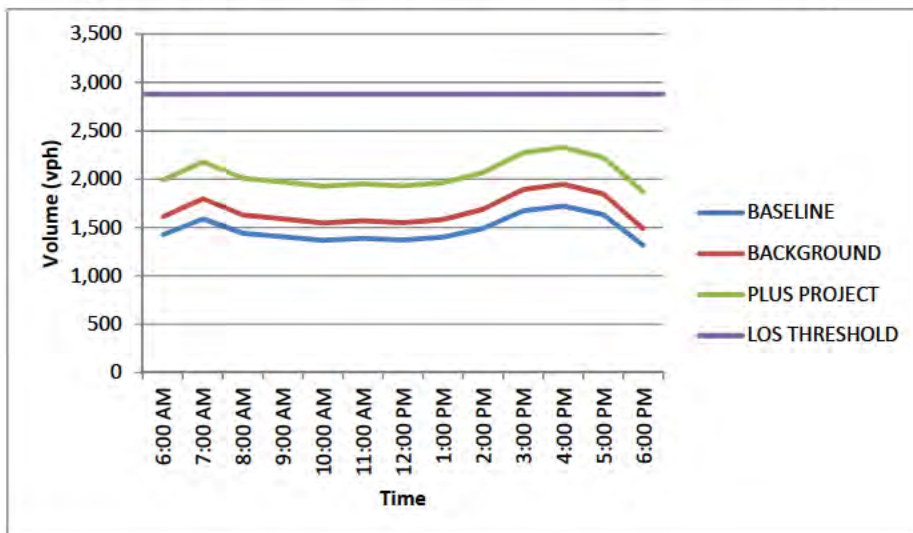
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

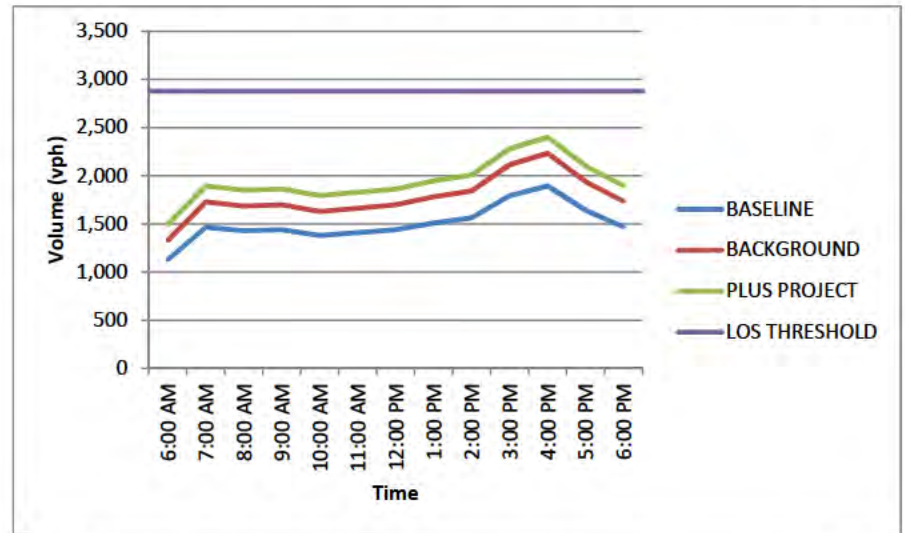
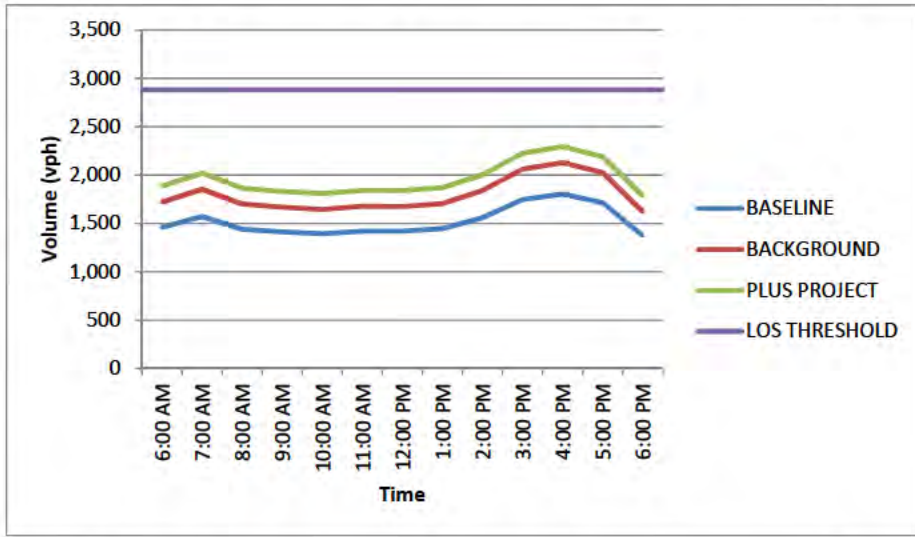
ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd



East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Caltrans

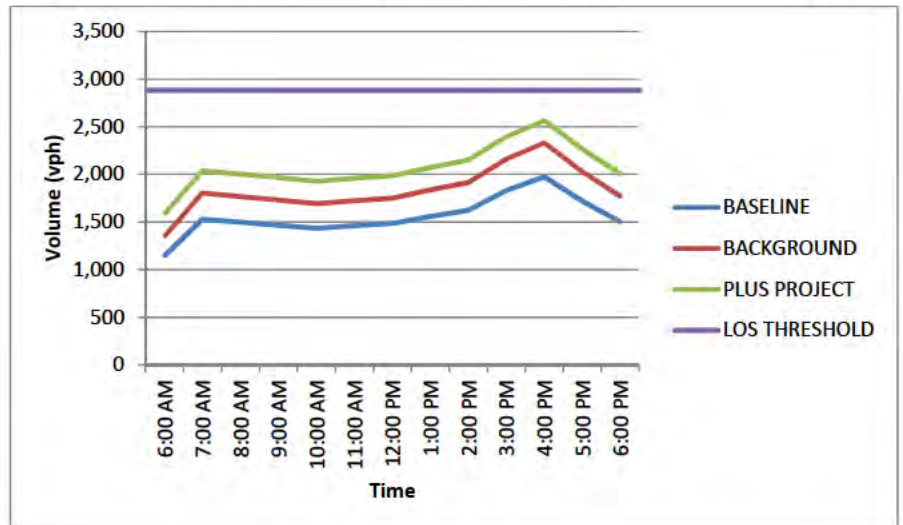
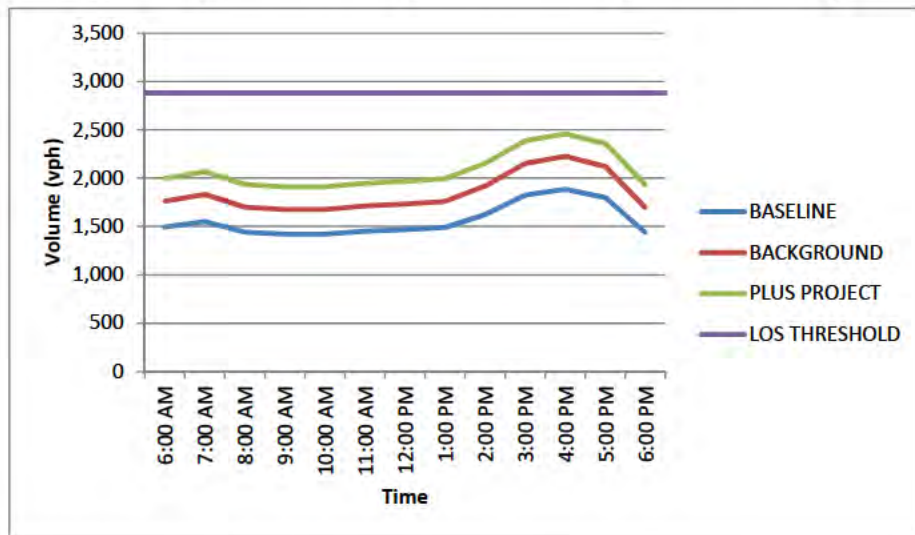
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd

ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

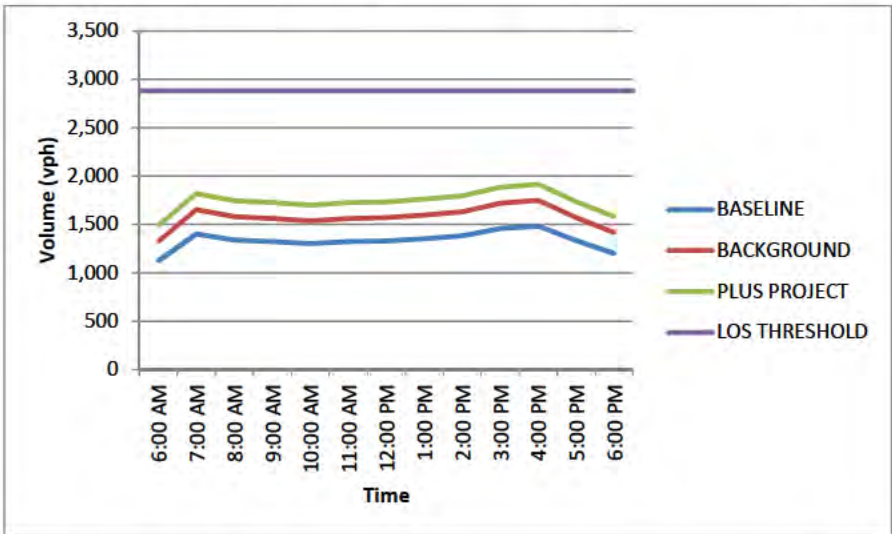
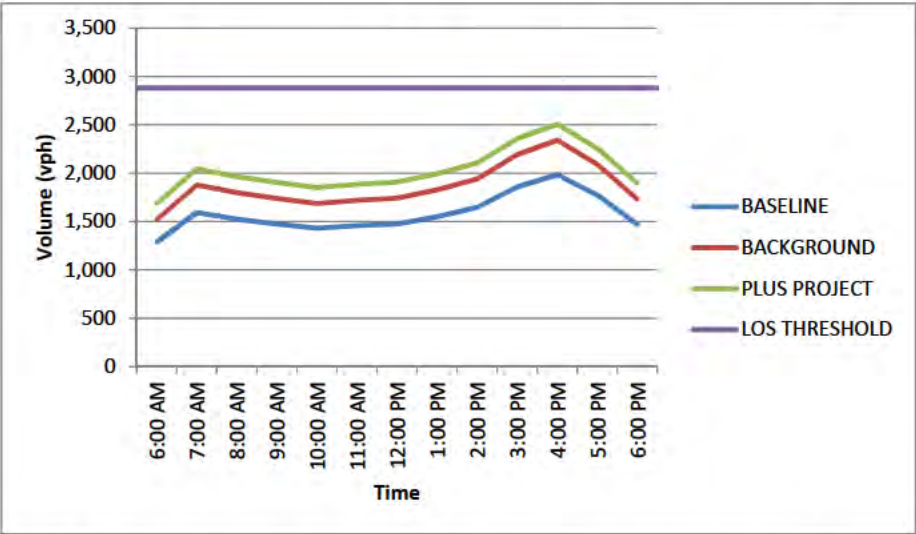
ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd



East Alignment Alternatives 1B, 2B, and 6B
 Hourly Roadway Volumes and LOS Threshold - Caltrans

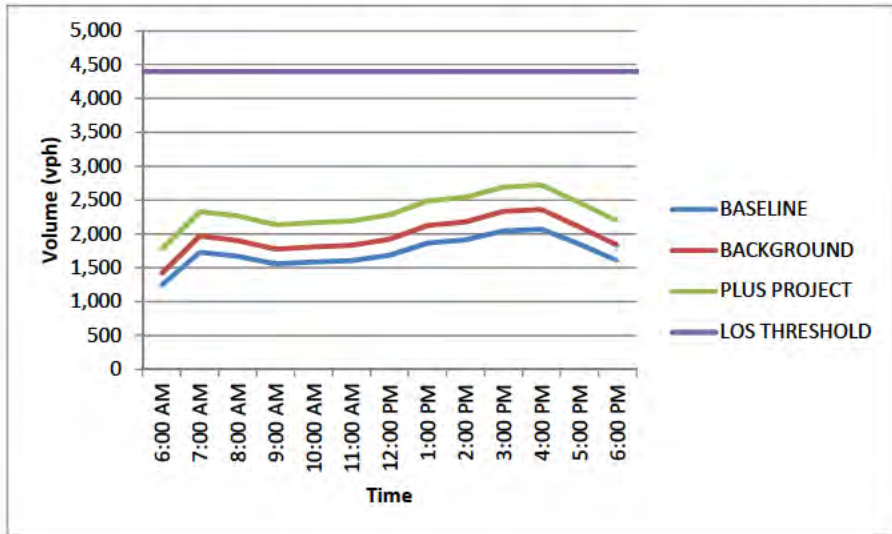
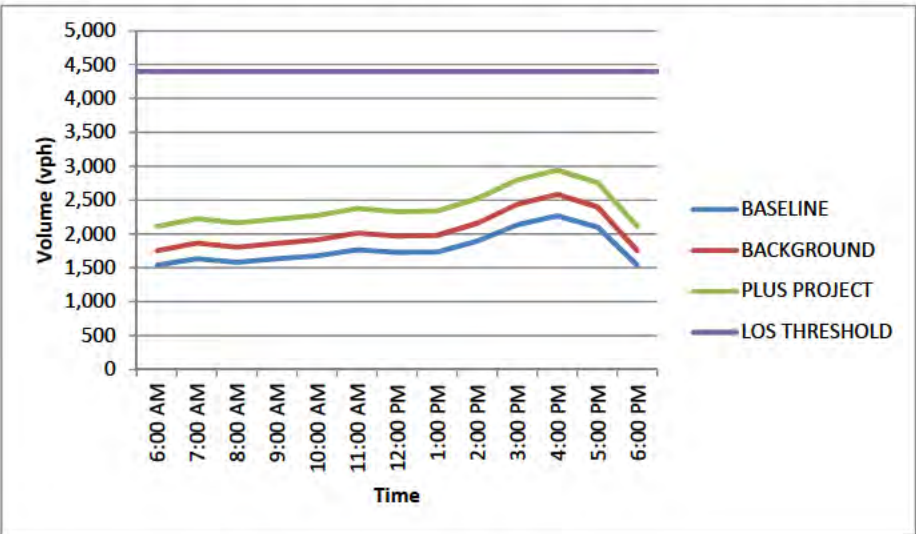
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd

ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



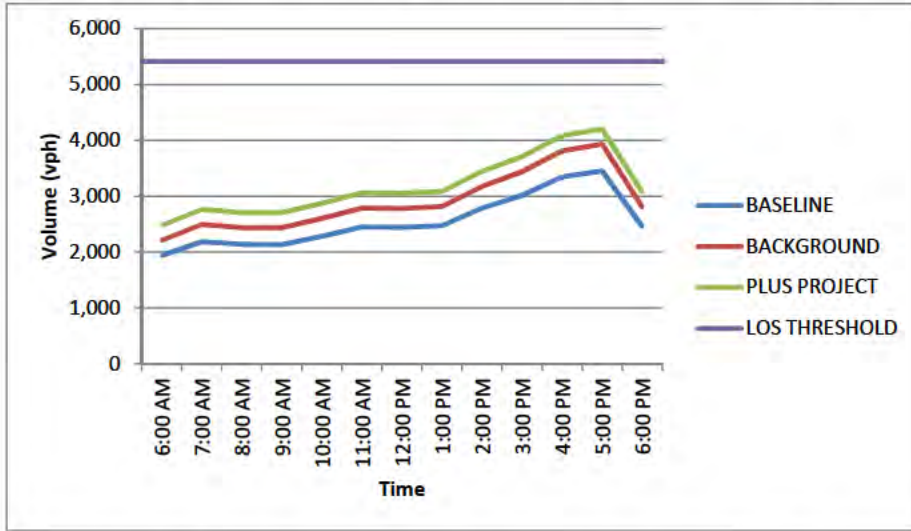
ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

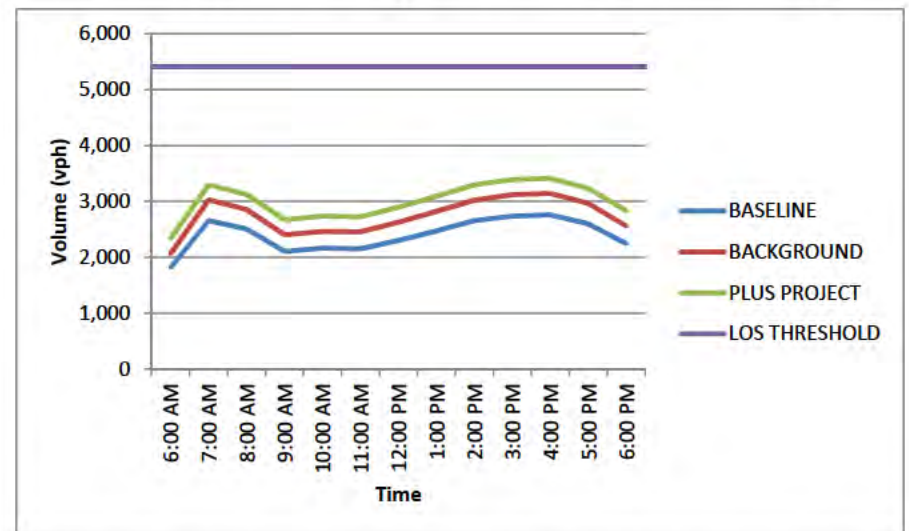


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

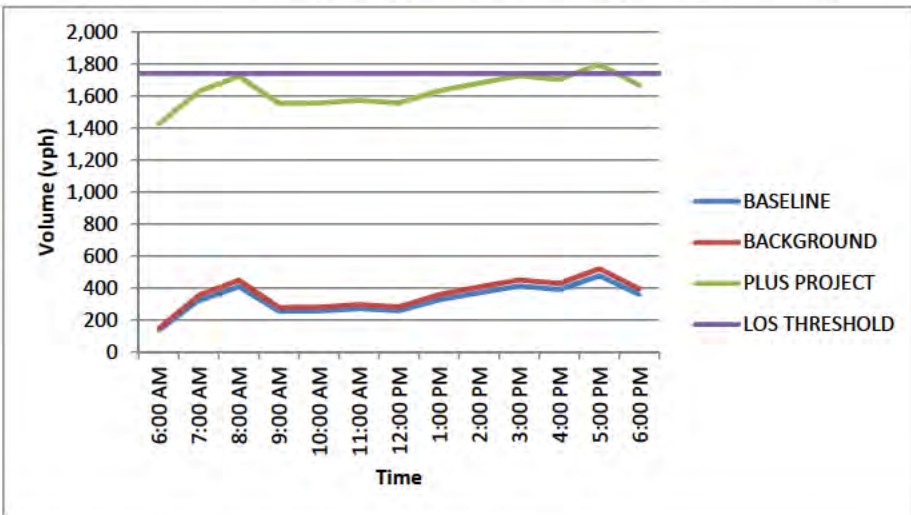
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



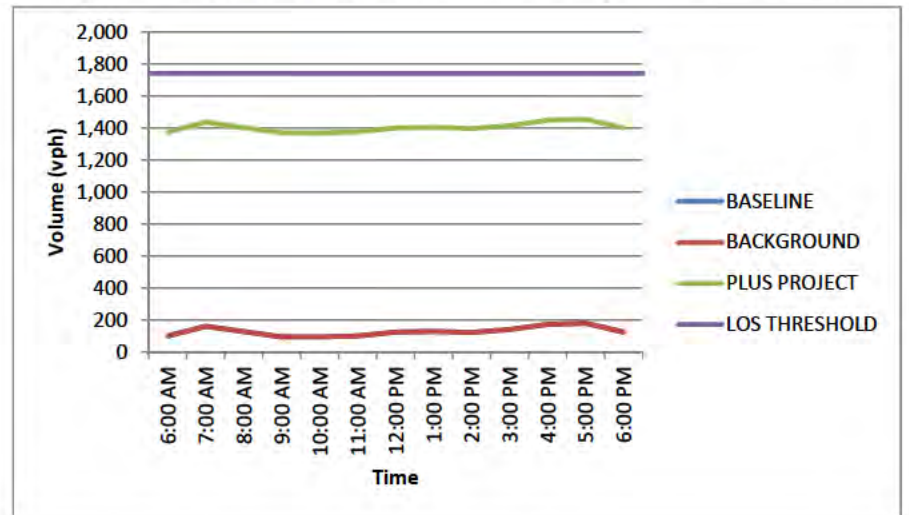
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

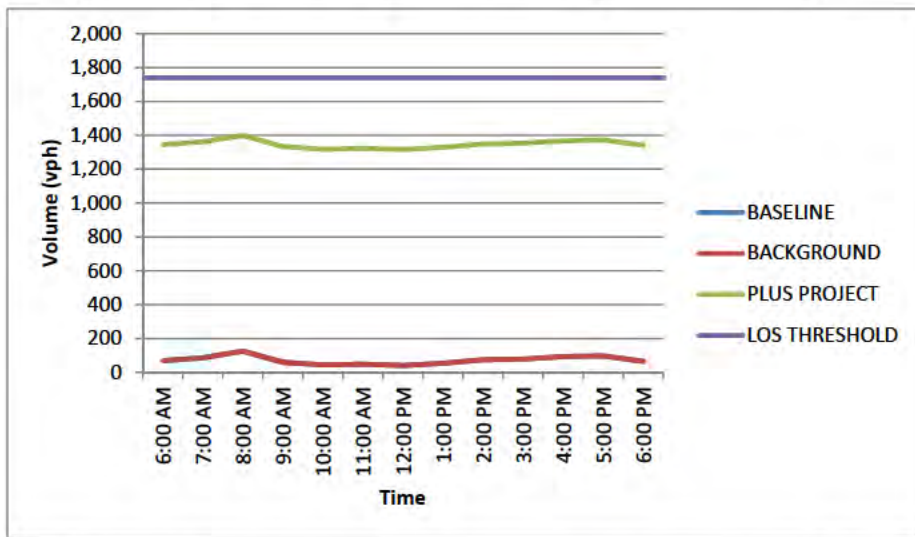


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

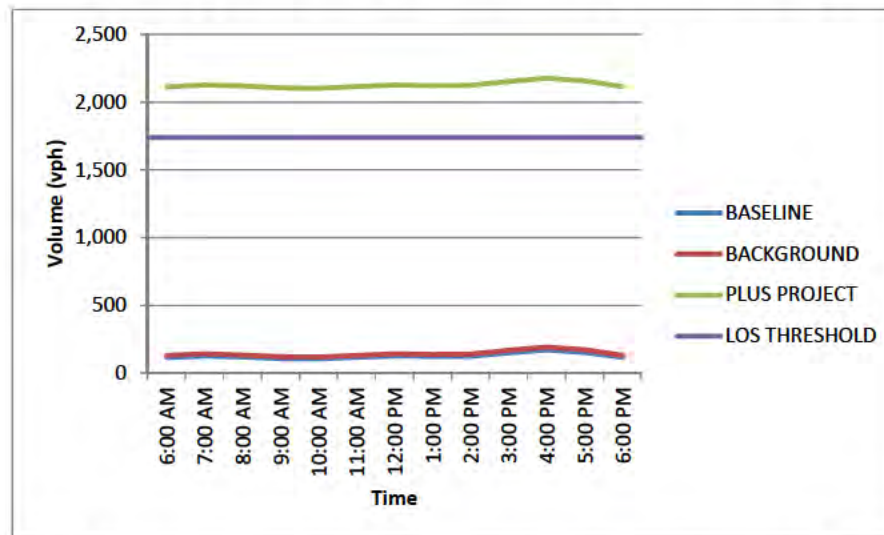


**East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans**

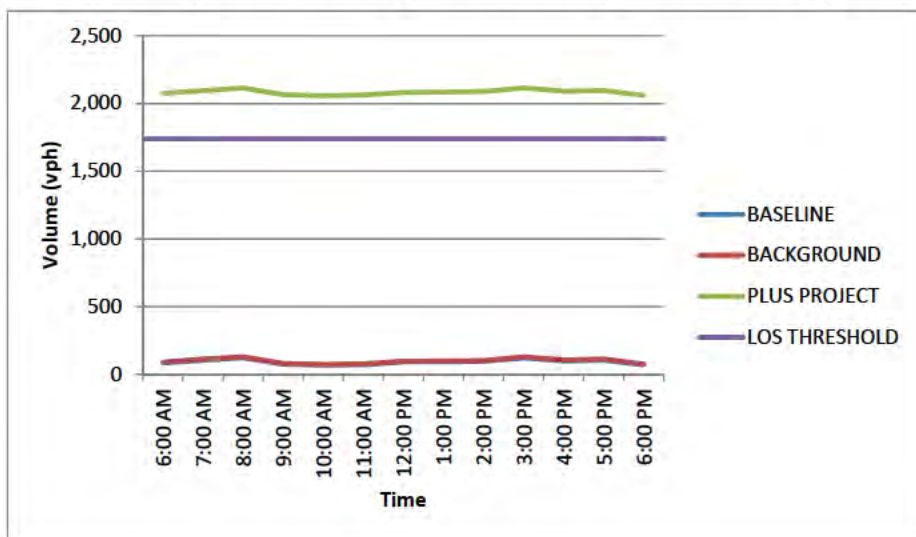
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



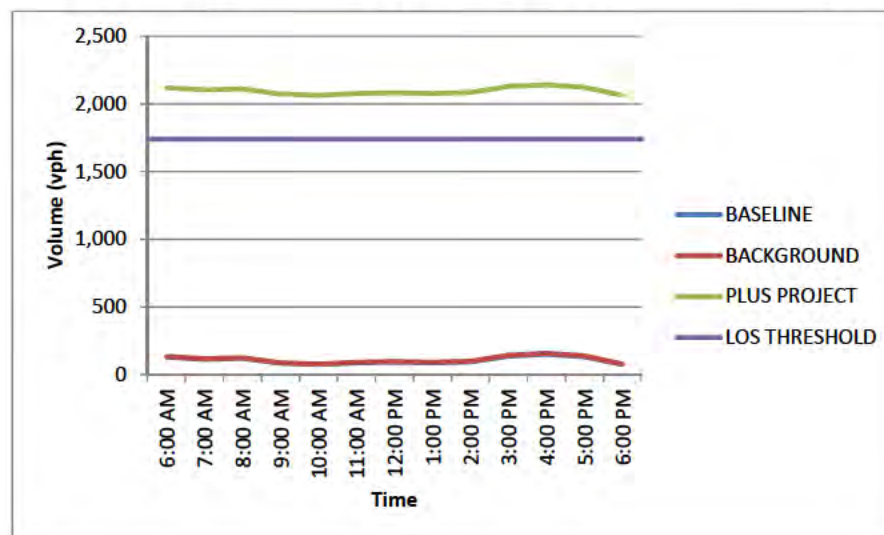
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

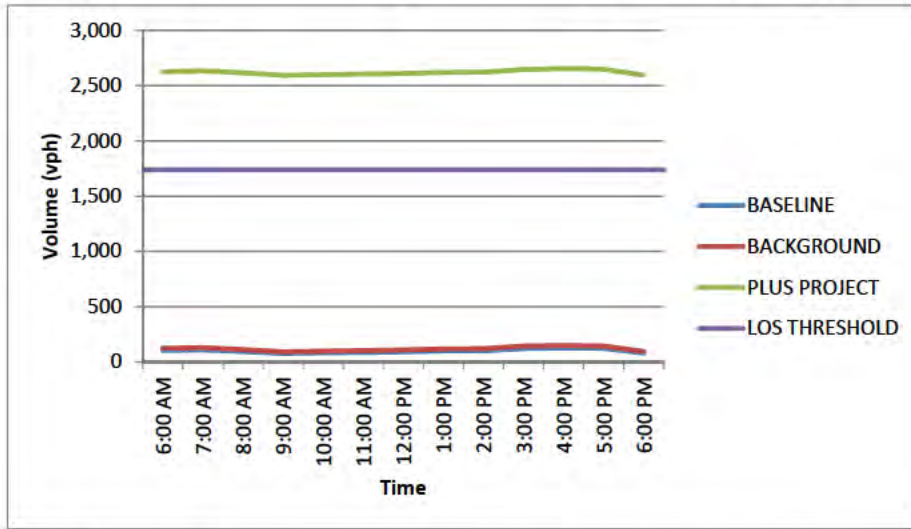


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

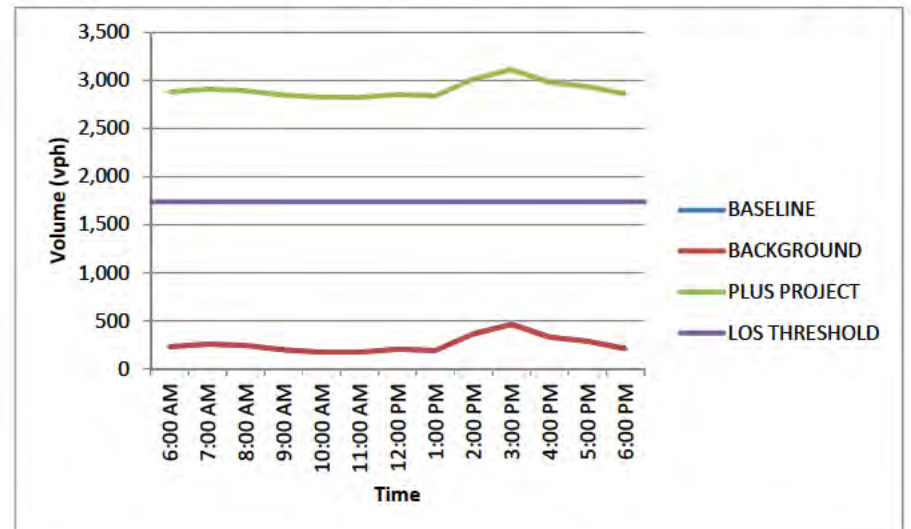


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

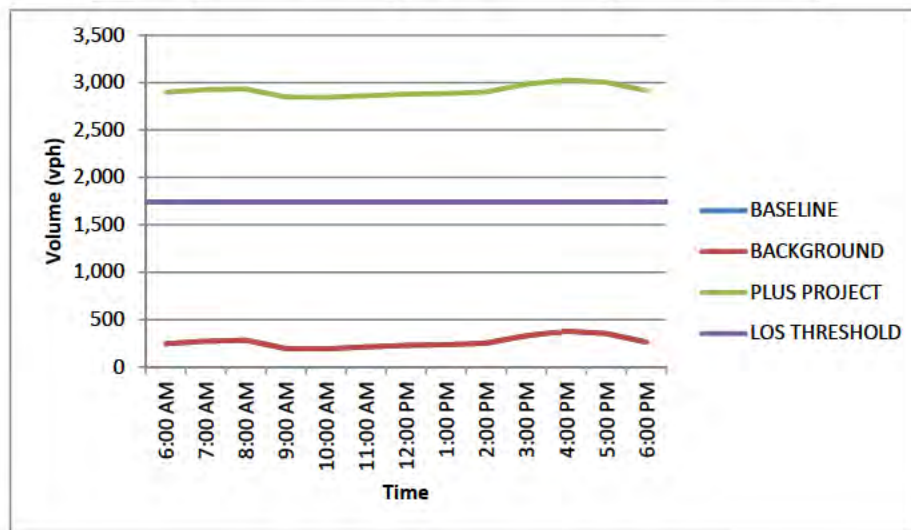
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



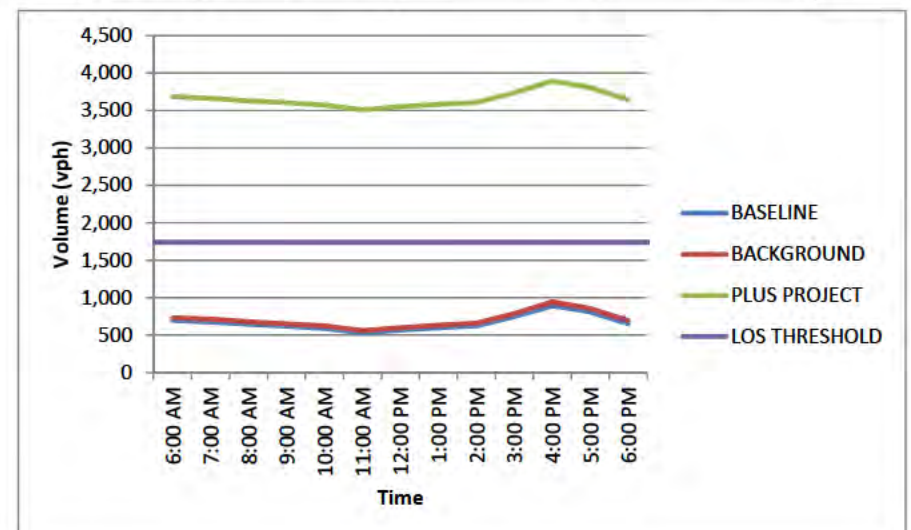
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12

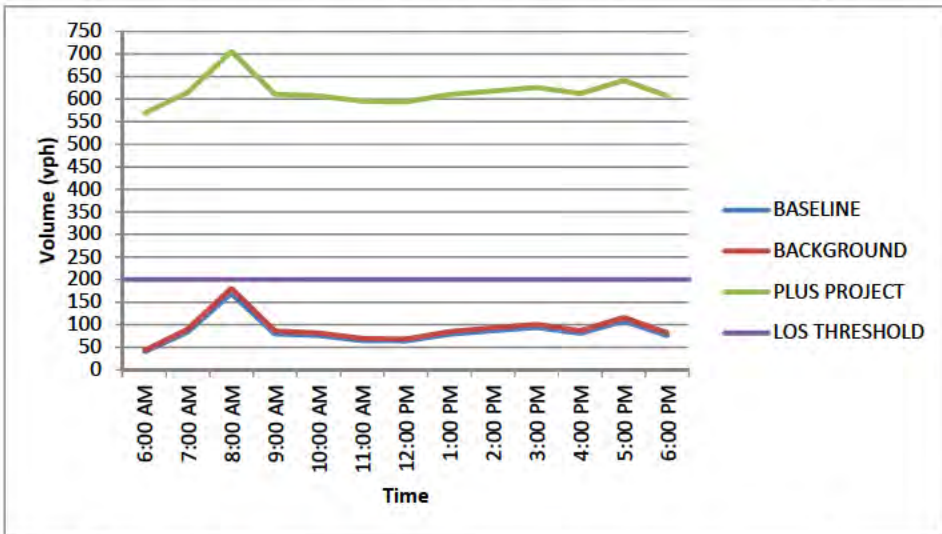


ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12

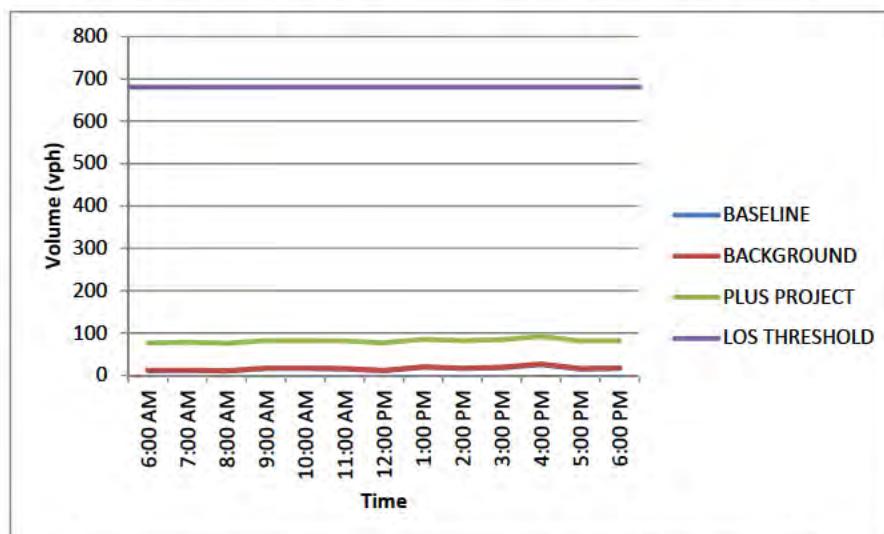


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

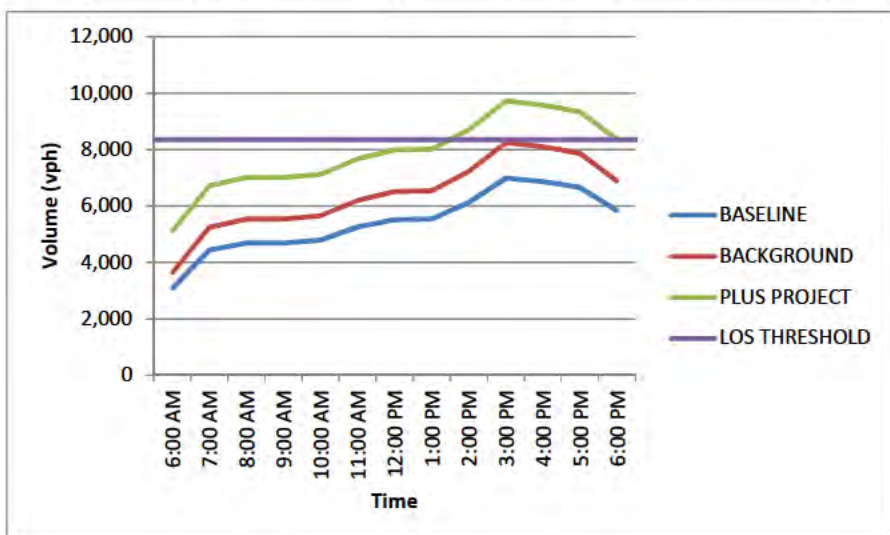
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd



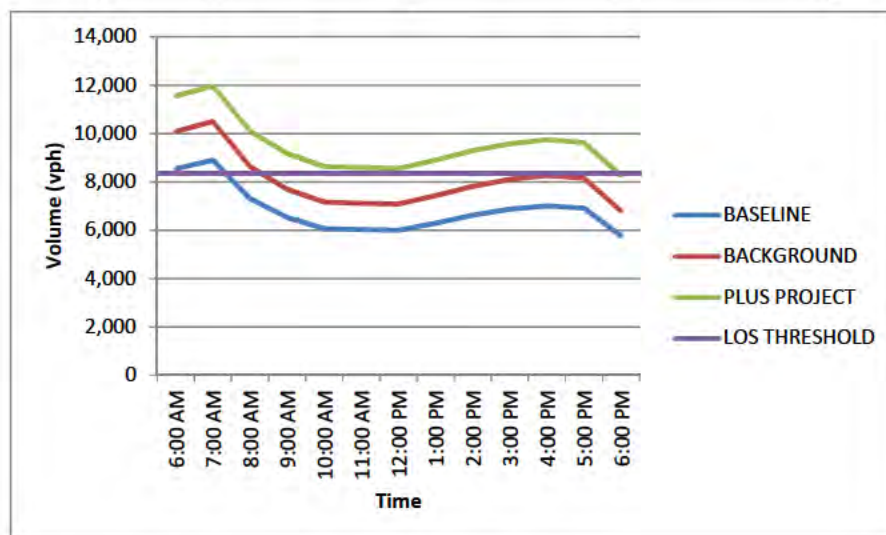
ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

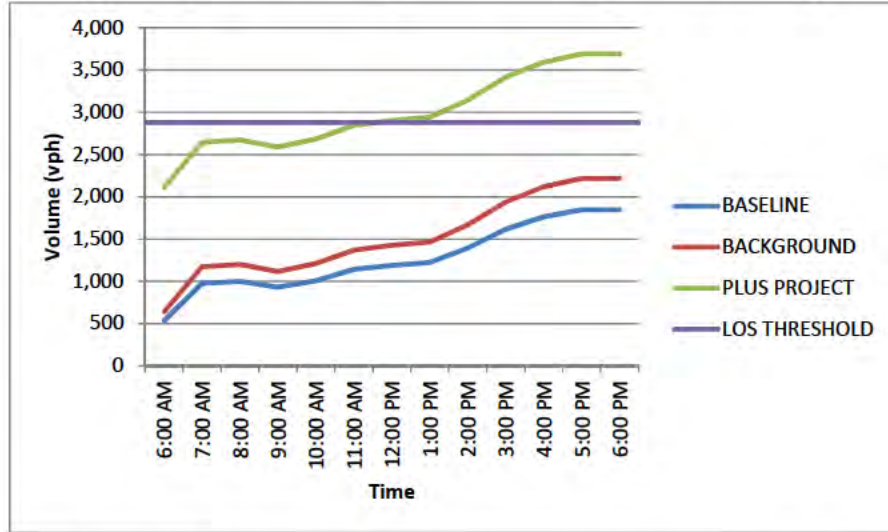


ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

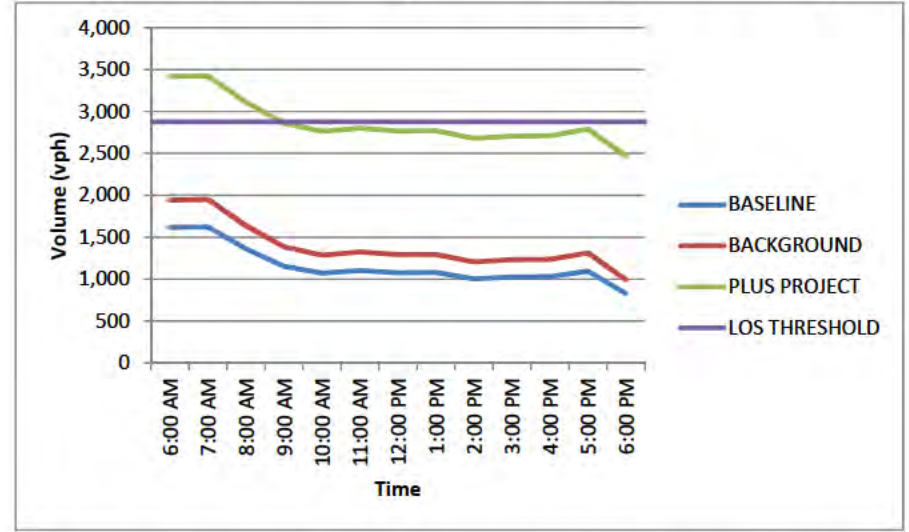


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

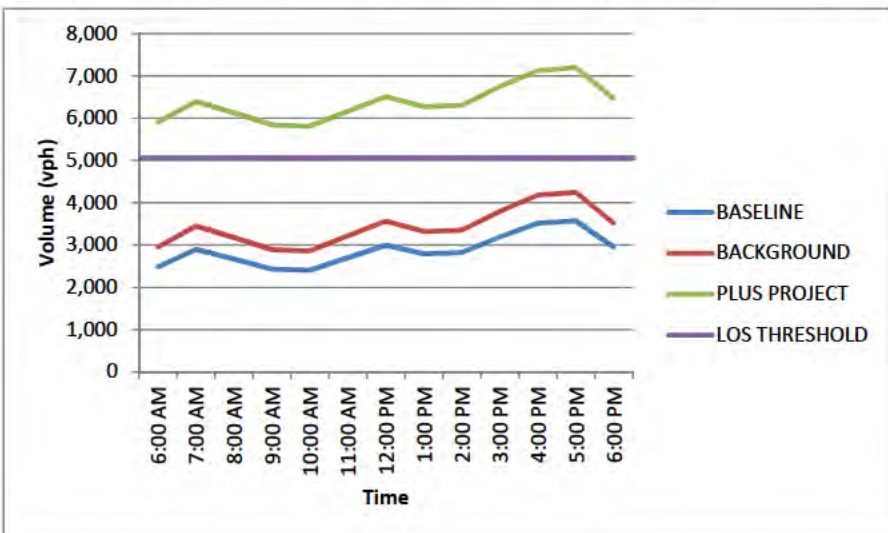
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



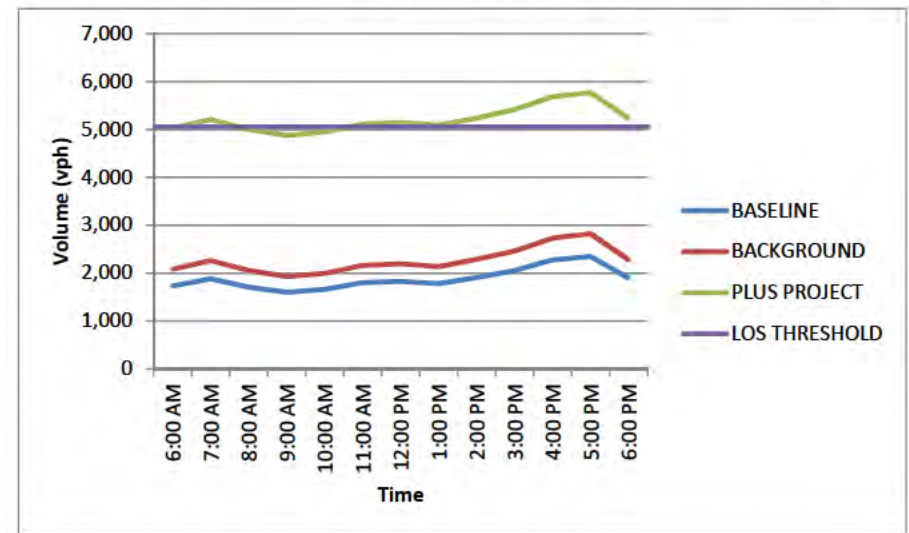
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

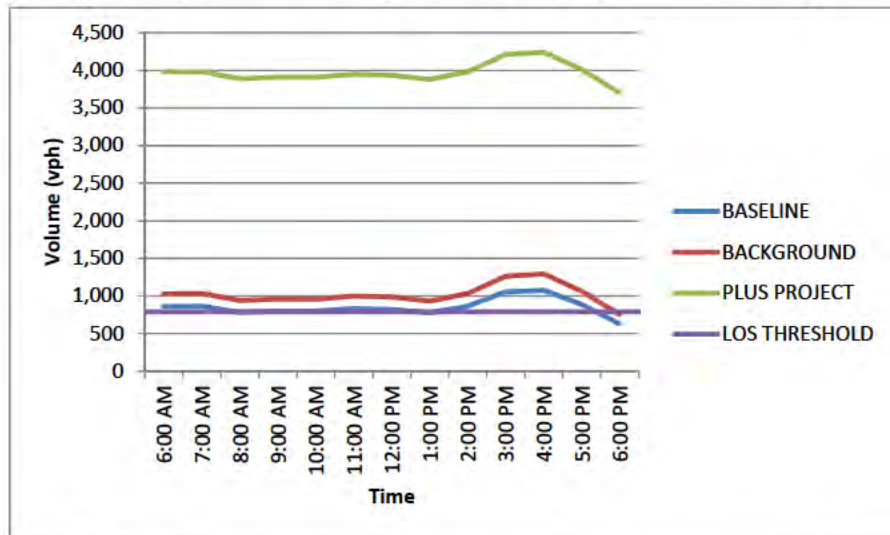


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

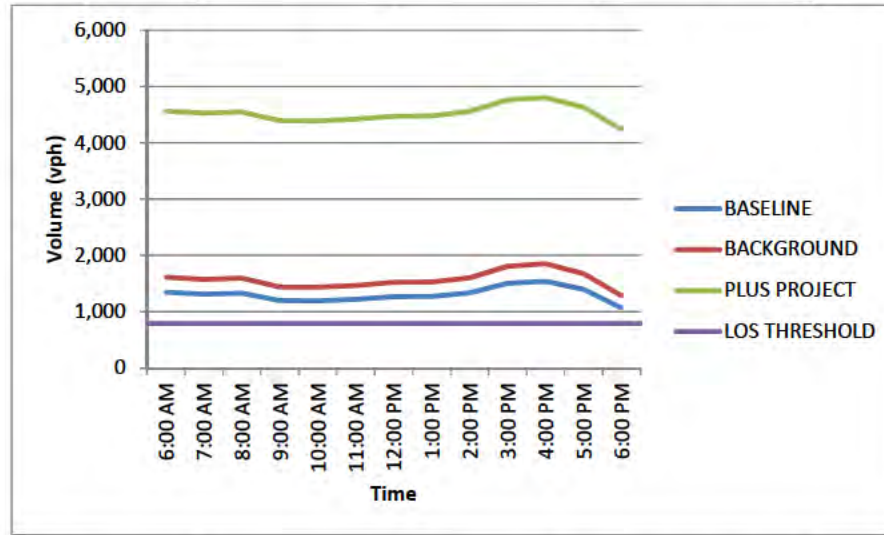


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

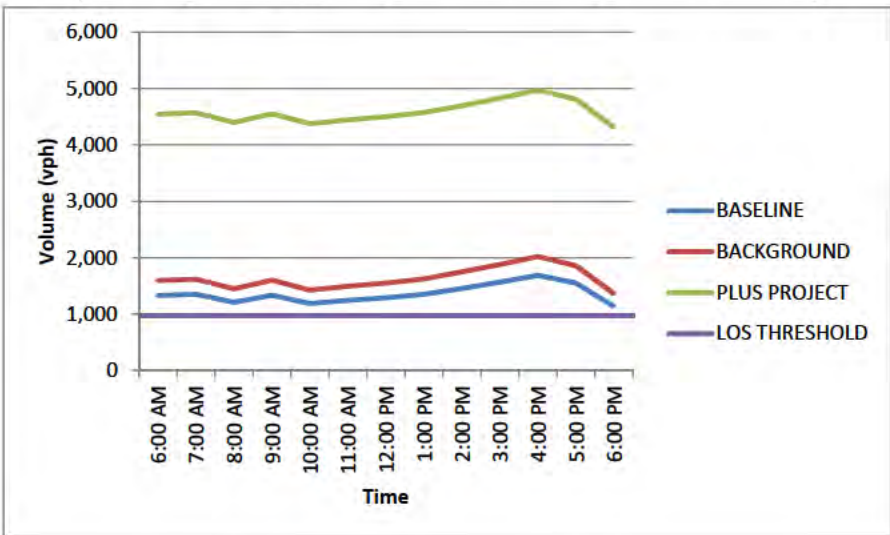
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



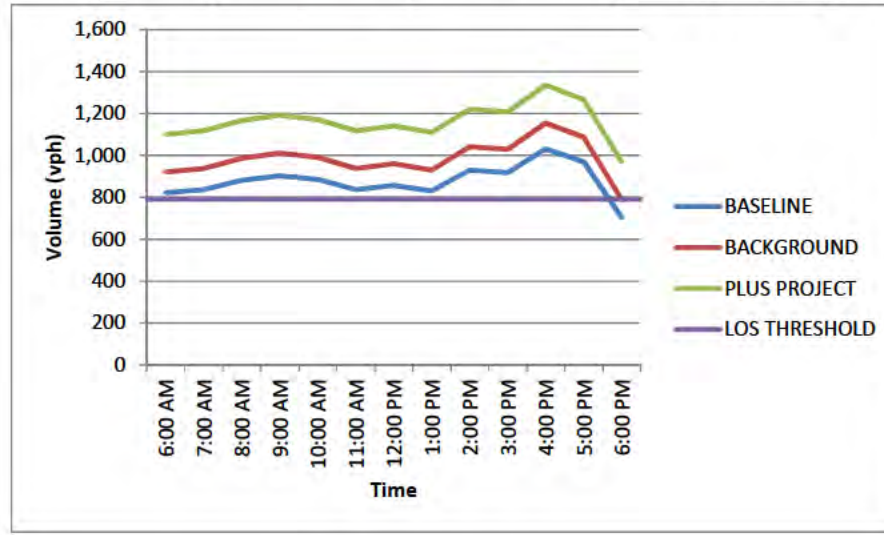
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

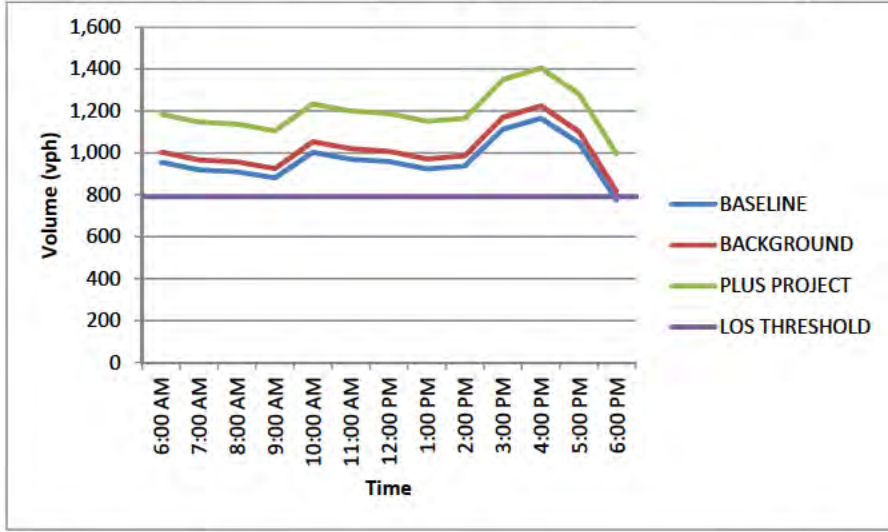


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

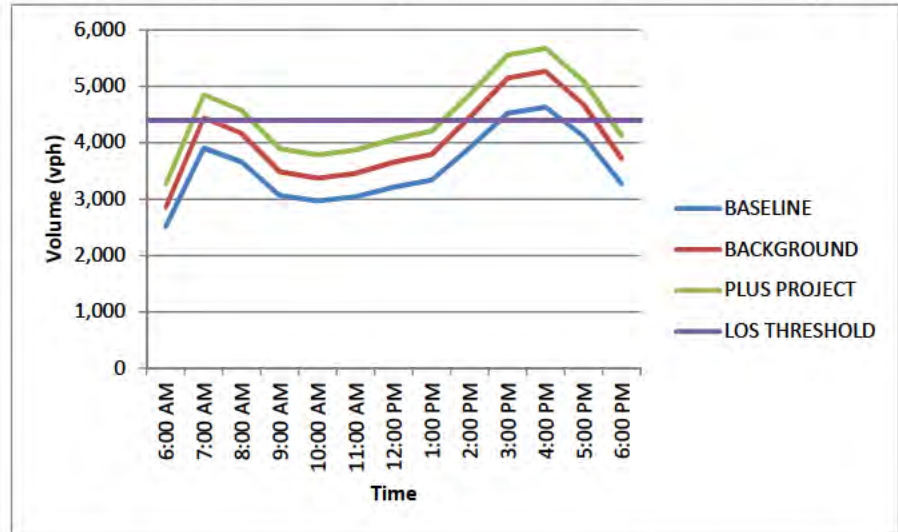


East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Caltrans

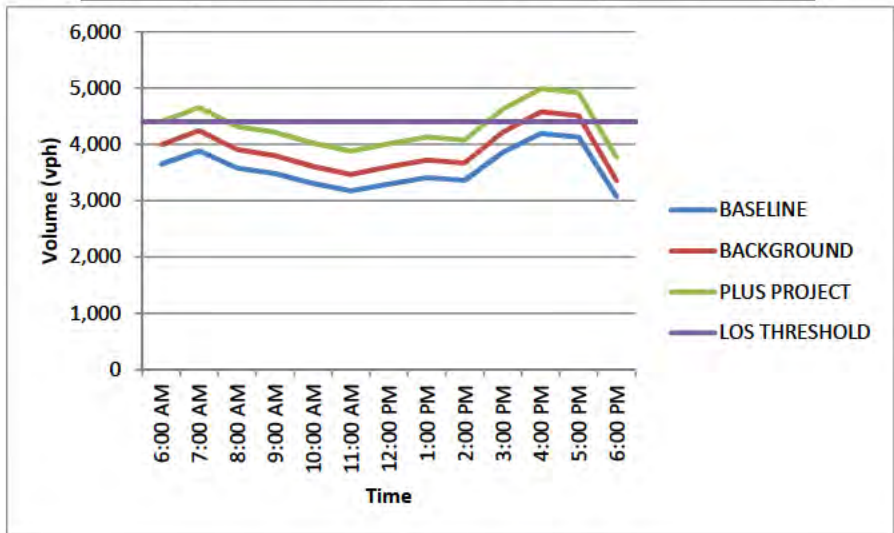
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



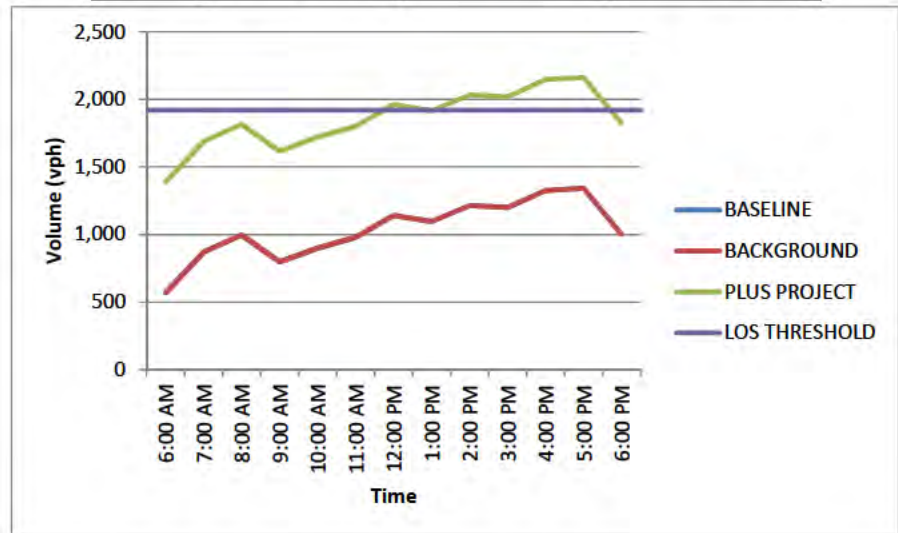
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

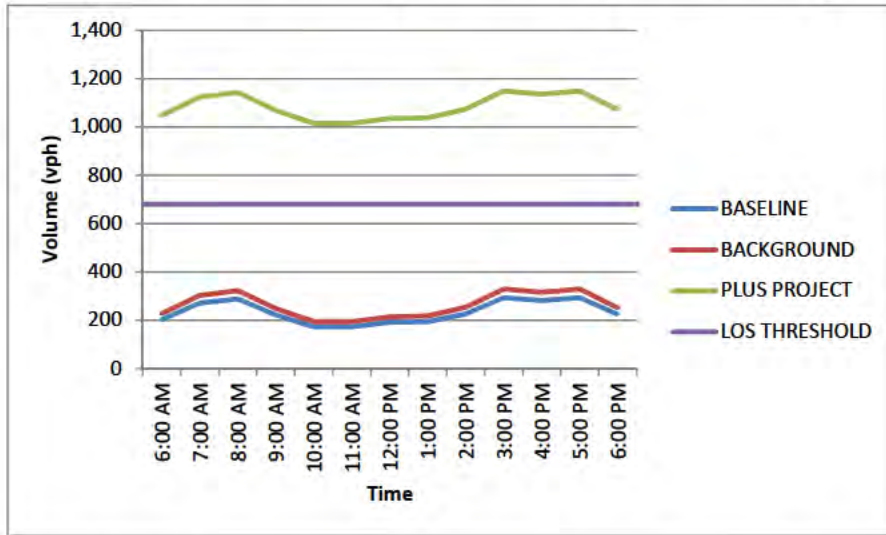


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

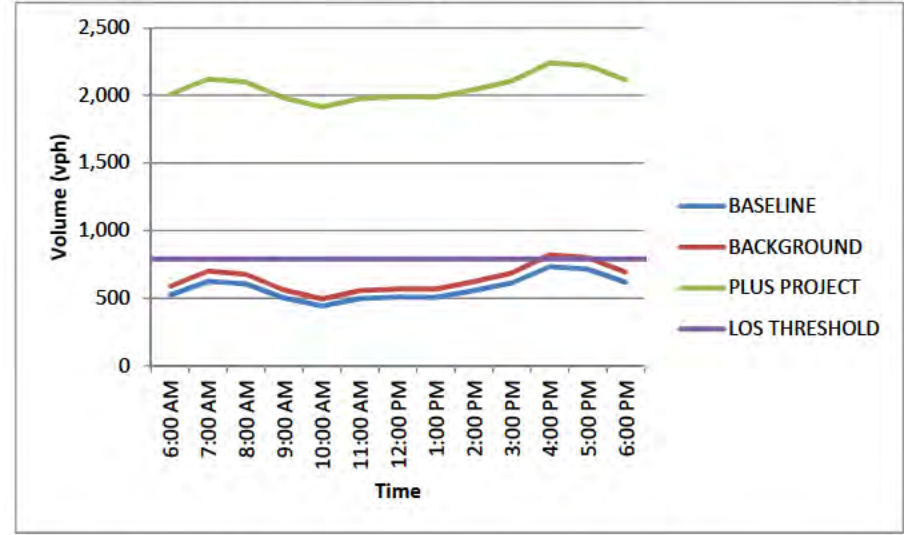


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

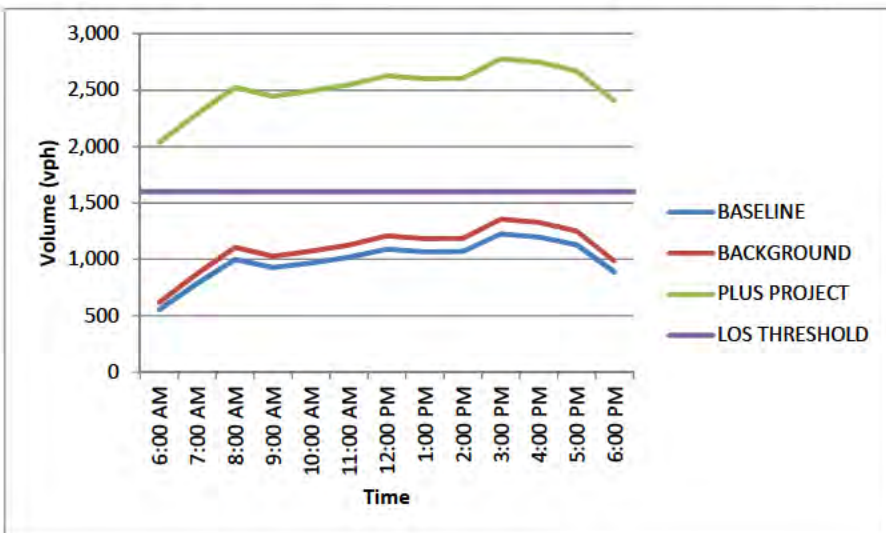
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



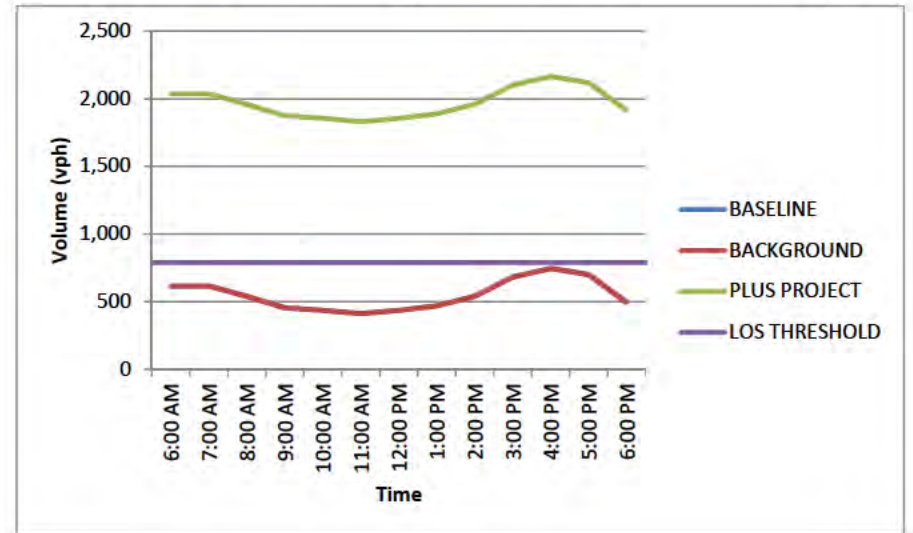
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

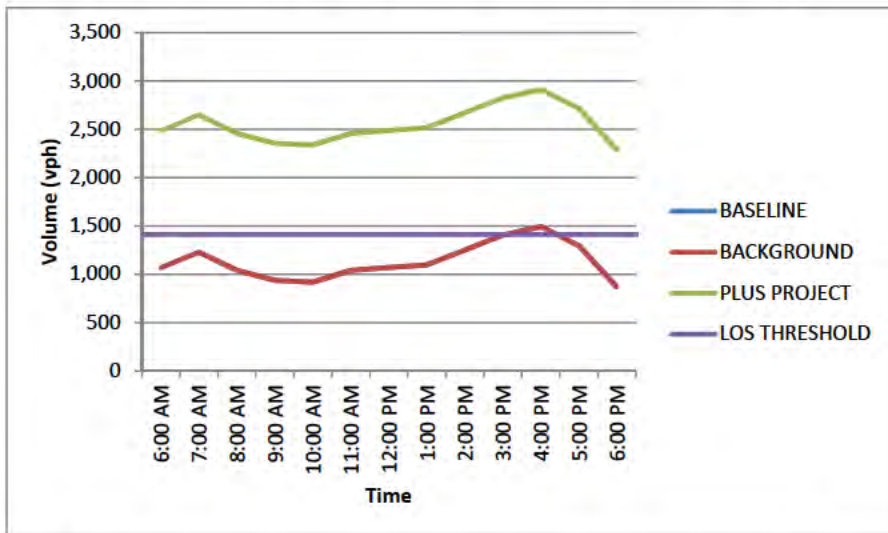


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

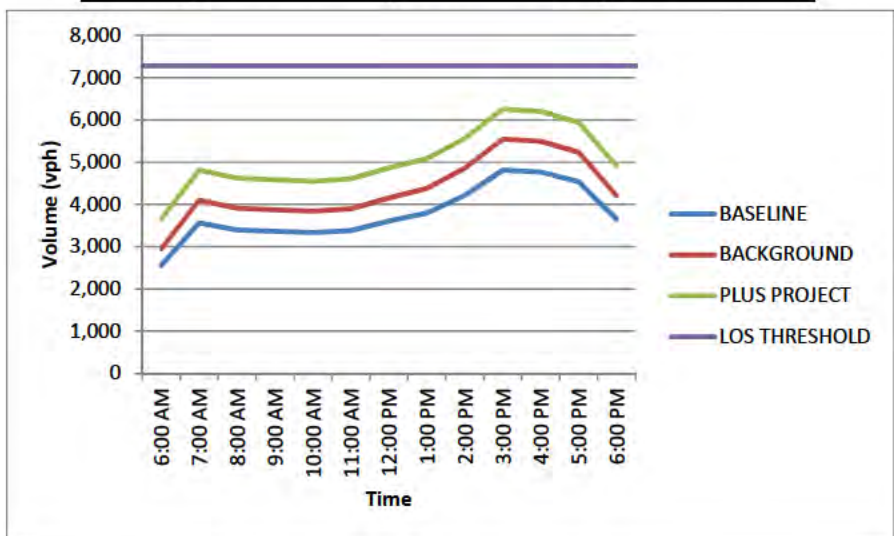


East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Caltrans

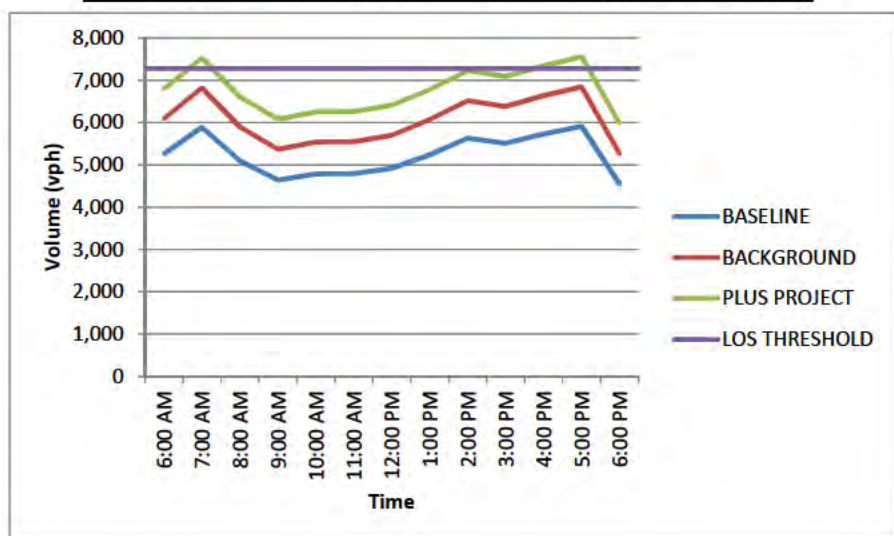
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

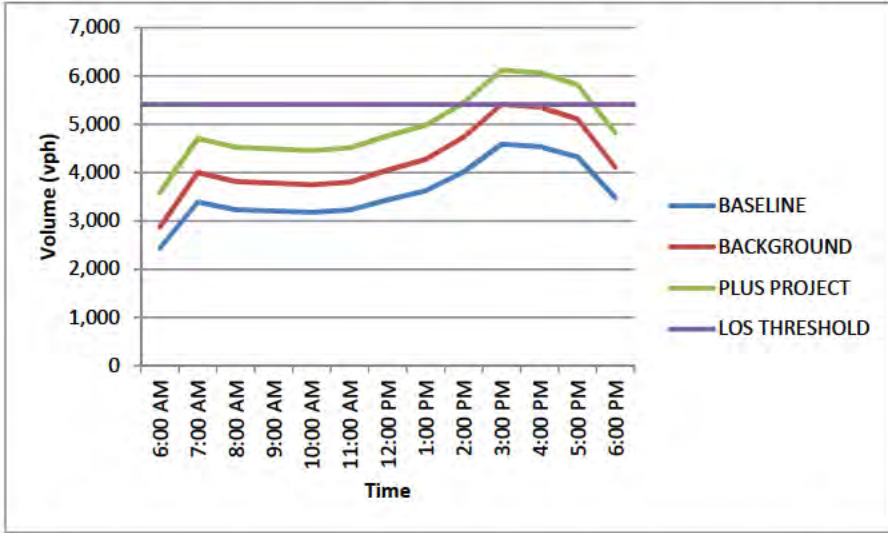


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

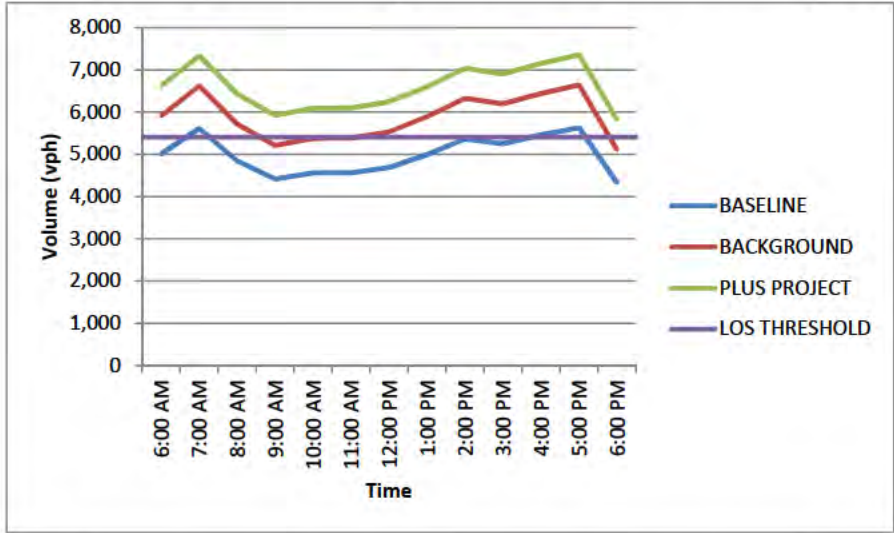


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

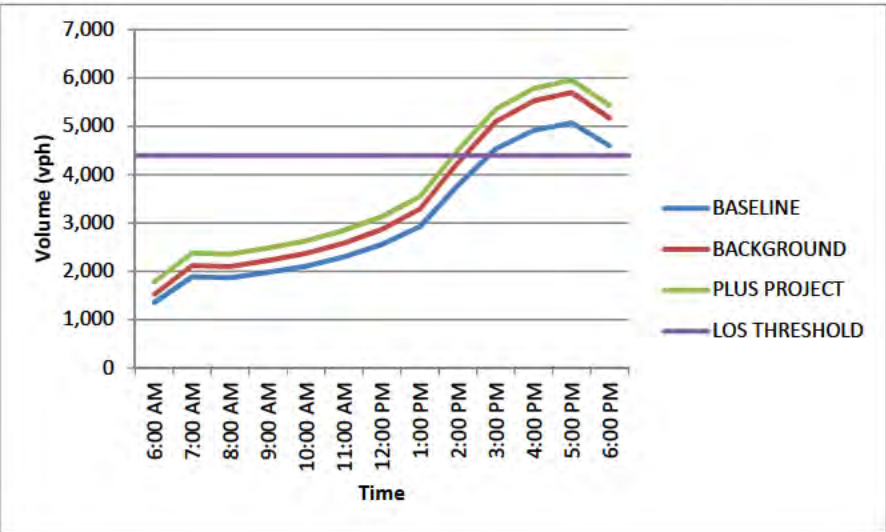
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



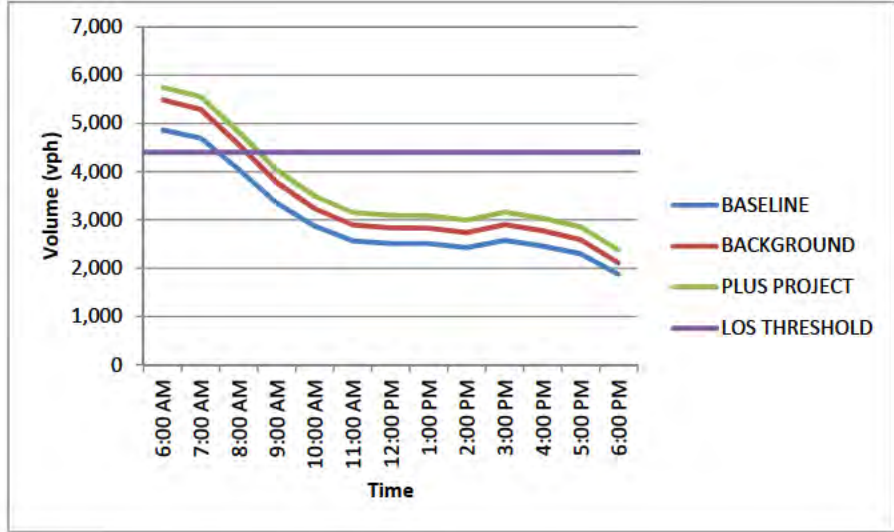
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

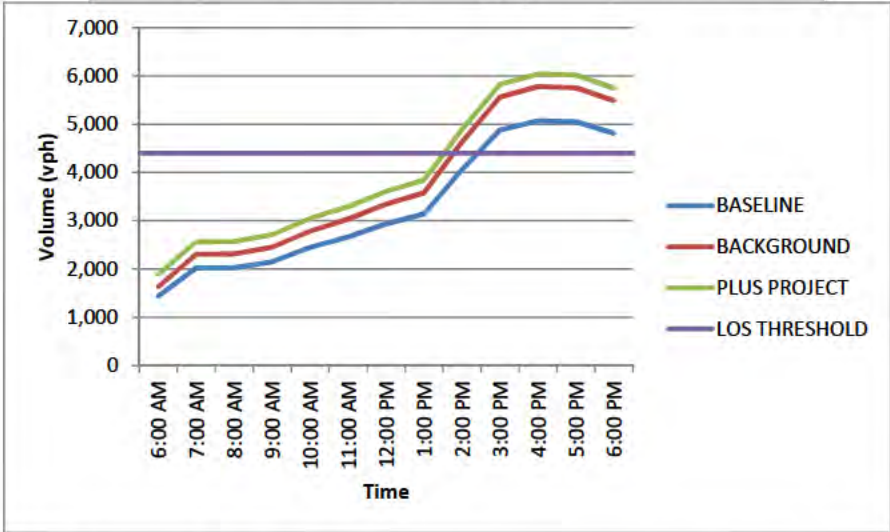


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

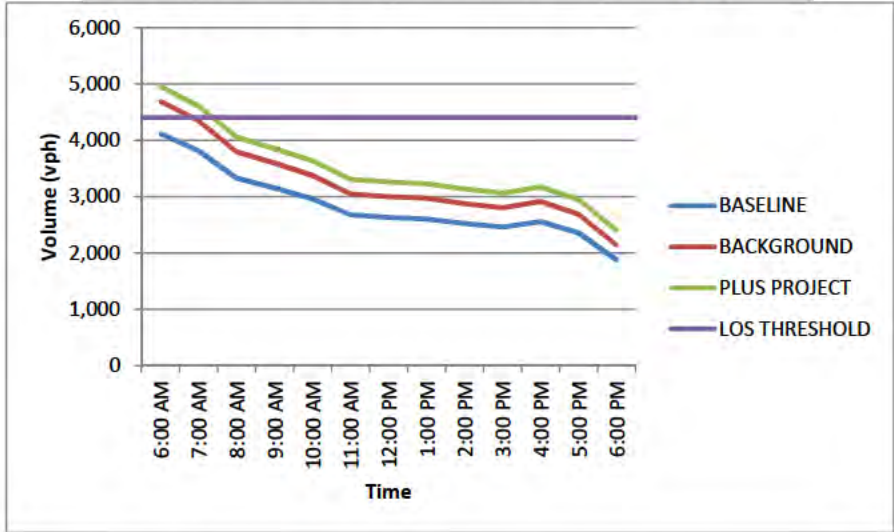


East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Caltrans

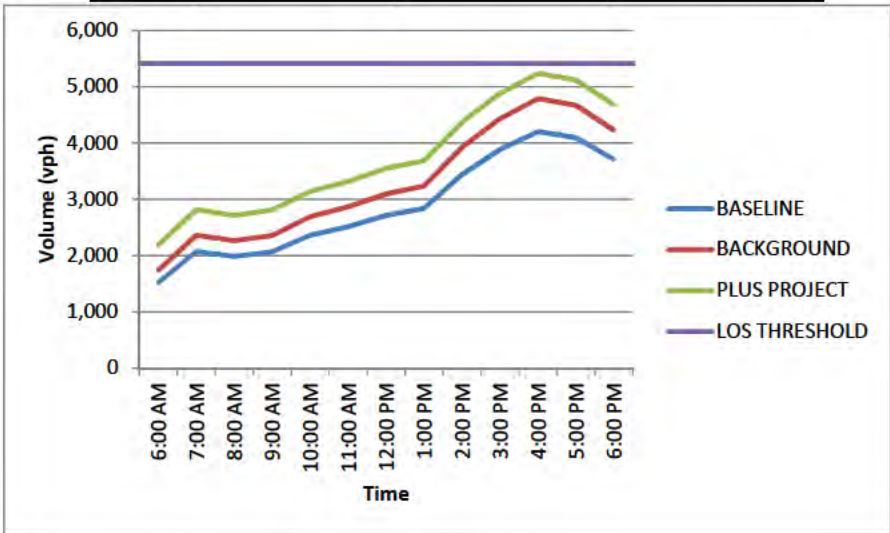
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



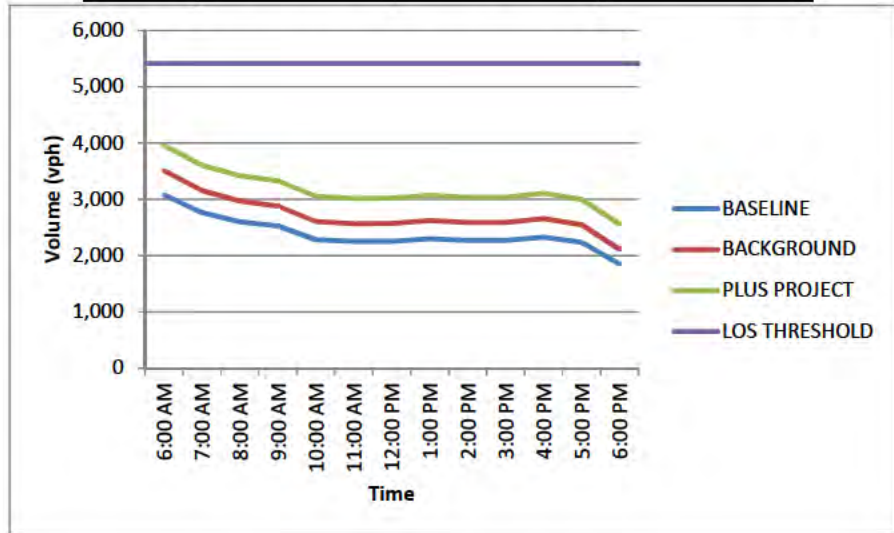
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



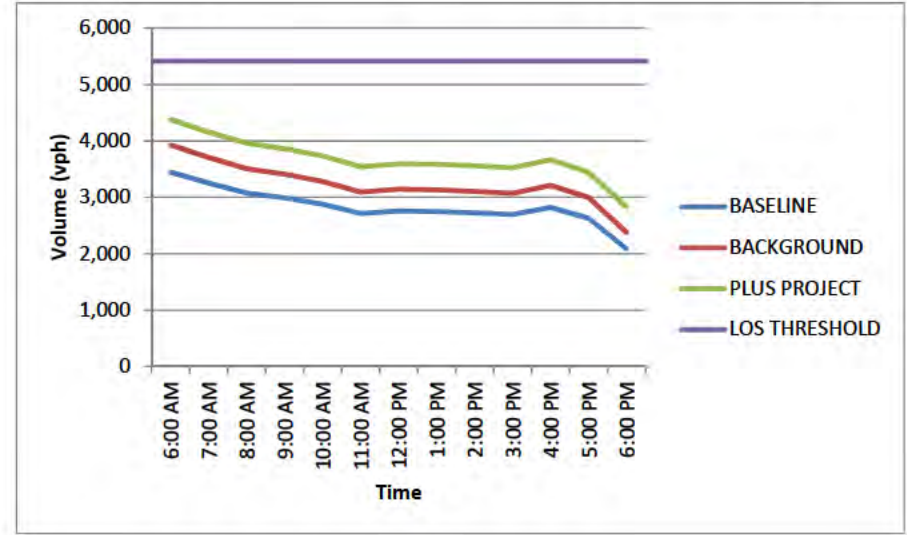
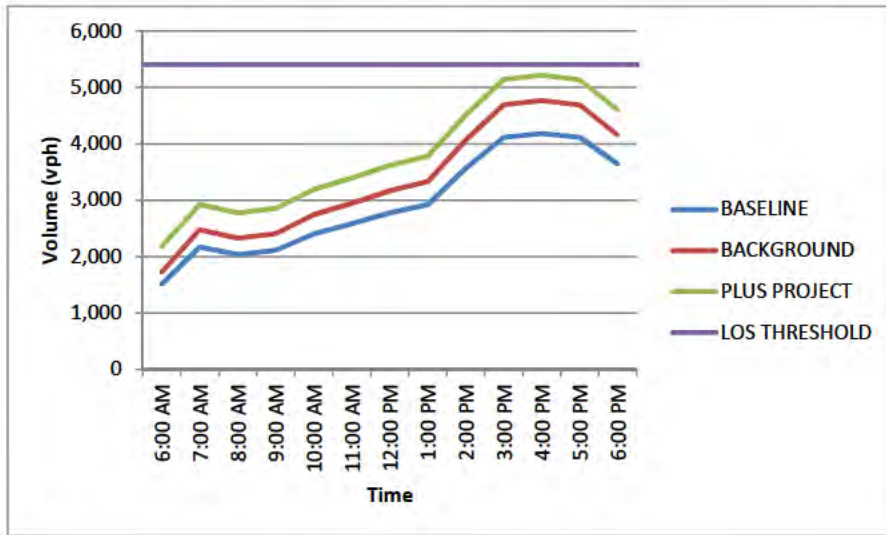
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Caltrans

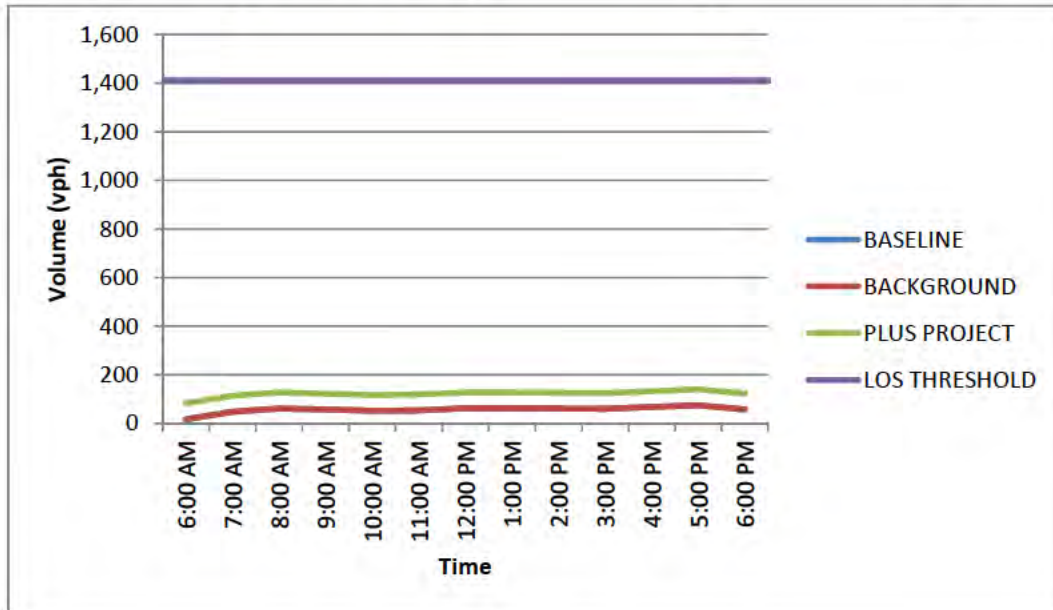
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



East Alignment Alternatives 1B, 2B, and 6B
 Hourly Roadway Volumes and LOS Threshold - Isleton

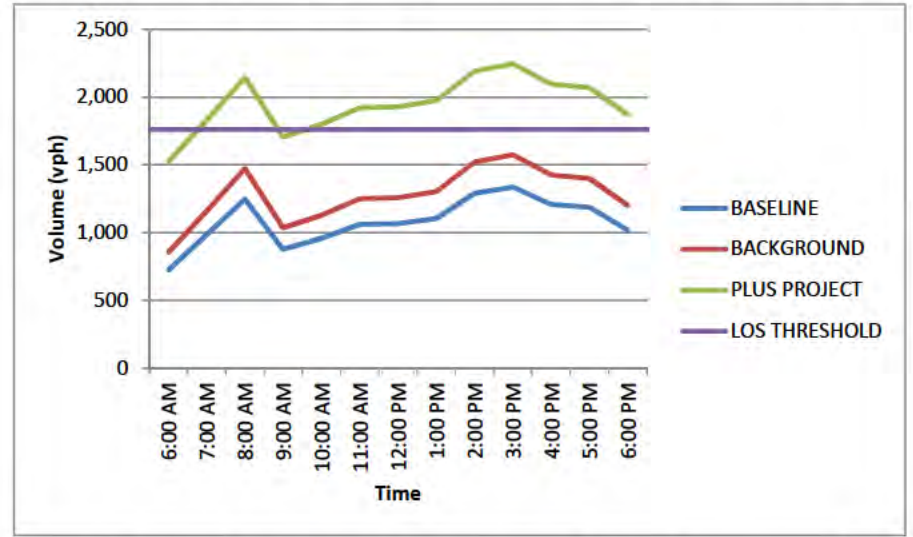
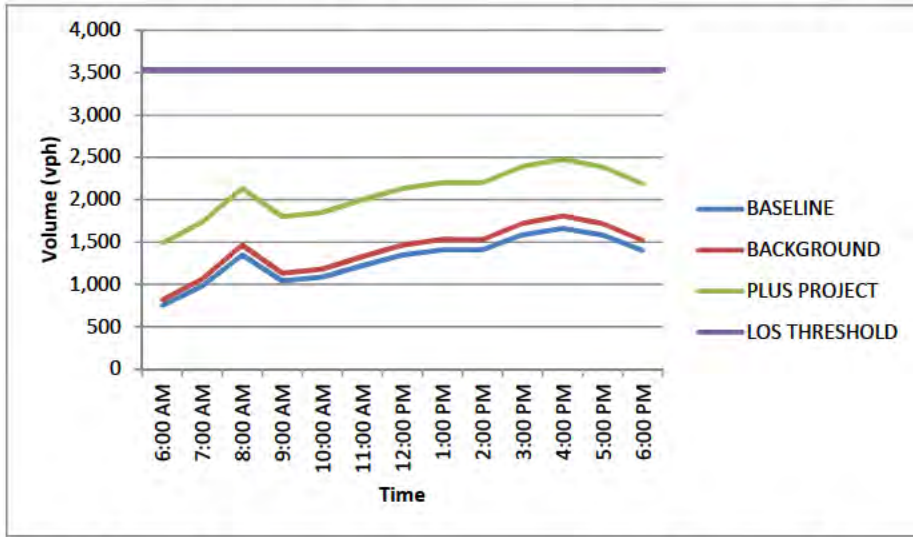
ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits



East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Oakley

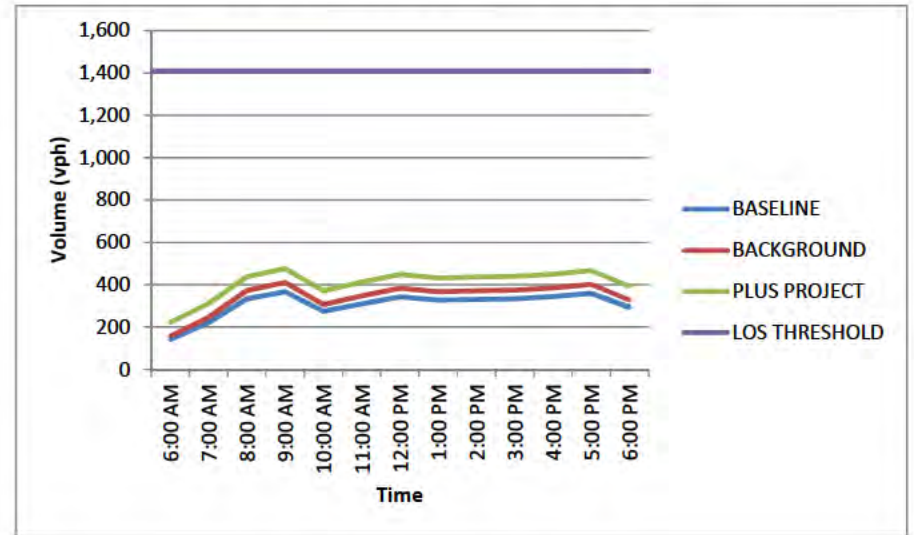
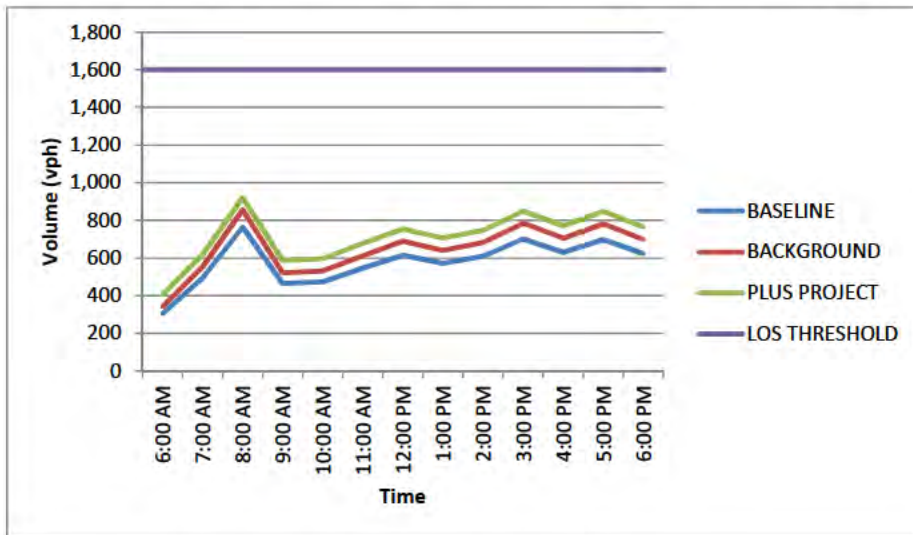
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd

ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



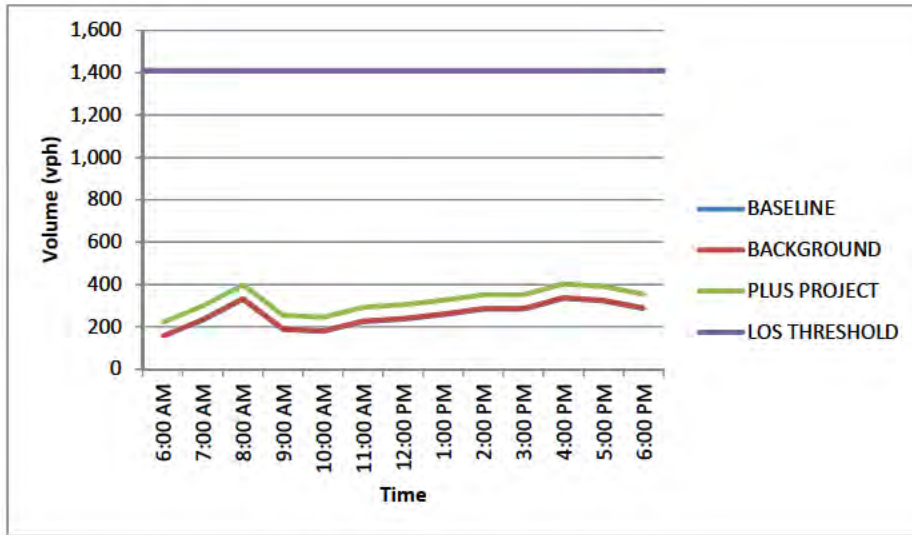
ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



East Alignment Alternatives 1B, 2B, and 6B
 Hourly Roadway Volumes and LOS Threshold - Oakley

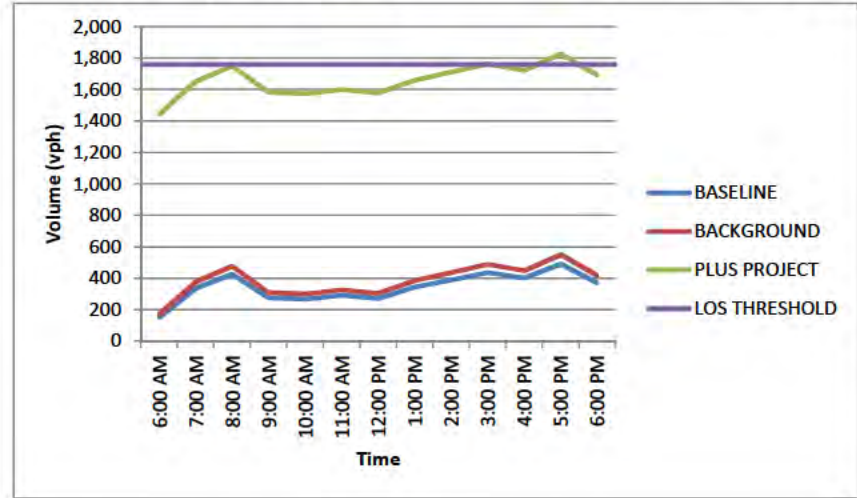
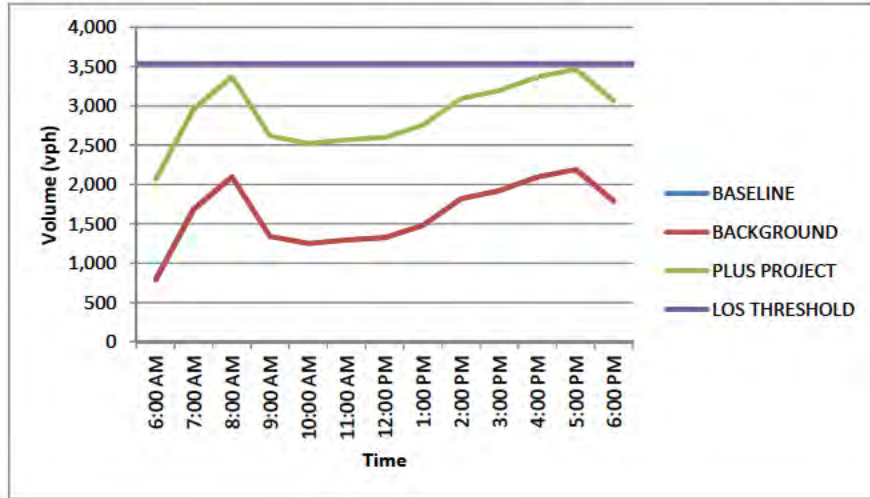
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - City of Sacramento

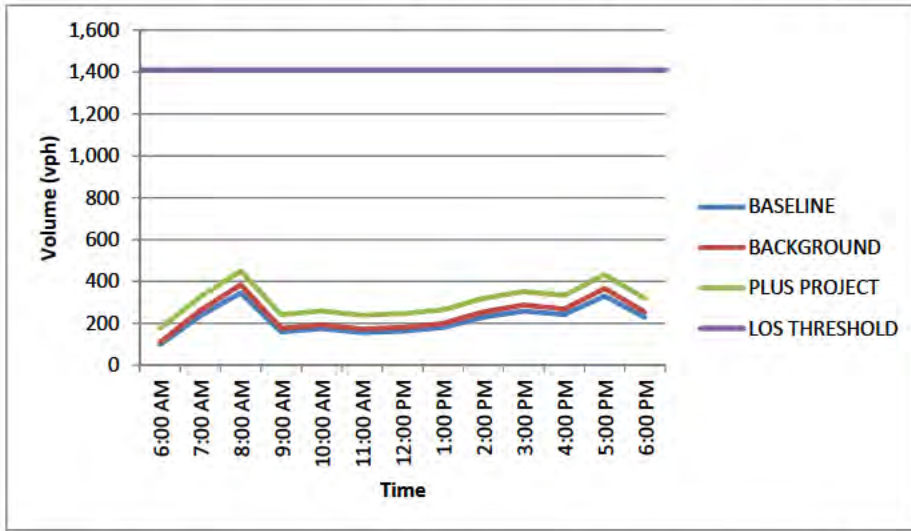
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

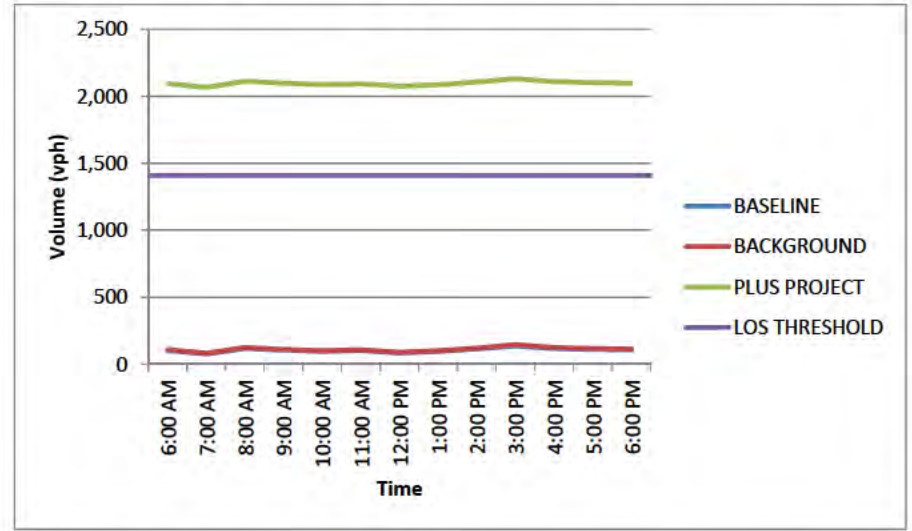


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Sacramento County

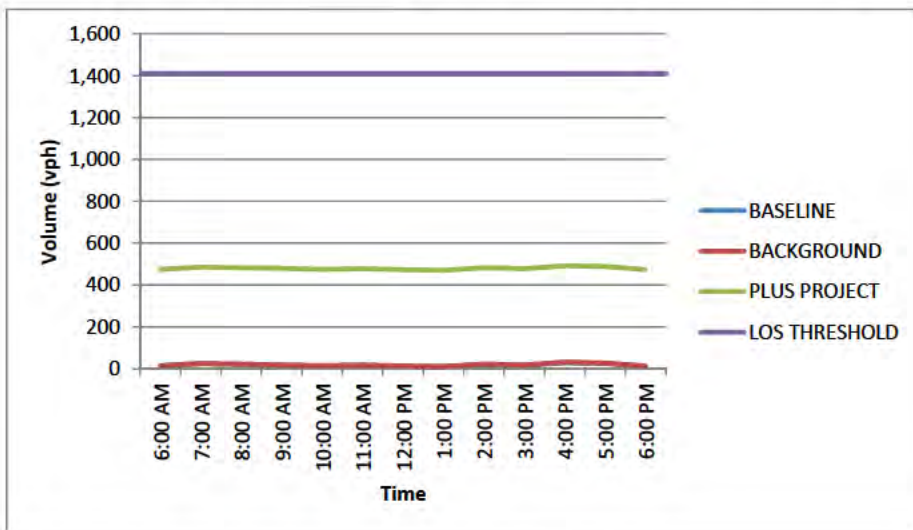
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



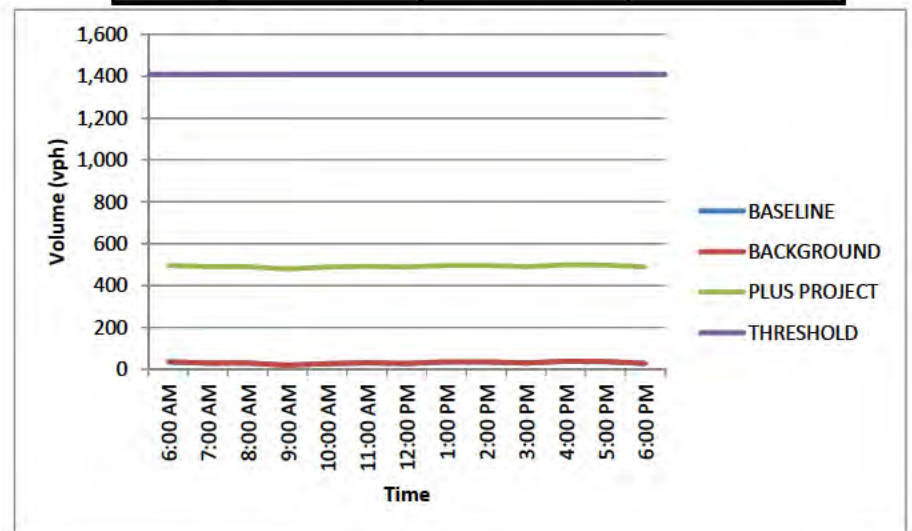
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd

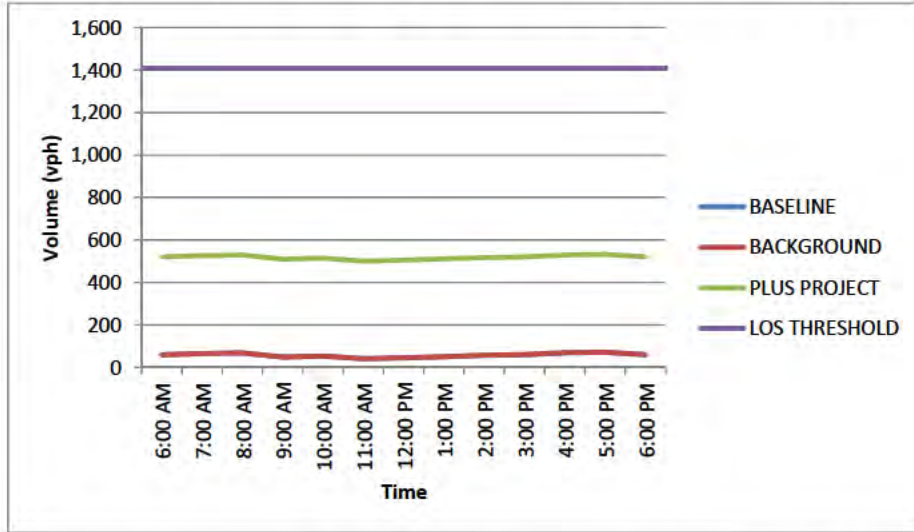


ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd

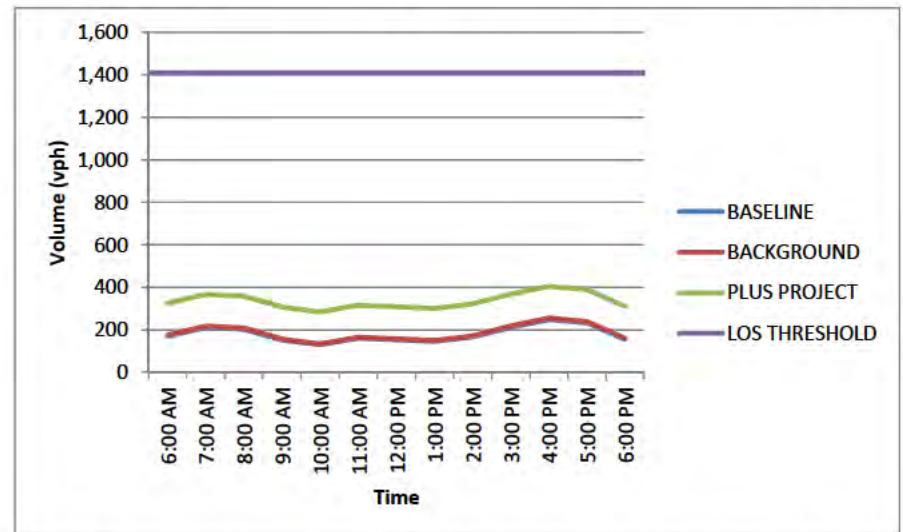


East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Sacramento County

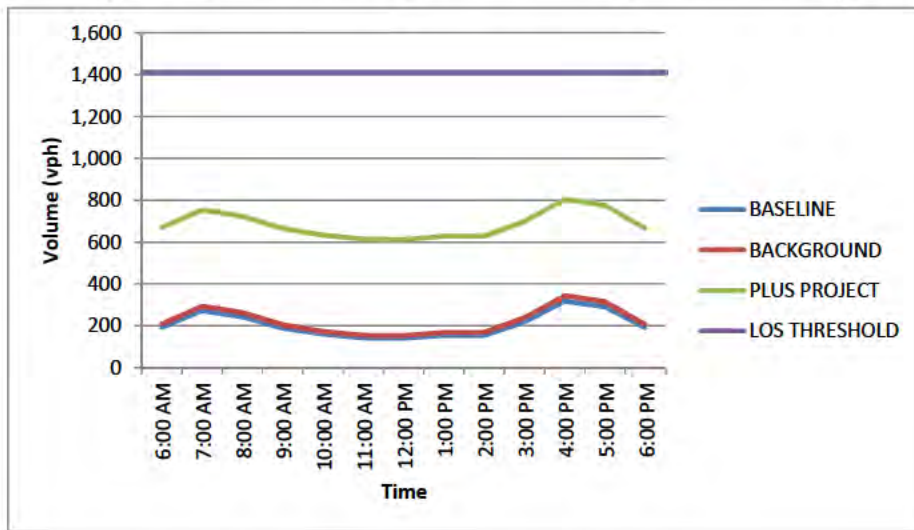
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd



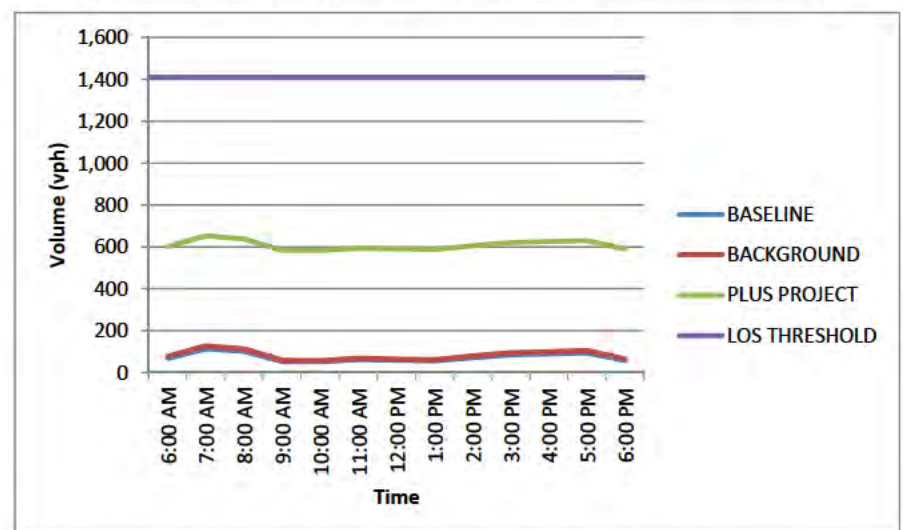
ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd

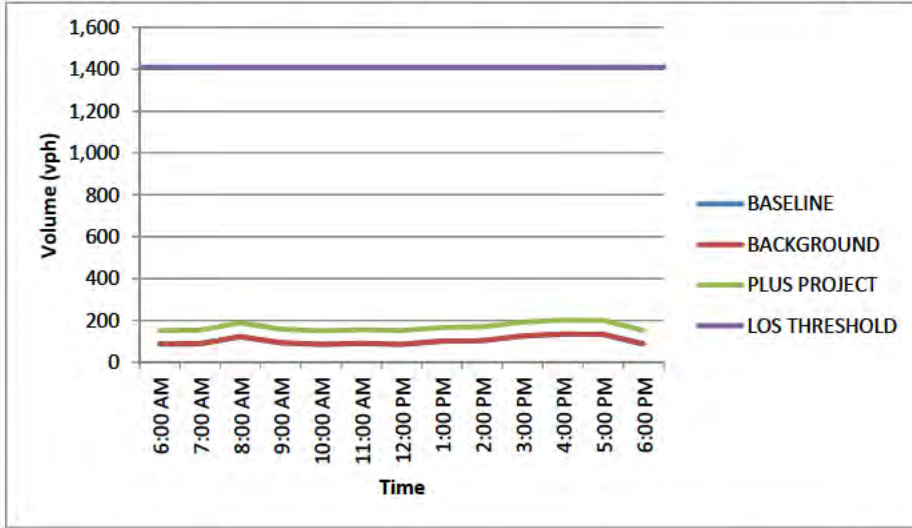


ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge

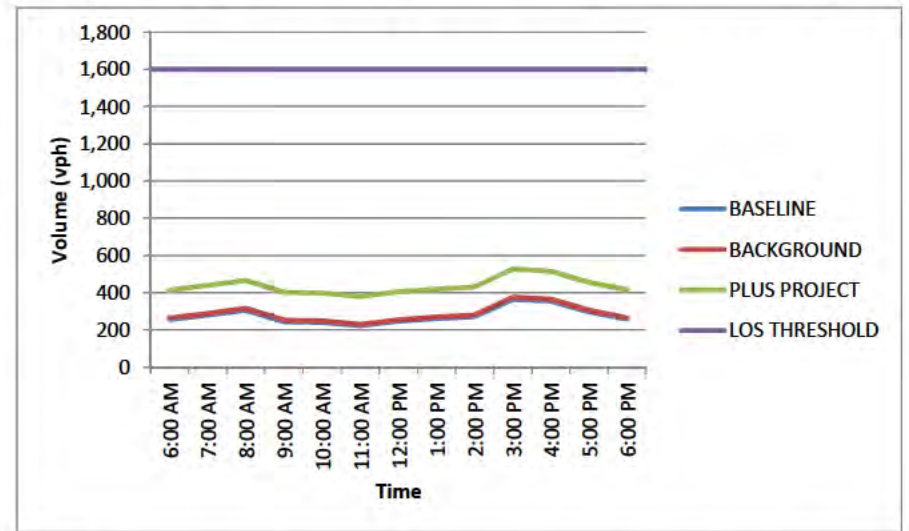


East Alignment Alternatives 1B, 2B, and 6B Hourly Roadway Volumes and LOS Threshold - Sacramento County

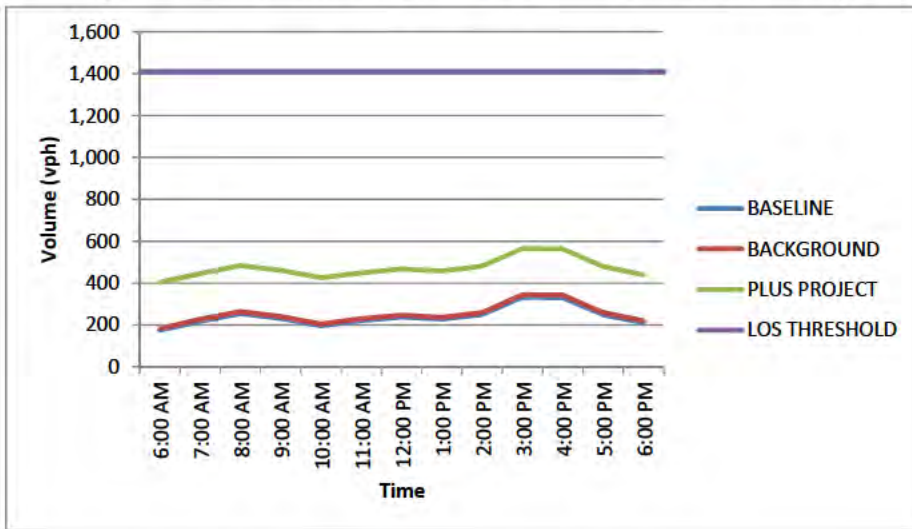
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd



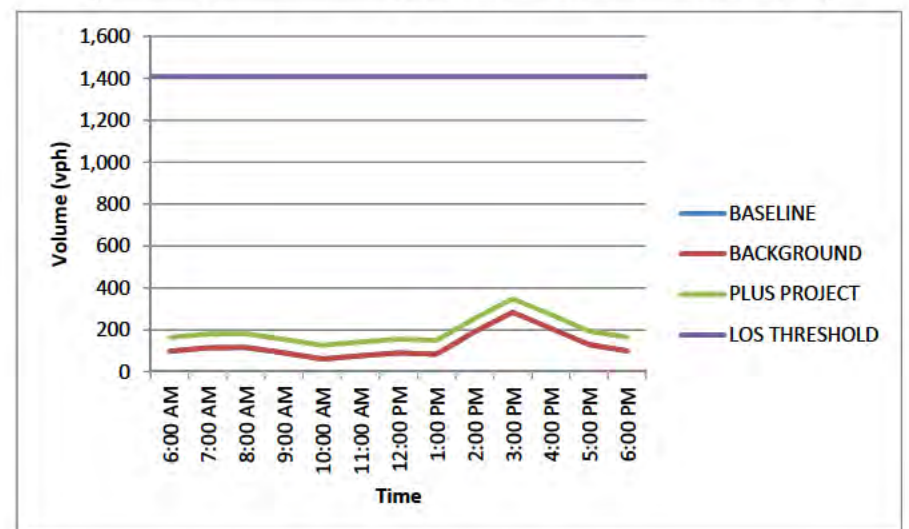
ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

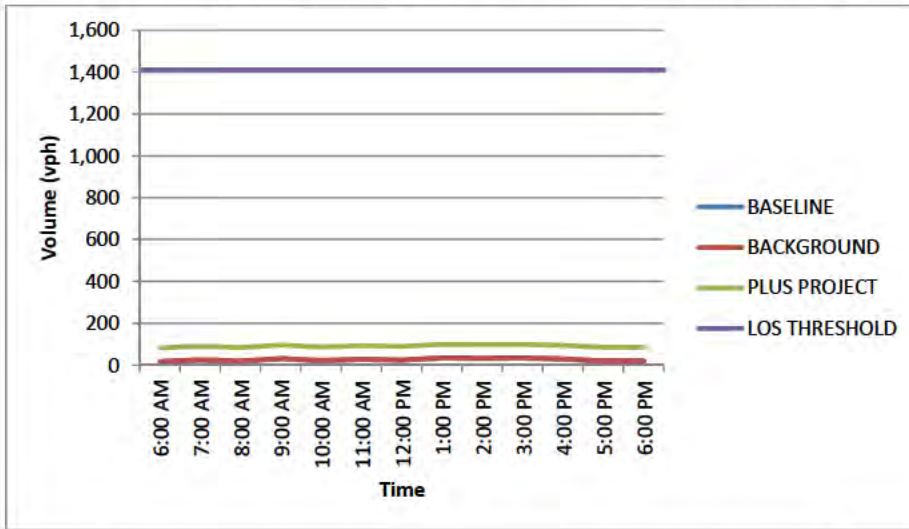


ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge

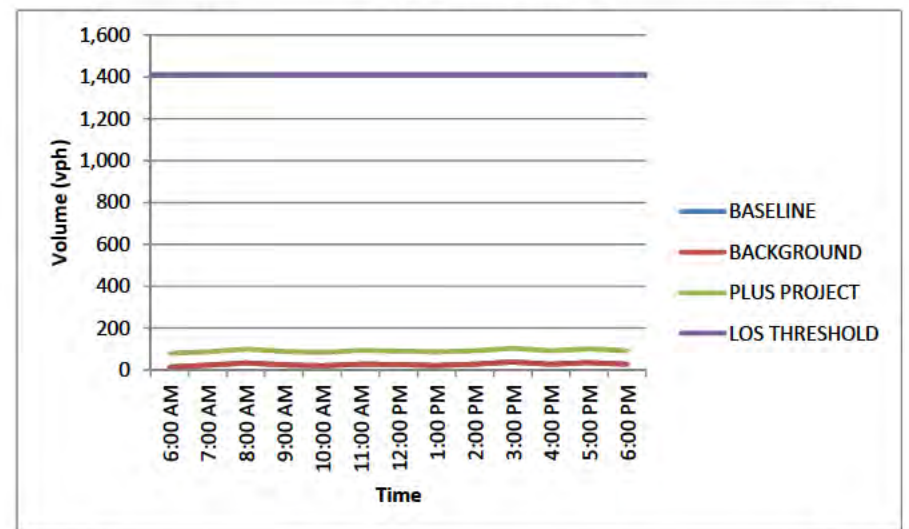


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Sacramento County

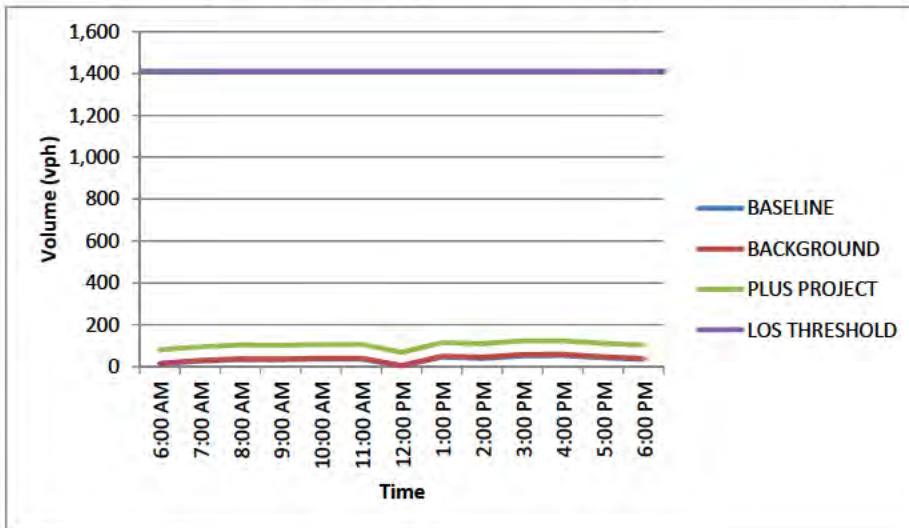
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island



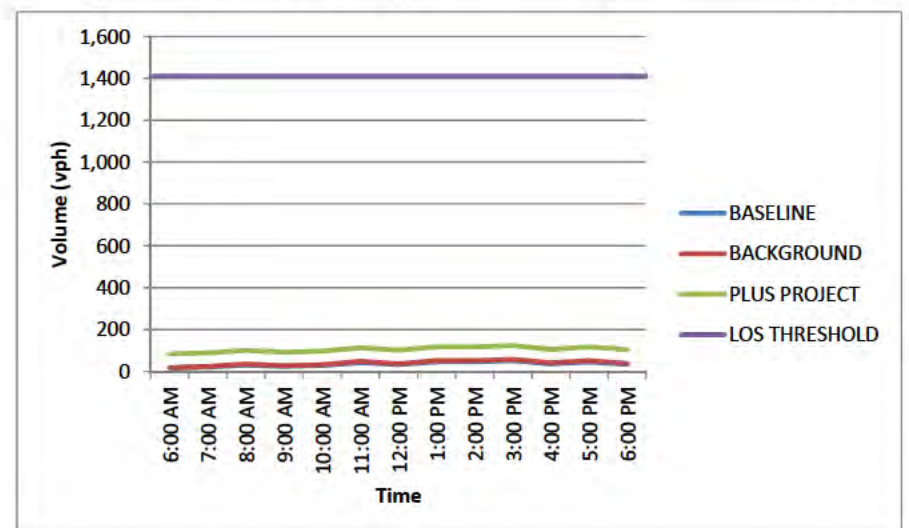
ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

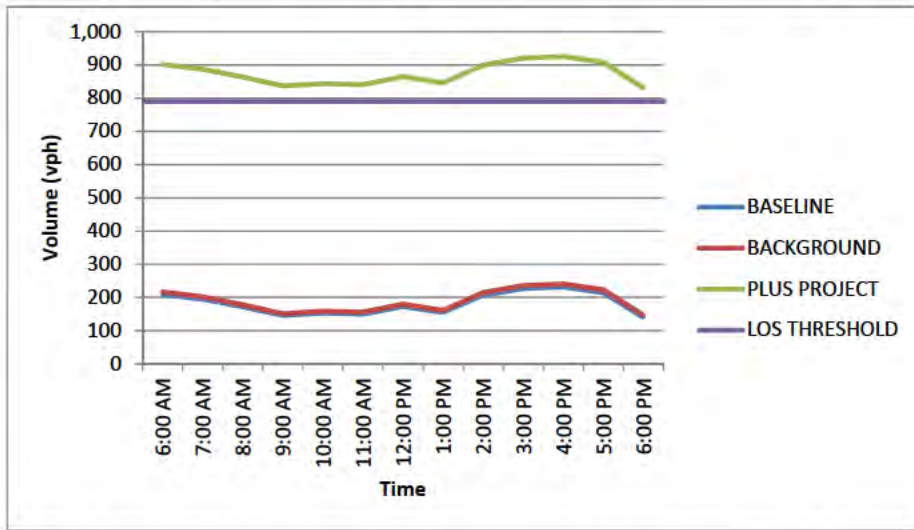


ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

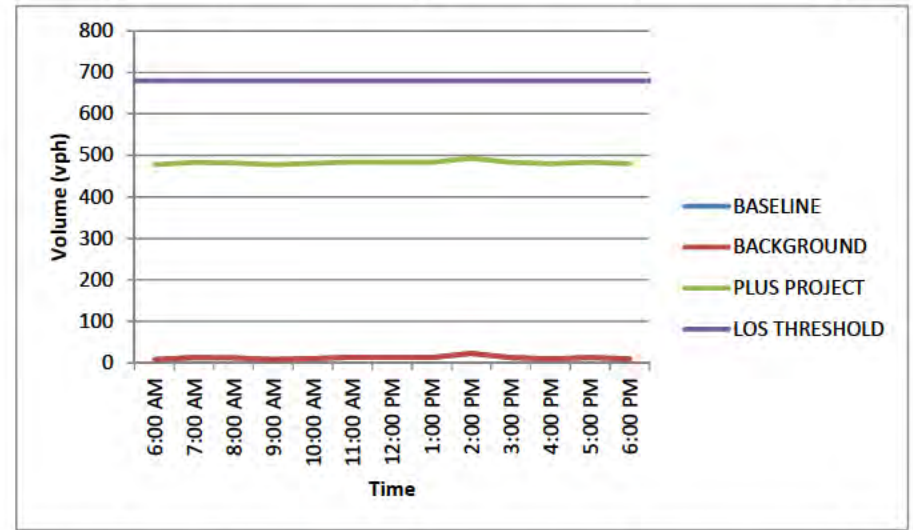


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - San Joaquin County

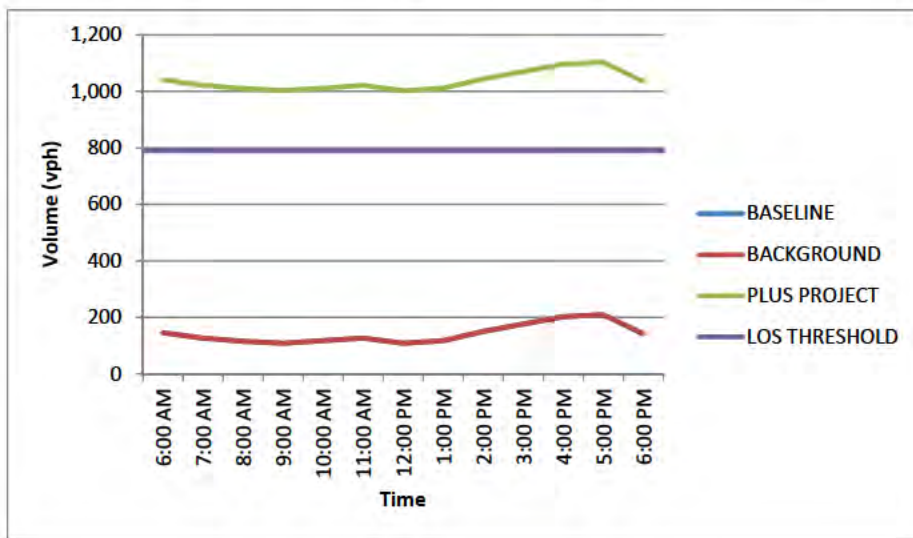
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



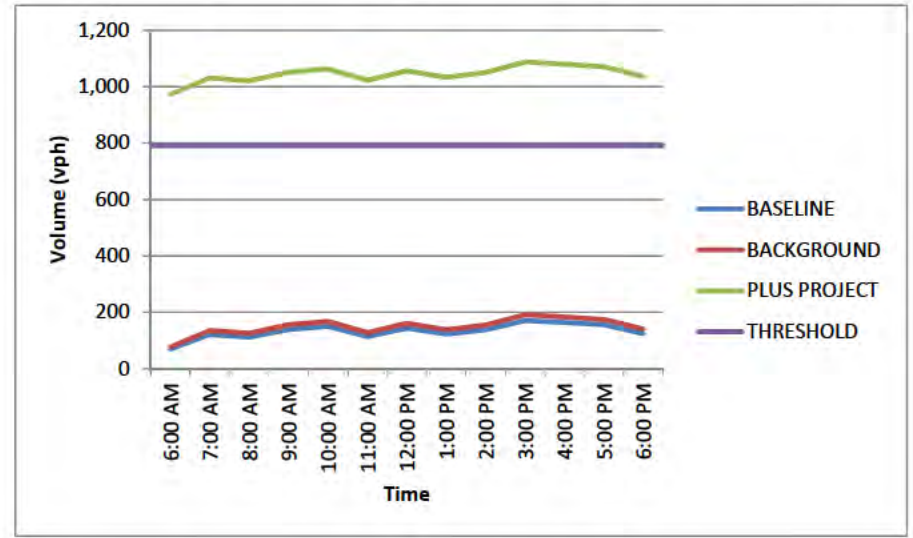
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

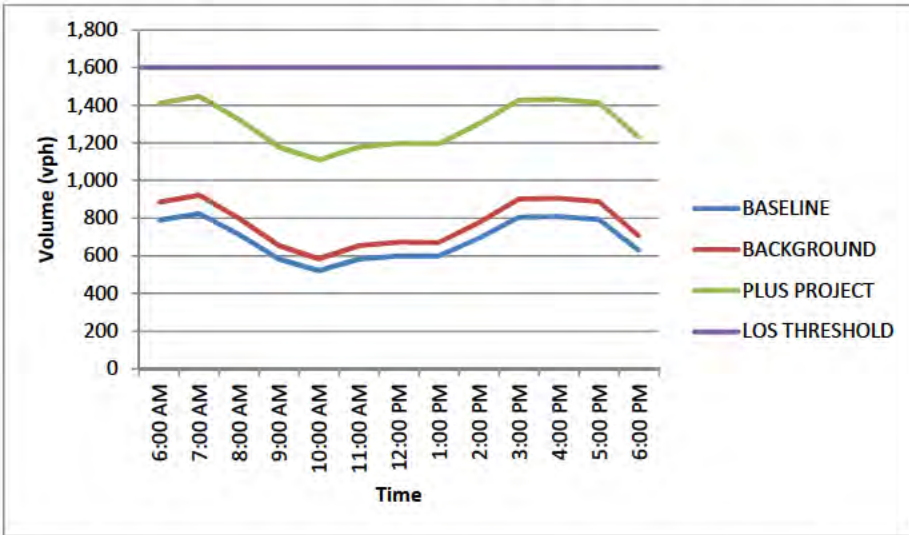


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

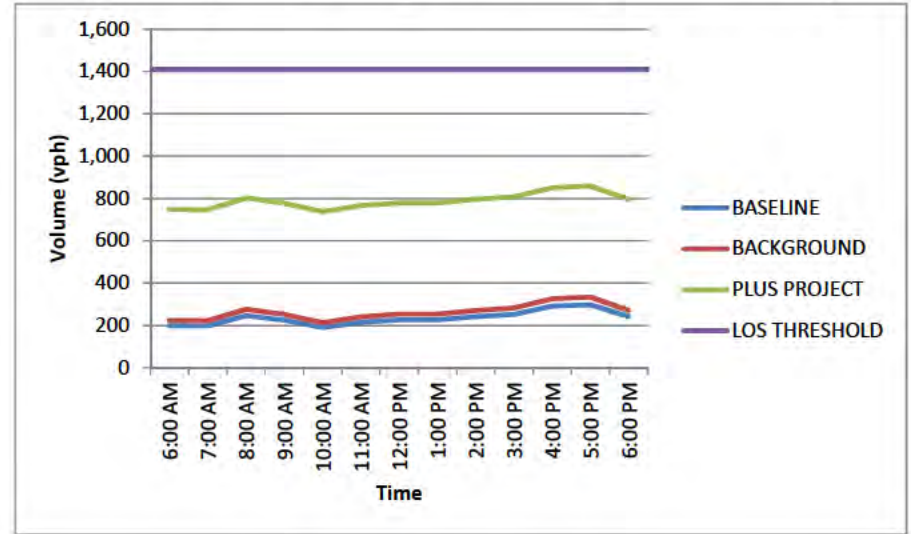


East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - San Joaquin County

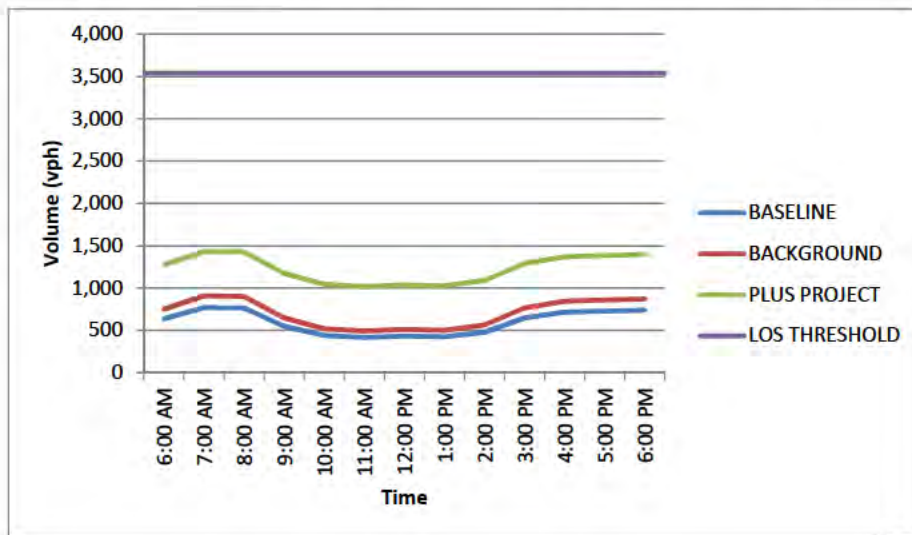
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

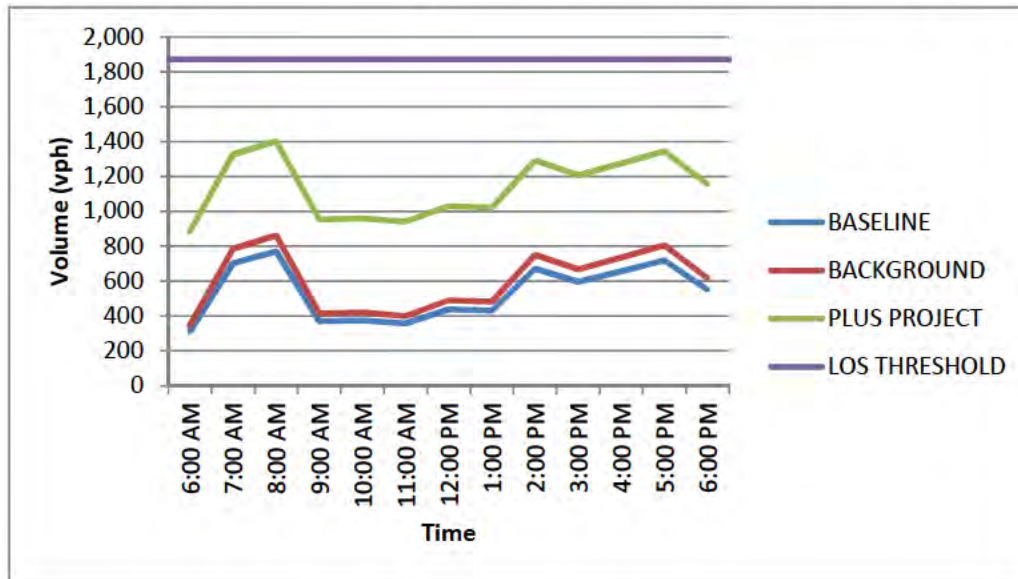


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



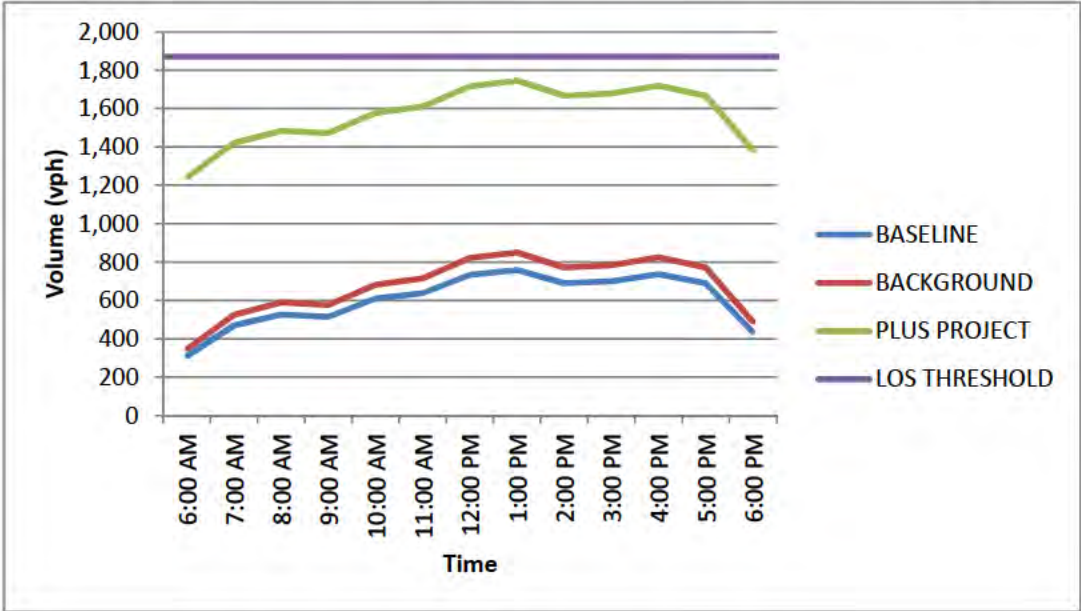
East Alignment Alternatives 1B, 2B, and 6B
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



East Alignment Alternatives 1B, 2B, and 6B
 Hourly Roadway Volumes and LOS Threshold - City of Tracy

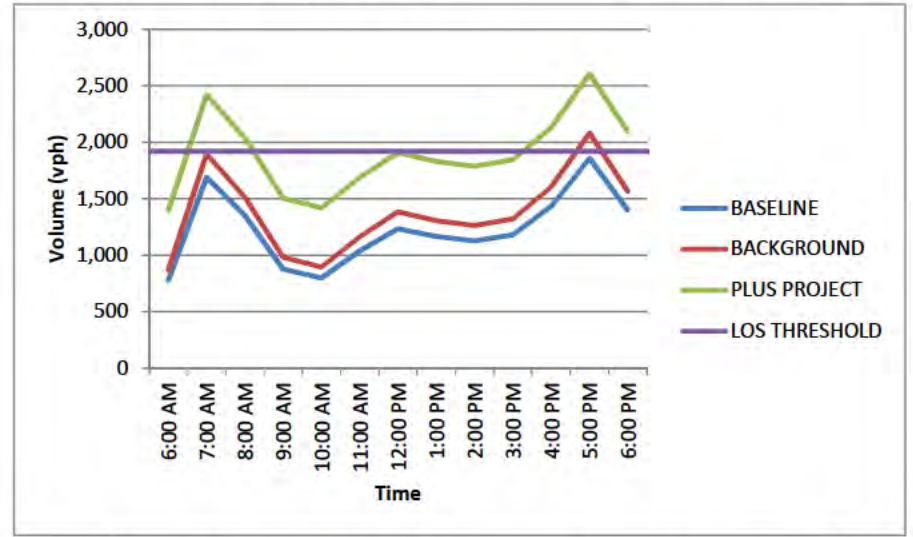
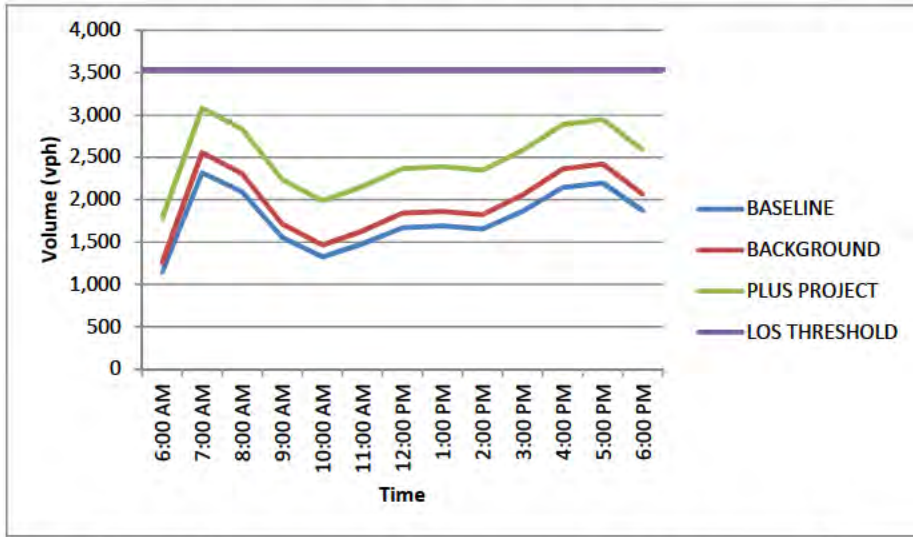
ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205



East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - West Sacramento

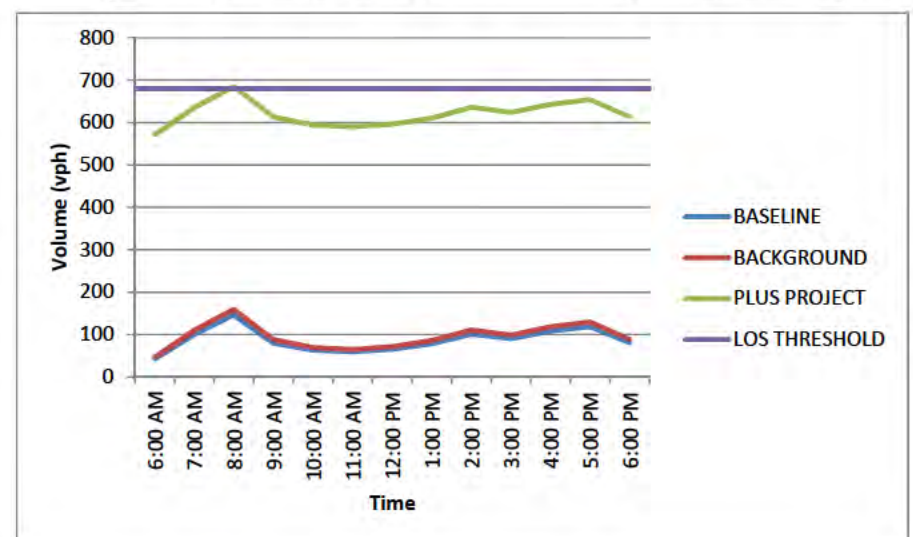
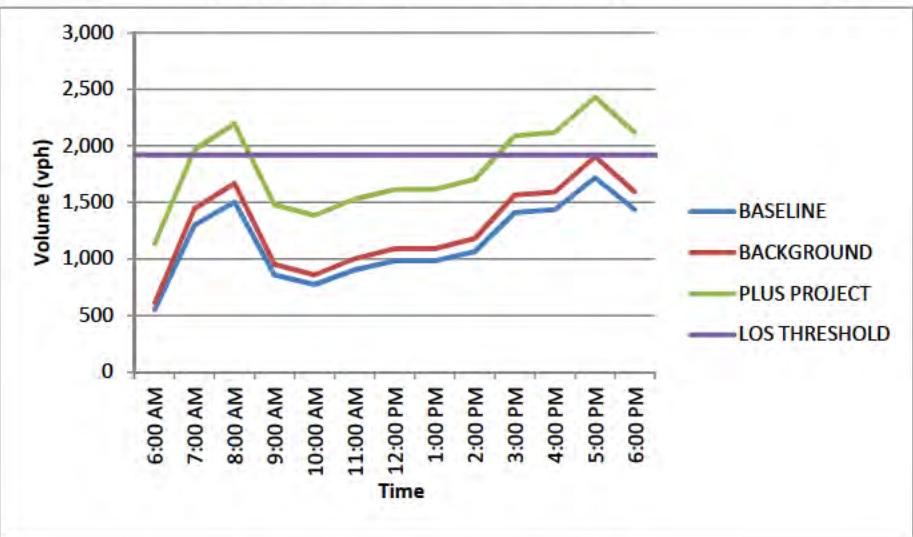
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50

ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy

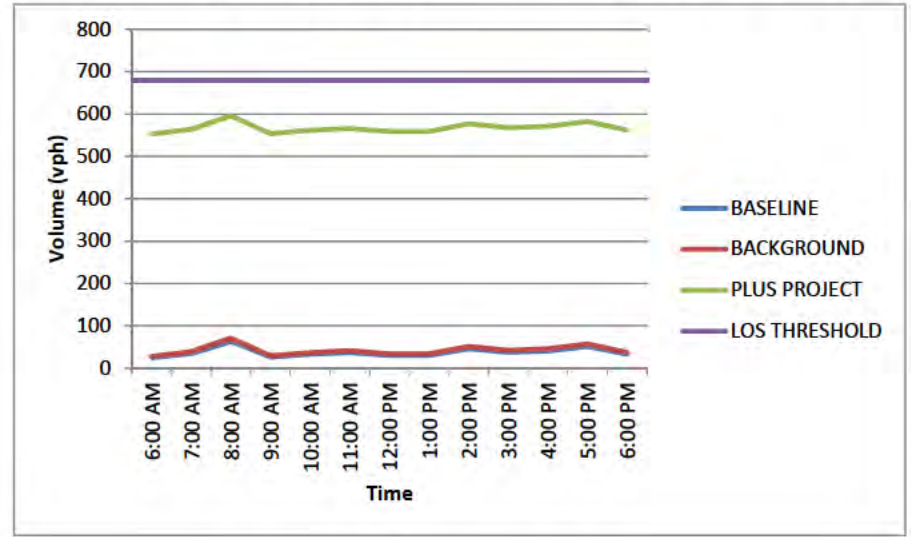
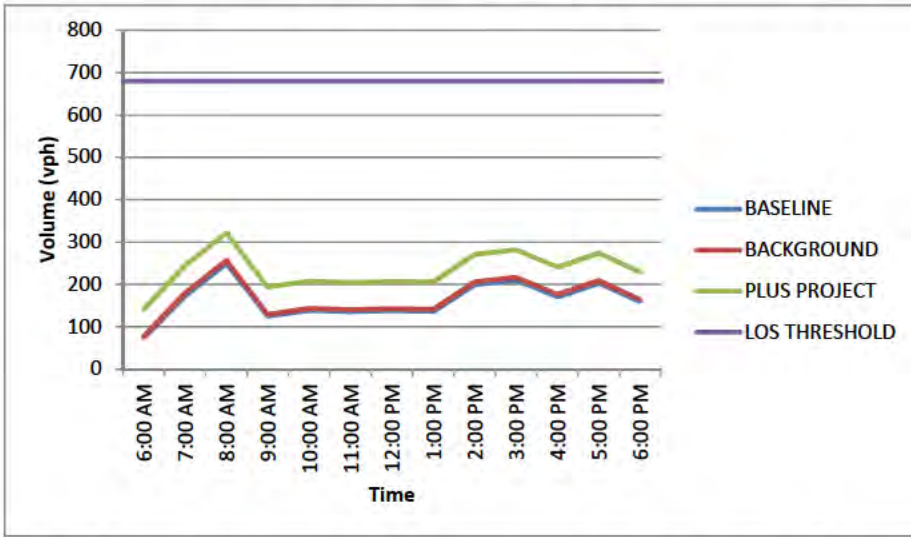
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



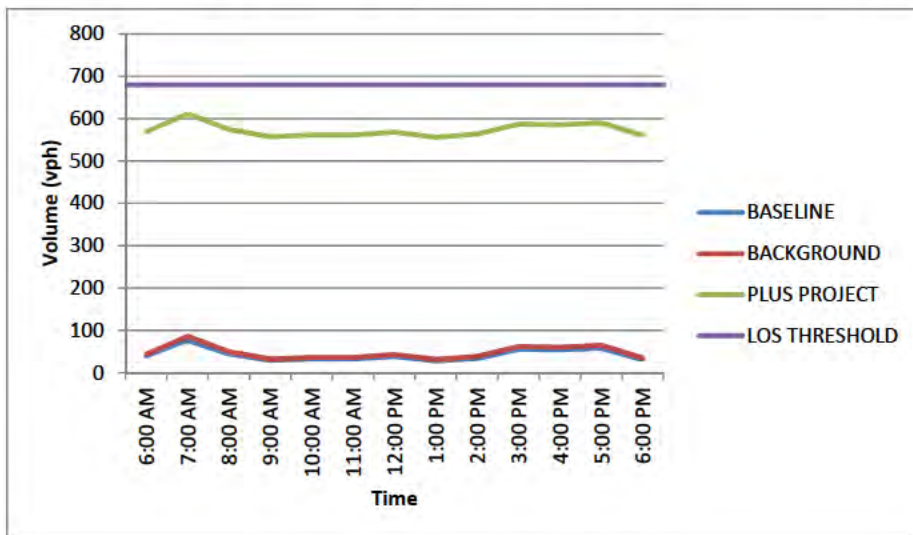
East Alignment Alternatives 1B, 2B, and 6B
Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd



1
2
3

West Alignment Alternatives 1C, 2C, and 6C Hourly Roadway Volumes and LOS Threshold Charts

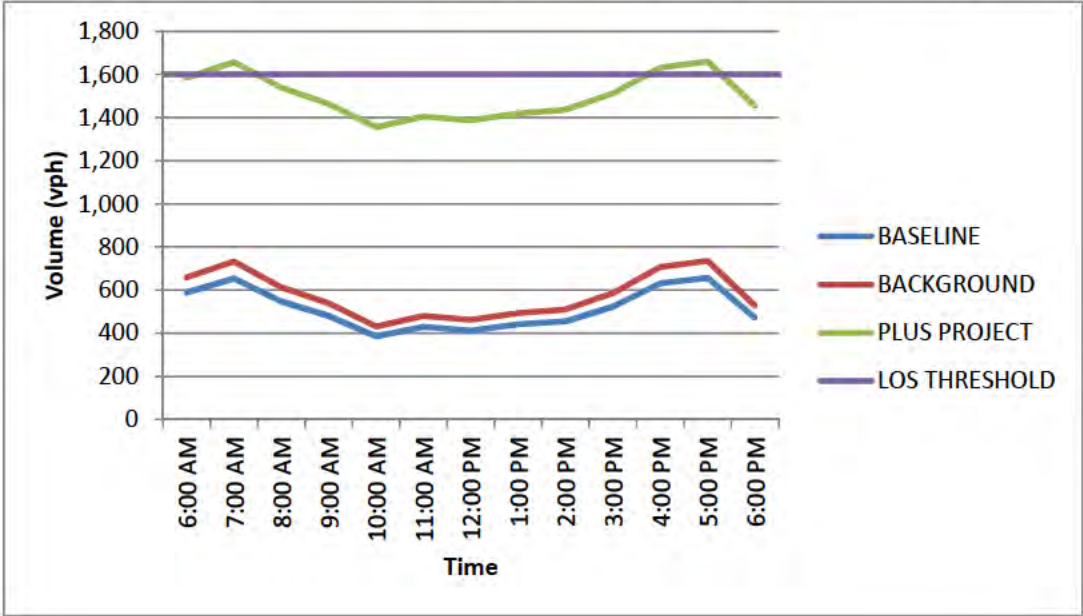
4

Chart Notes:

- 5
- 6
- 7
- 8
- For roadway segments with no growth in background traffic, the “Background” traffic volume is equal to the “Baseline” traffic volume.
 - For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic volume is equal to the “Baseline” and “Background” traffic volumes.

West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

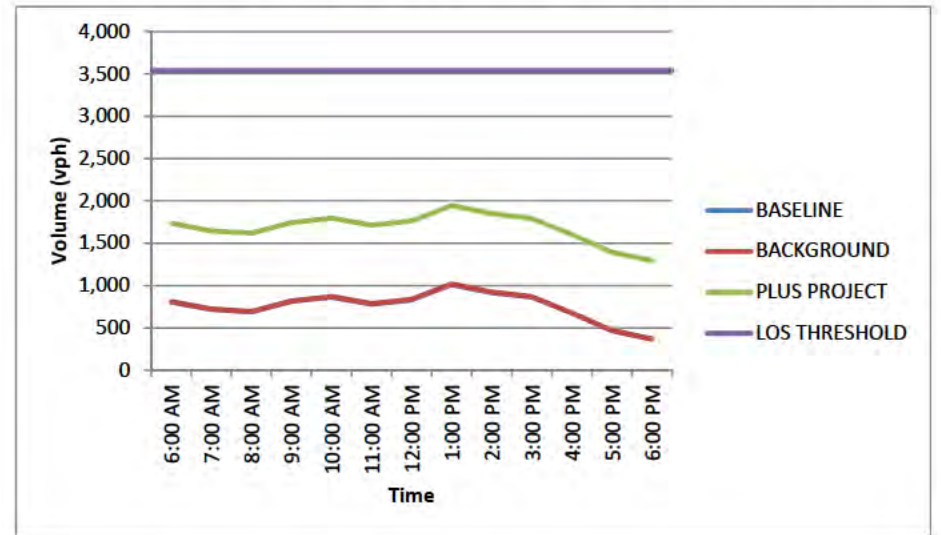
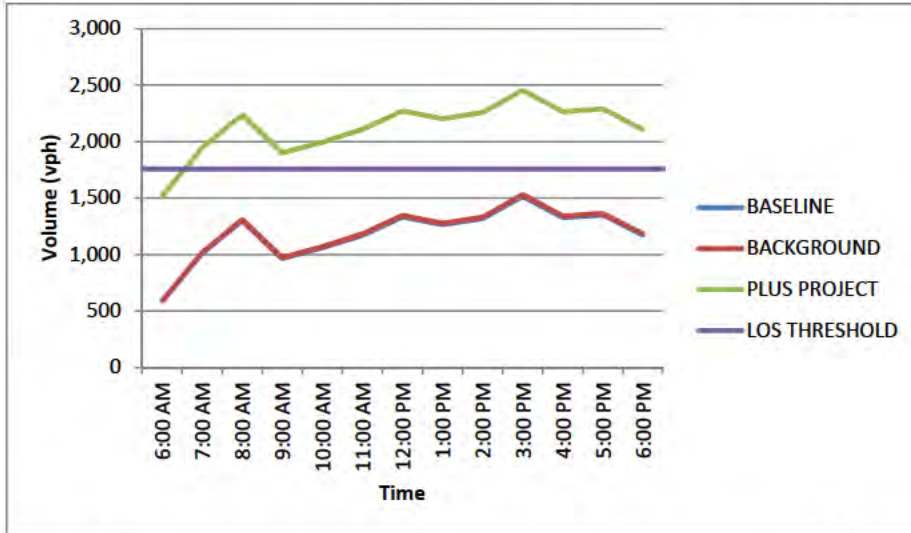
ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line



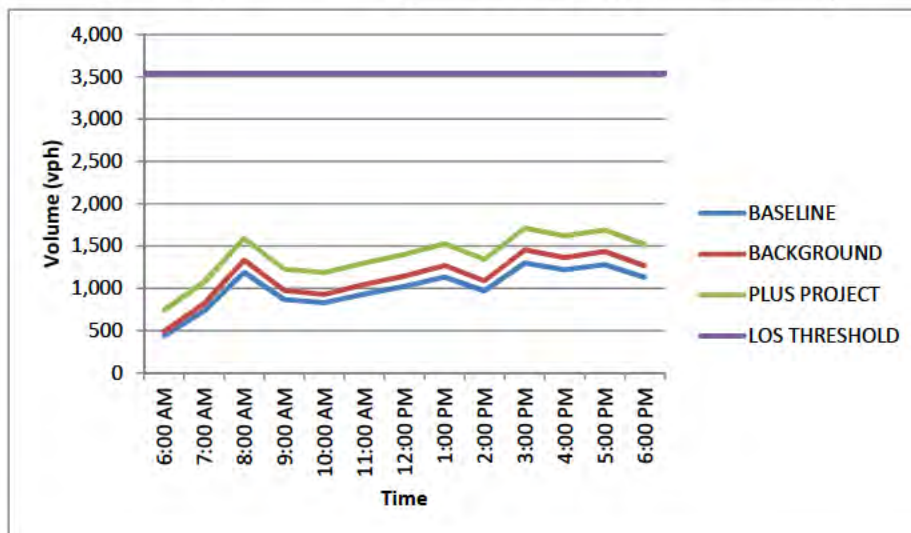
West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - City of Brentwood

ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd

ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)

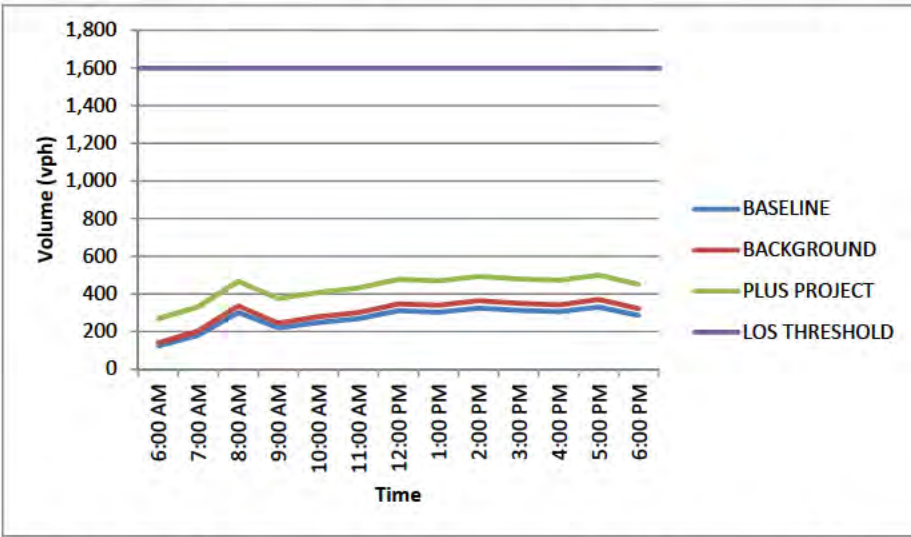


ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits

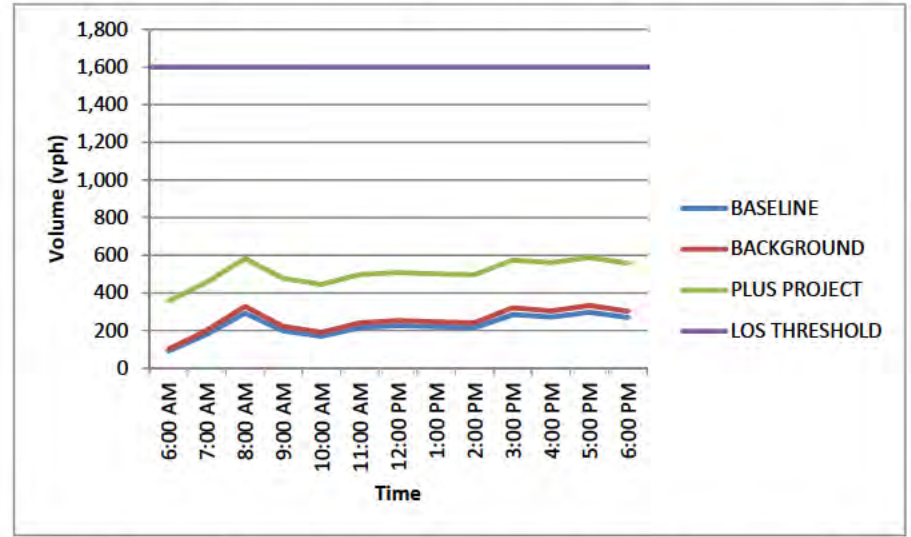


West Alignment Alternative 1C, 2C, and 6C Hourly Roadway Volumes and LOS Threshold - Contra Costa County

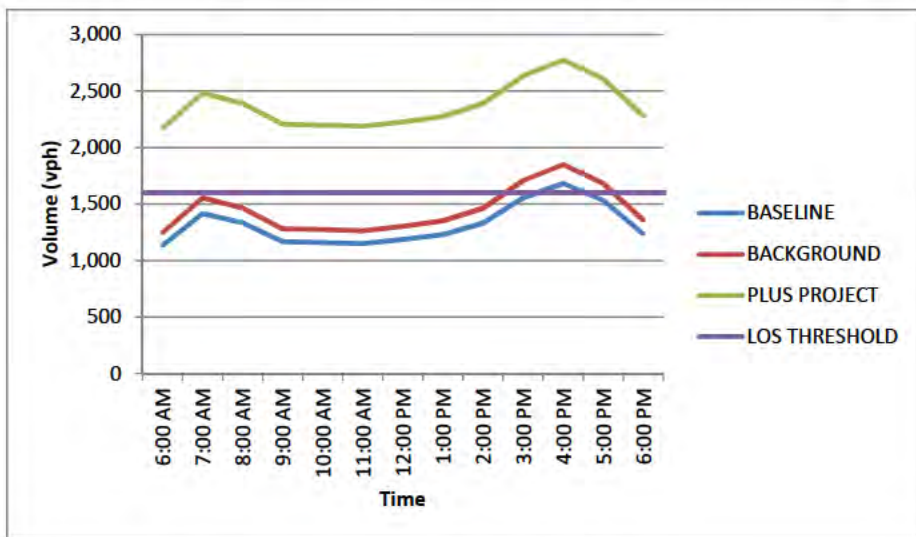
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End



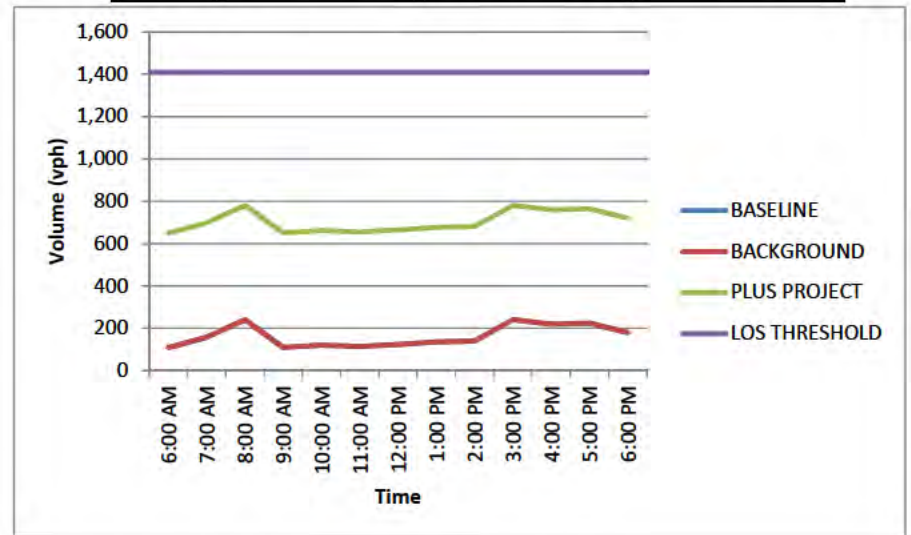
ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

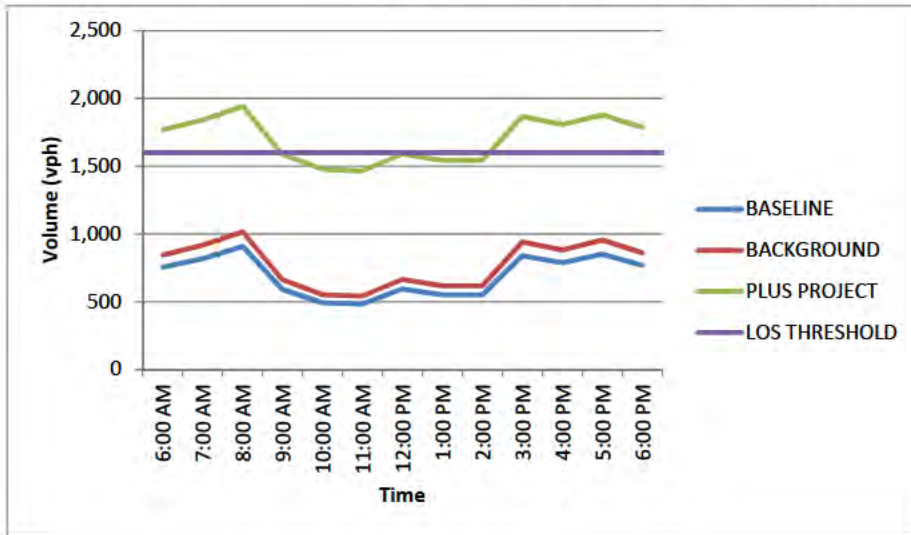


ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



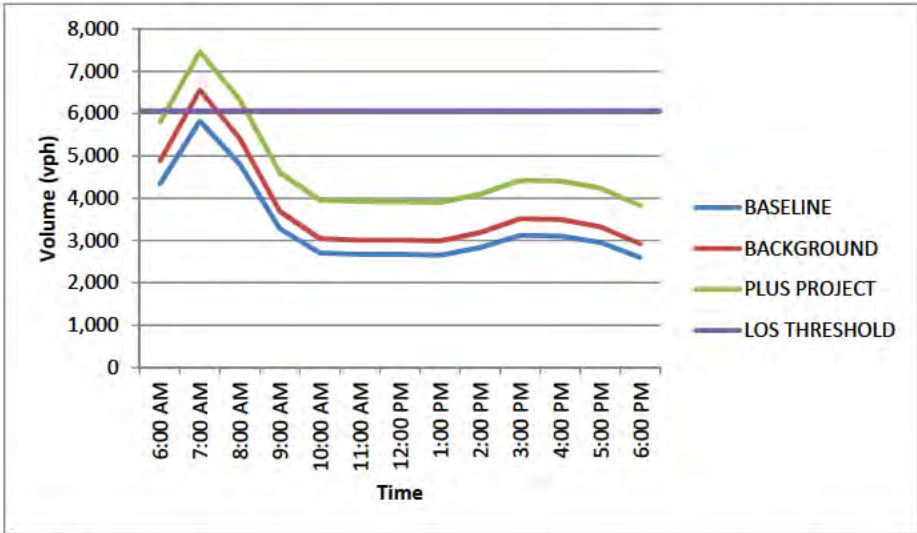
West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

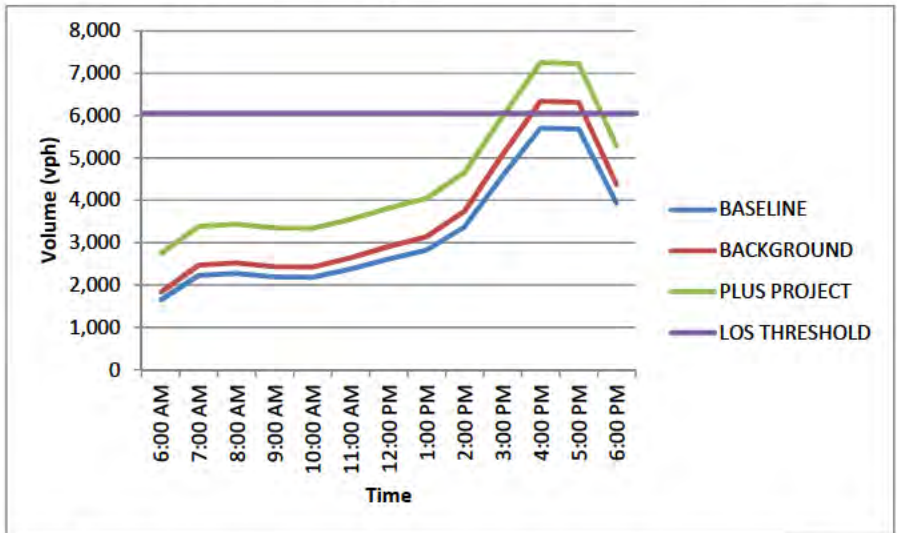


West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - Caltrans

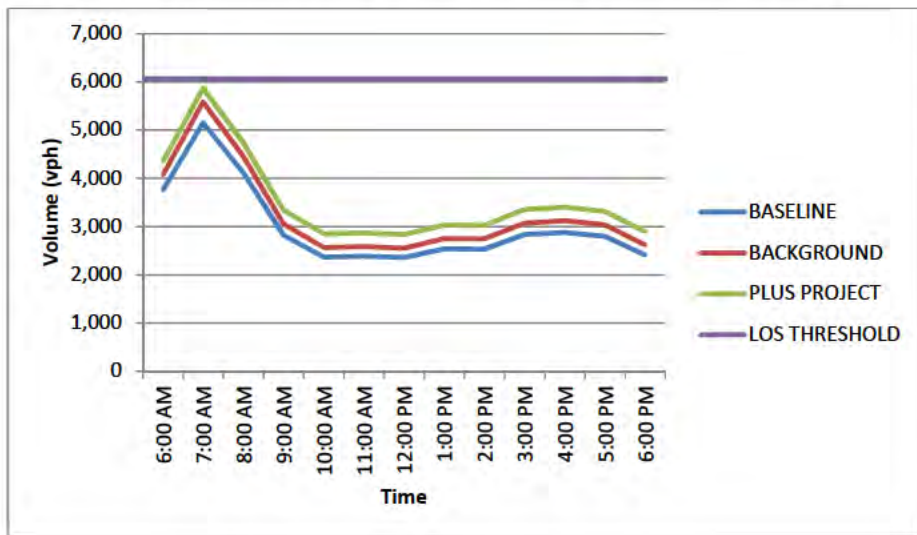
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



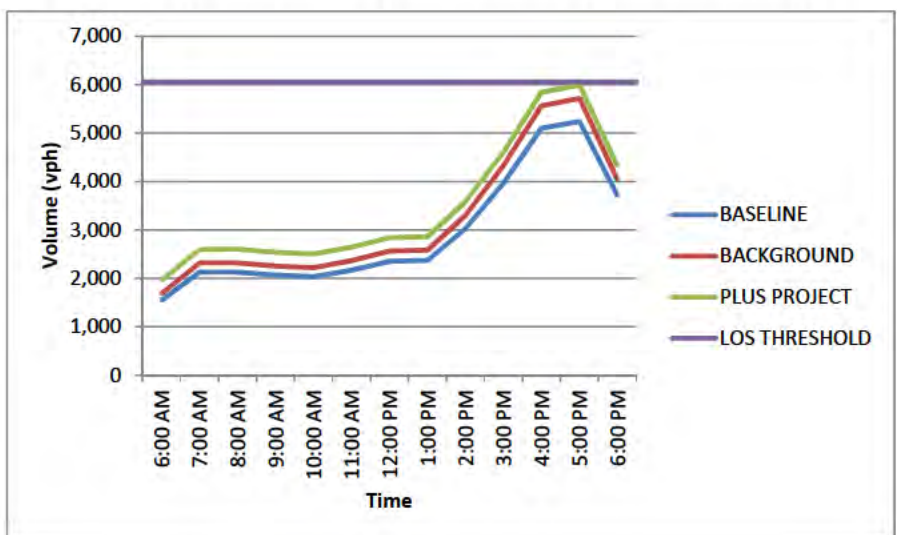
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

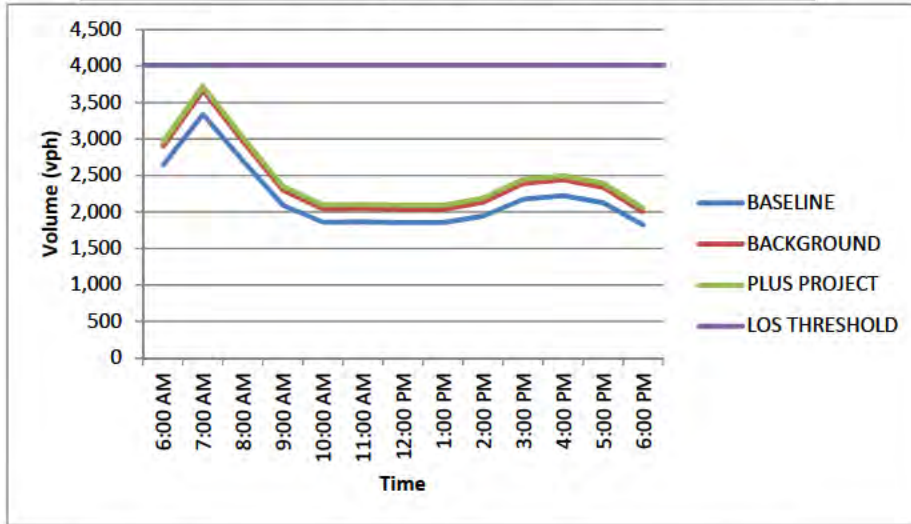


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

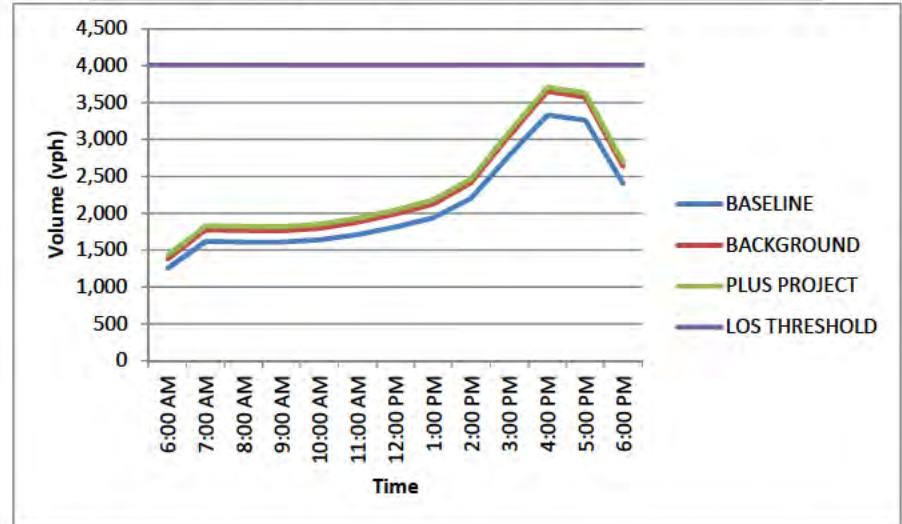


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

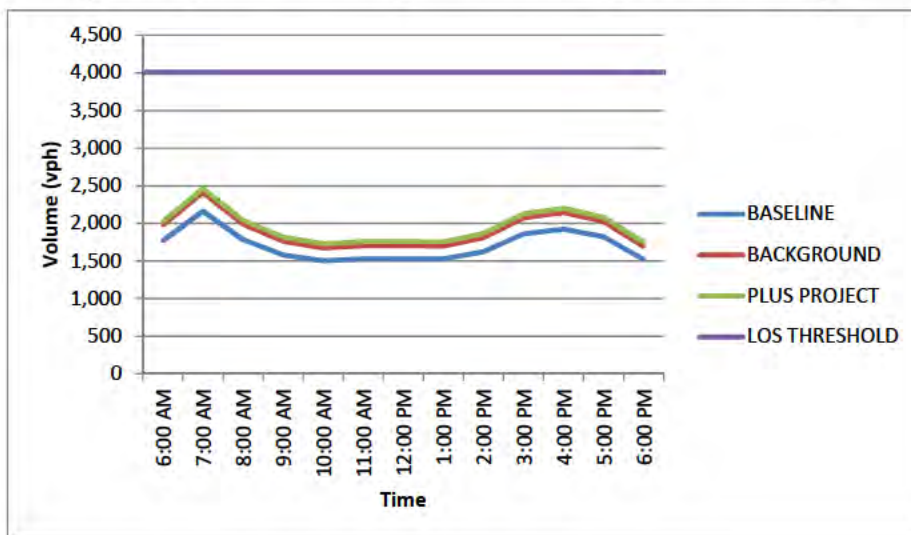
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



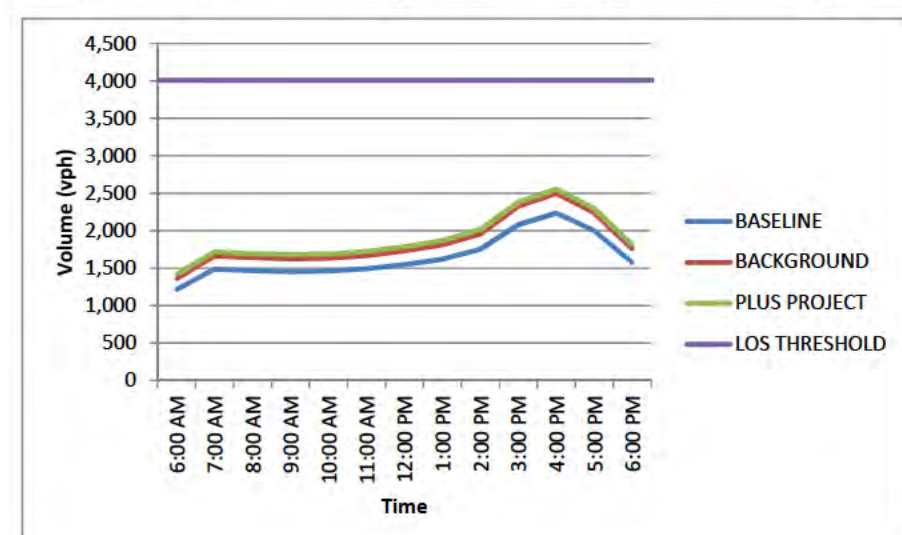
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



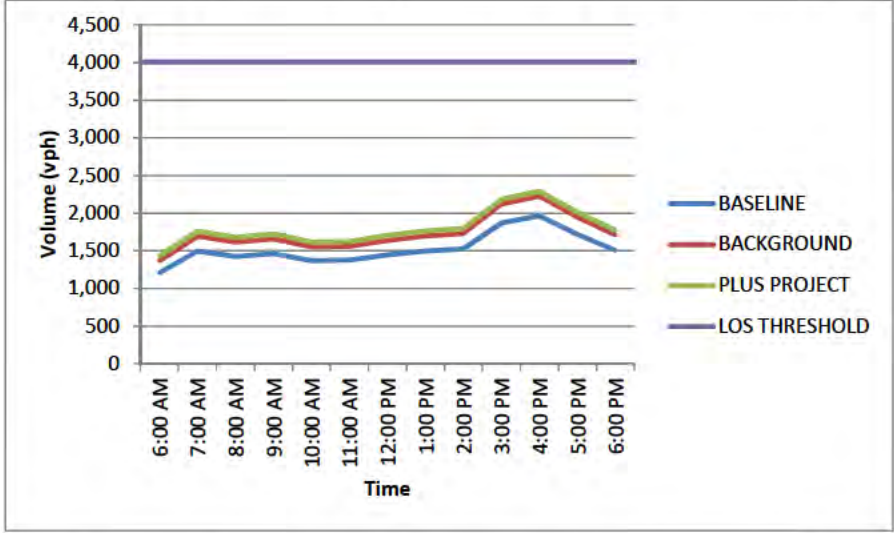
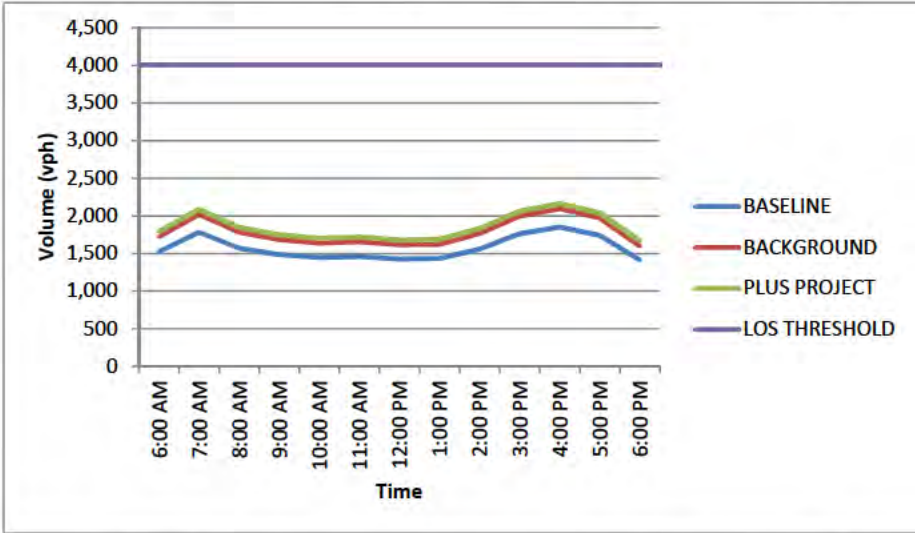
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



West Alignment Alternative 1C, 2C, and 6C Hourly Roadway Volumes and LOS Threshold - Caltrans

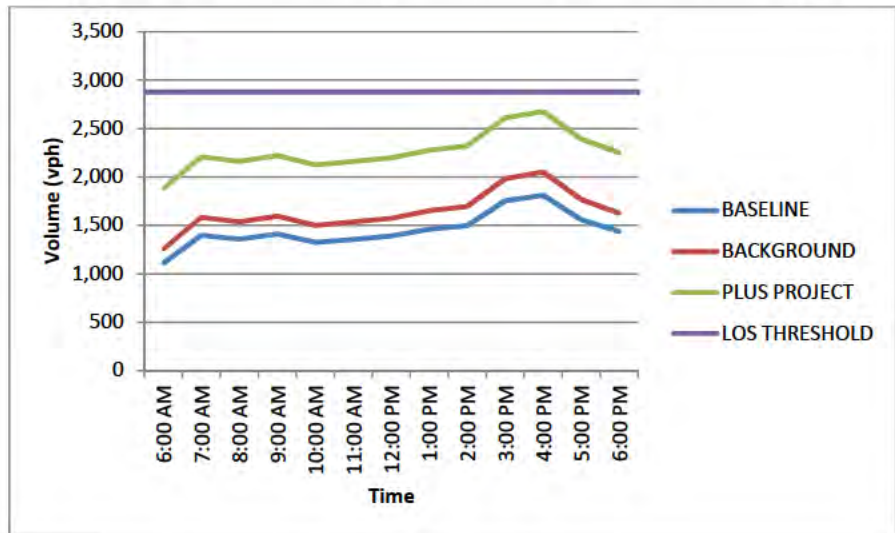
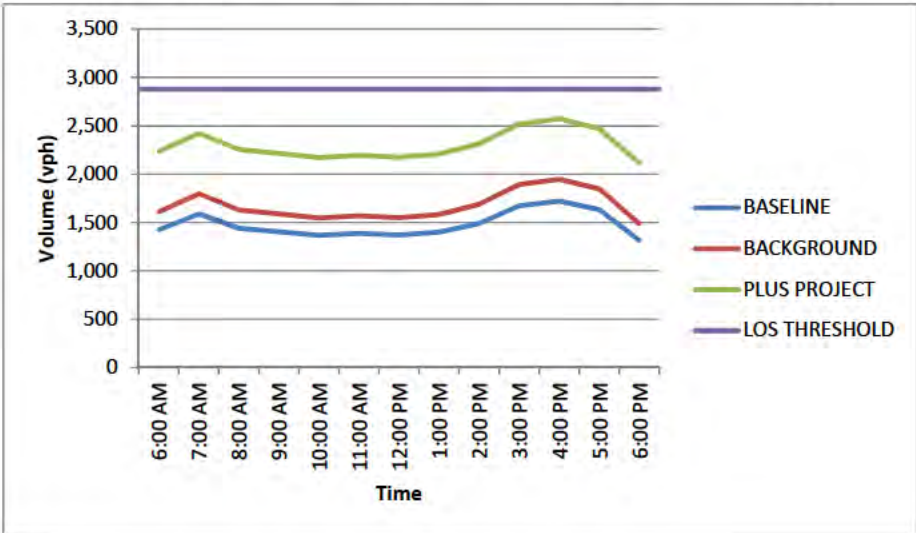
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



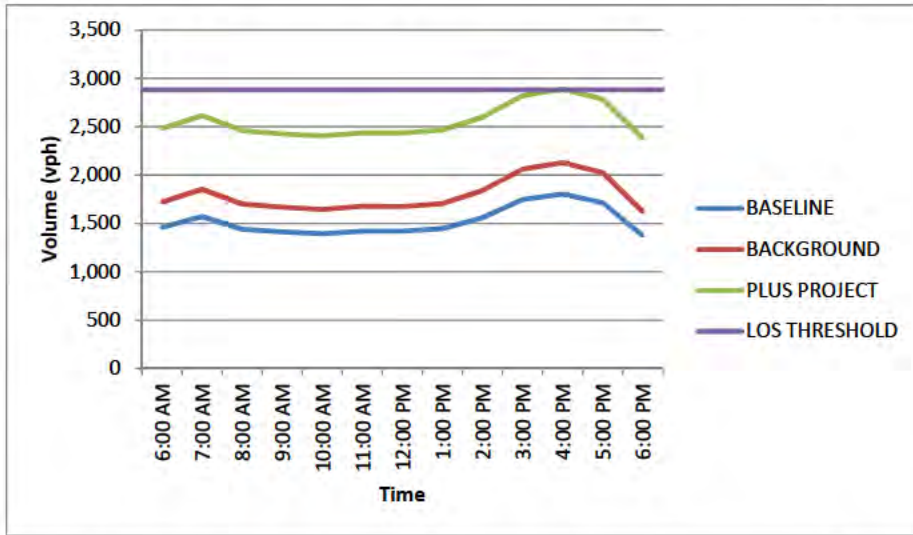
ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd

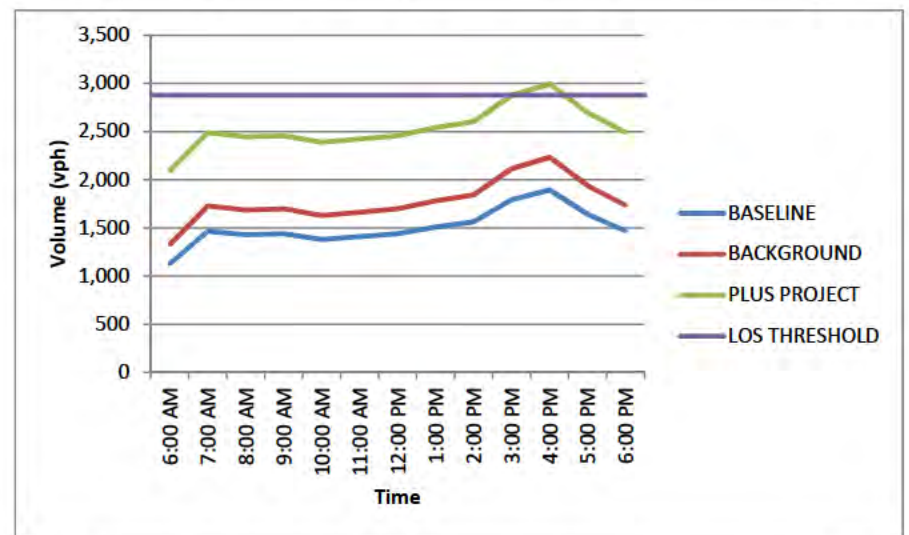


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

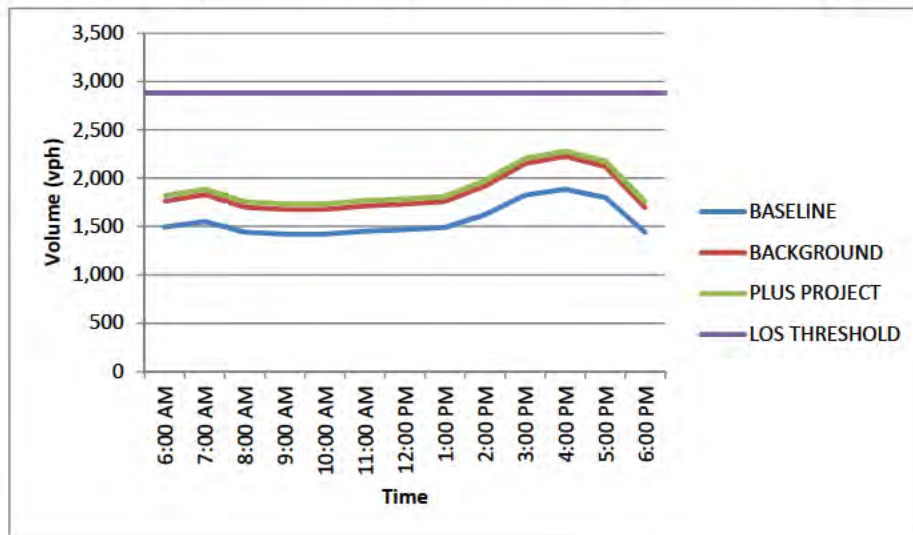
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd



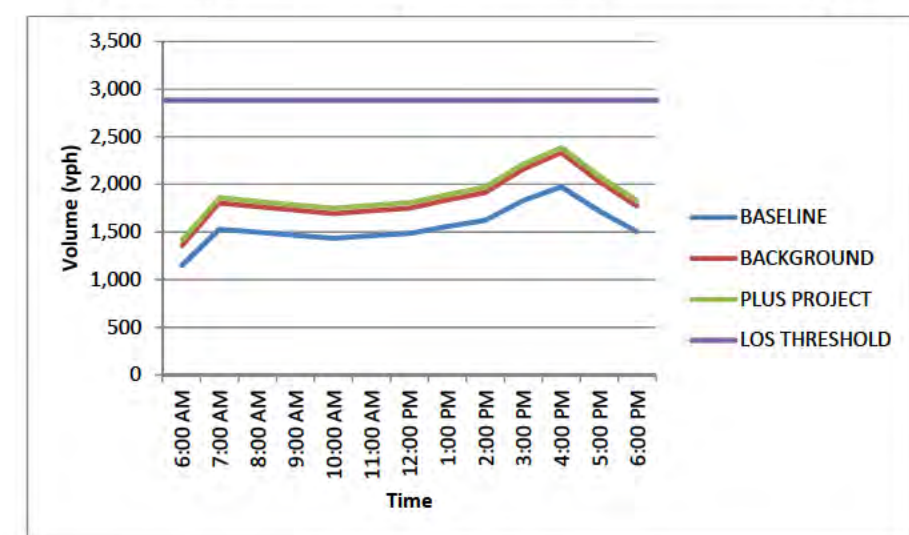
ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

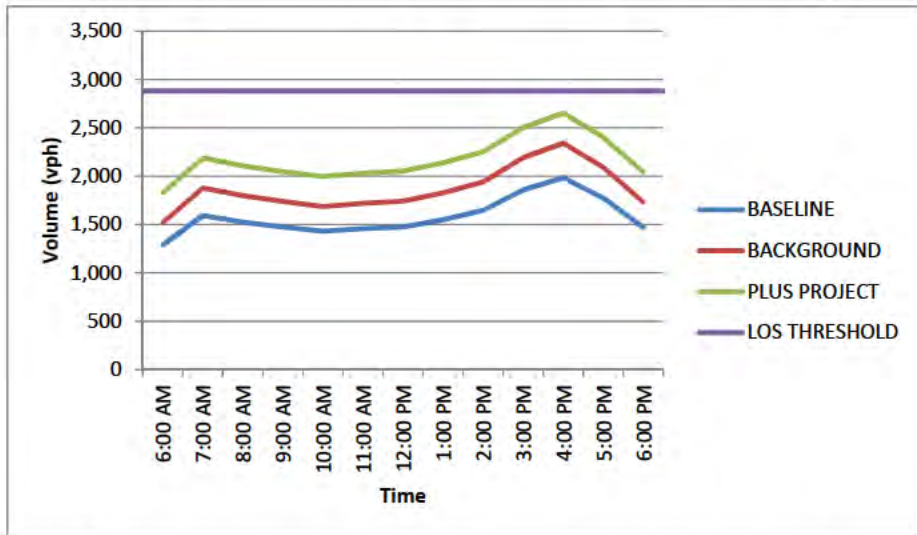


ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd

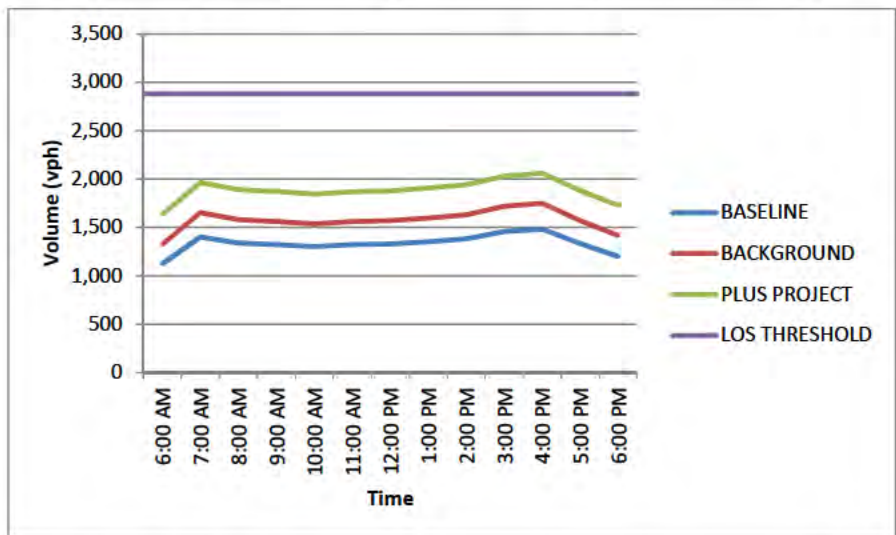


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

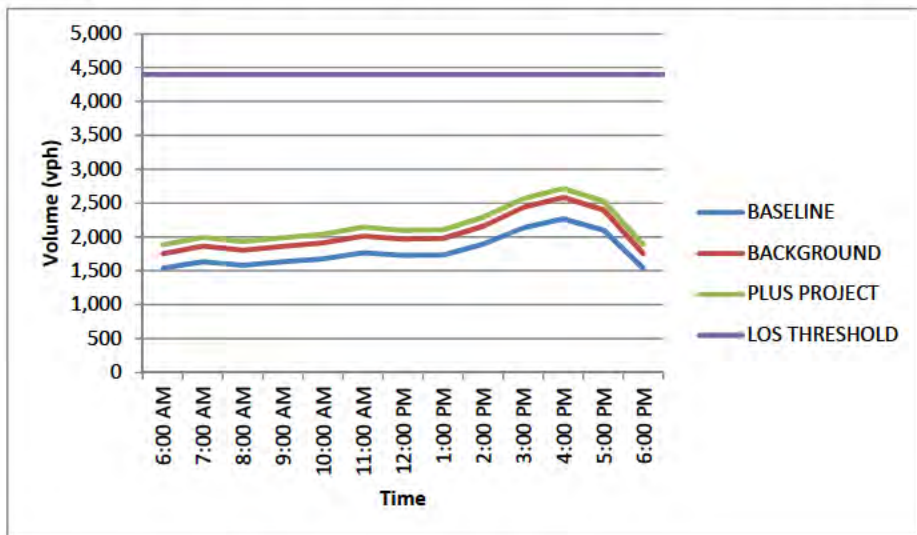
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd



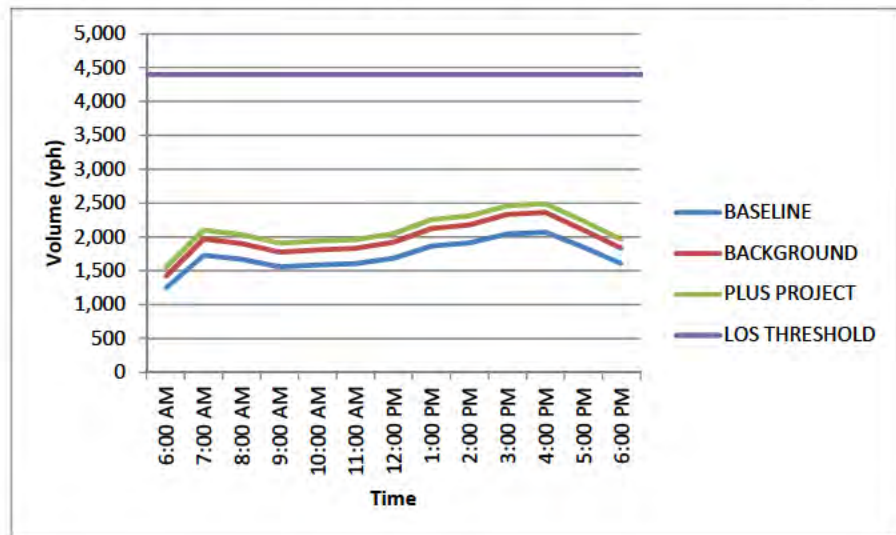
ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

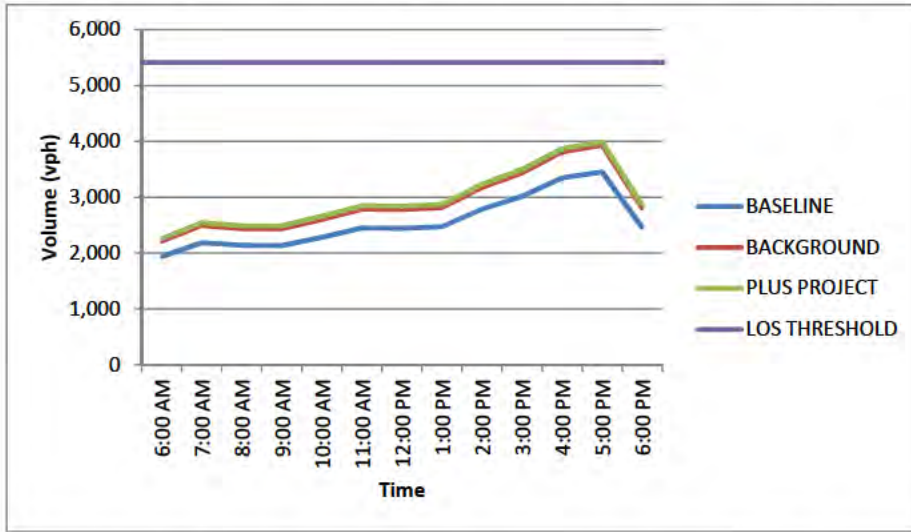


ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

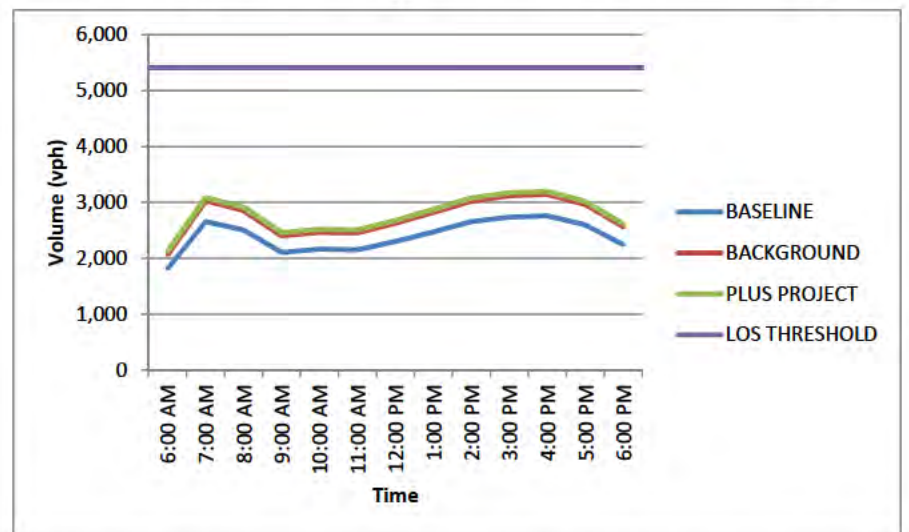


West Alignment Alternative 1C, 2C, and 6C Hourly Roadway Volumes and LOS Threshold - Caltrans

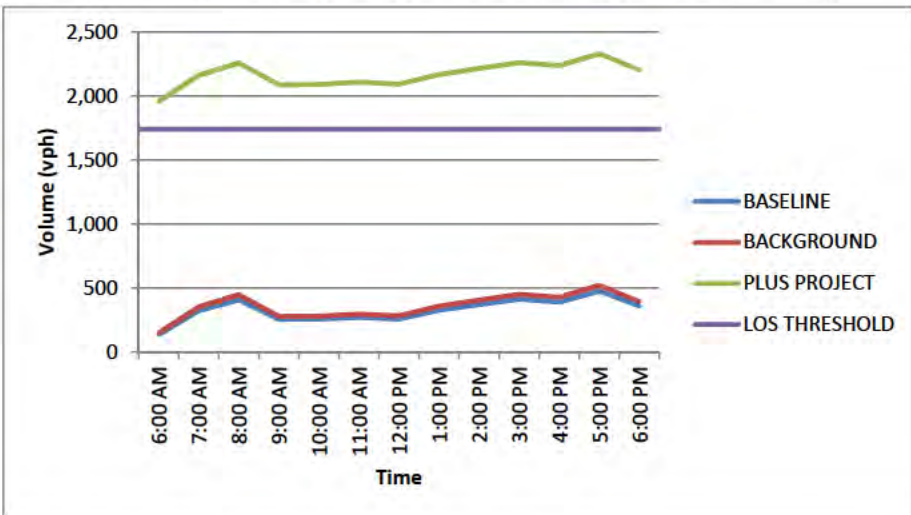
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



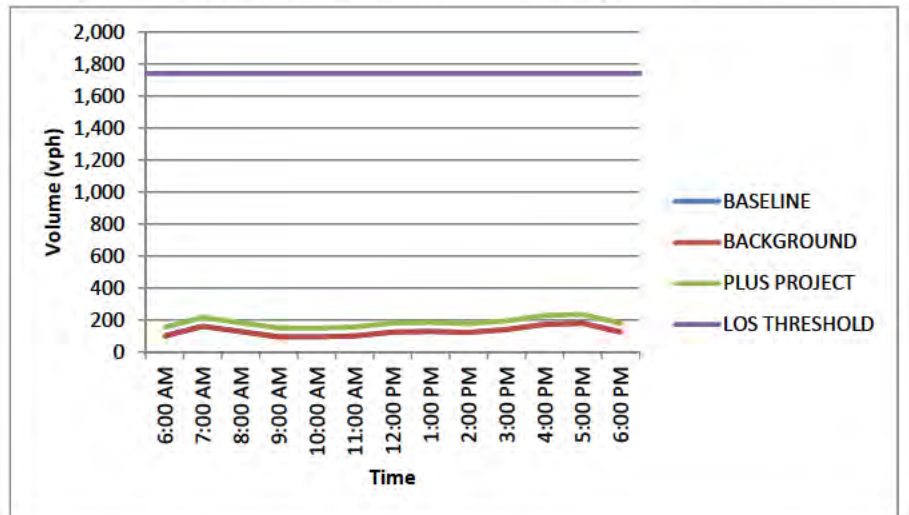
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

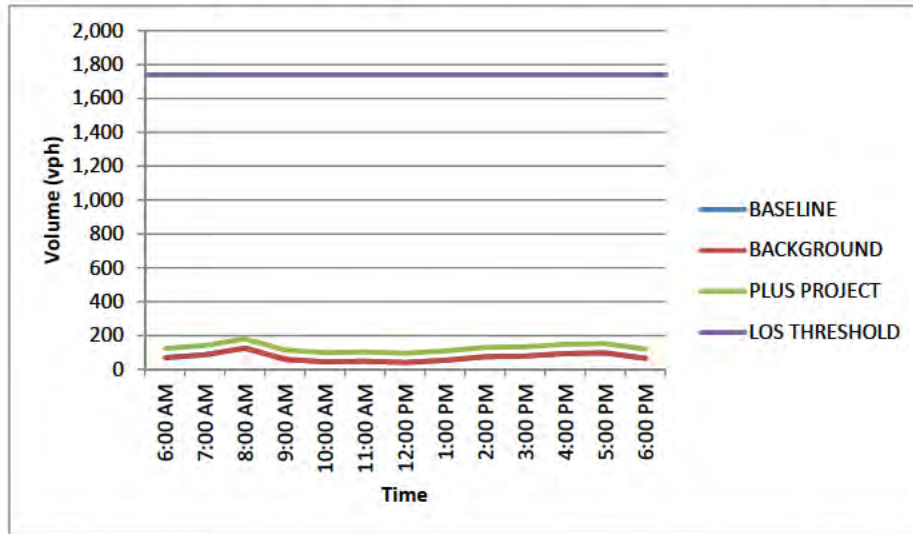


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

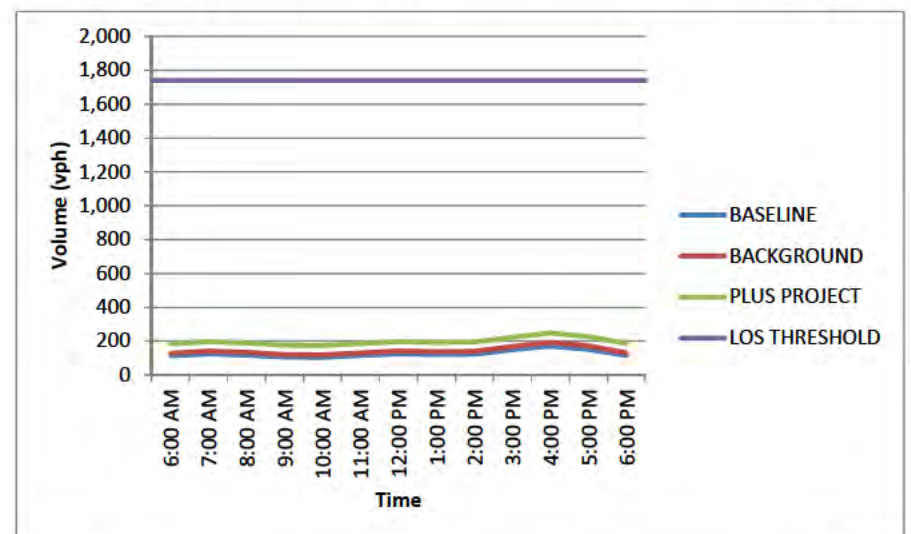


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

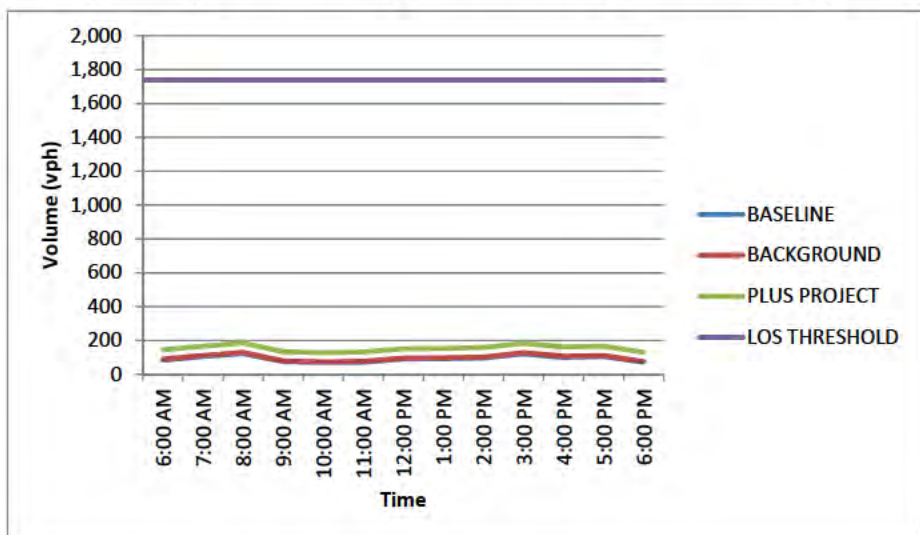
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



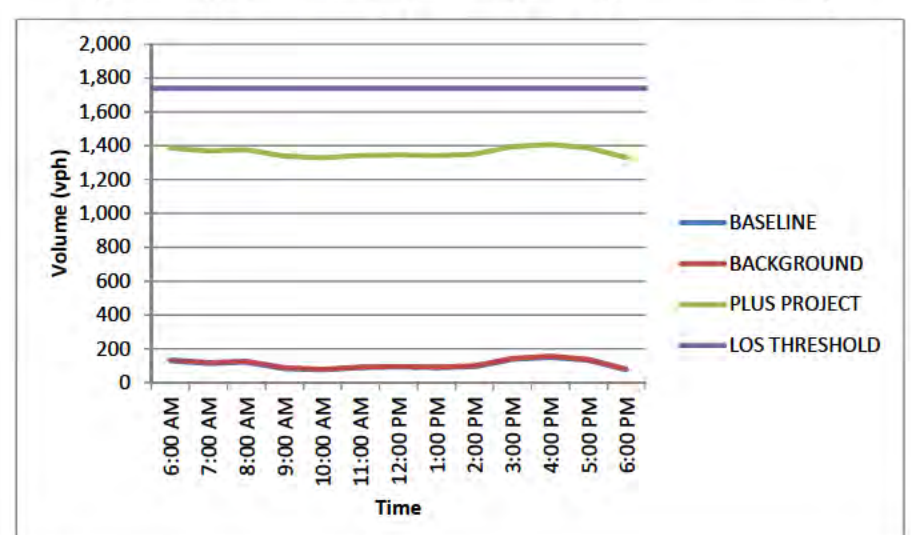
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

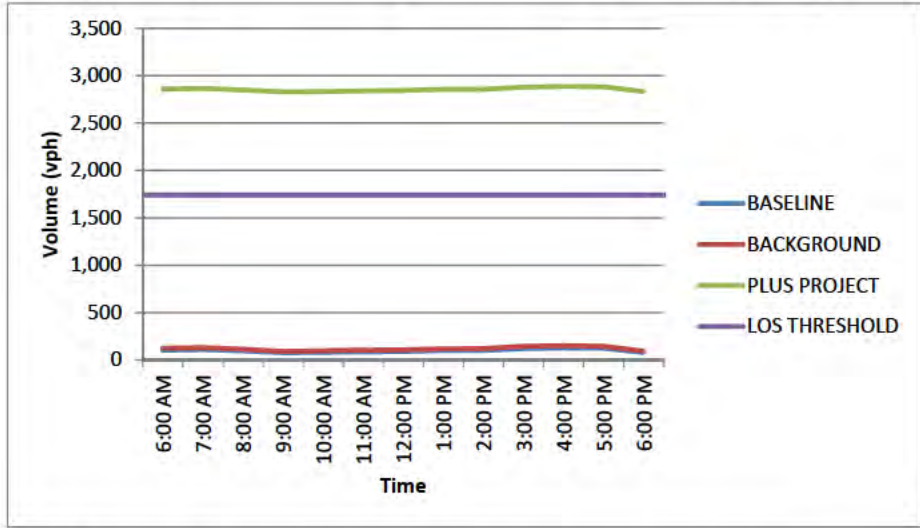


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

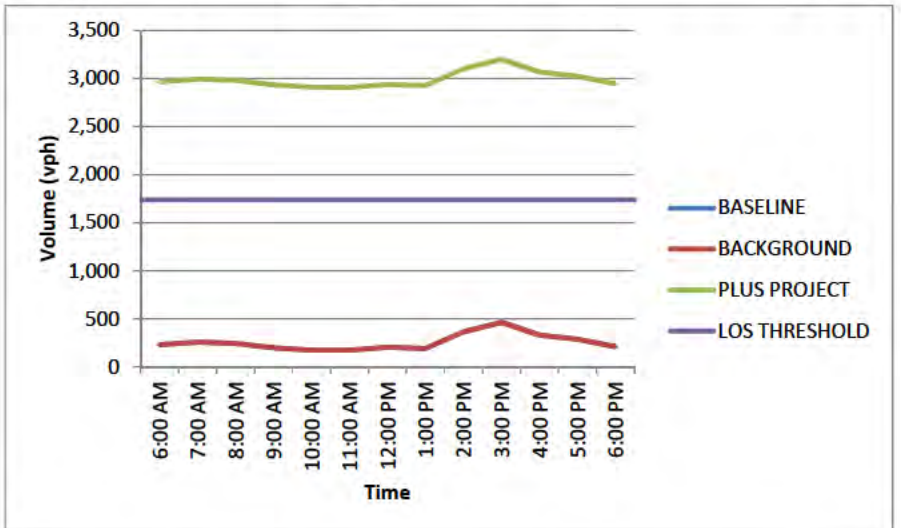


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

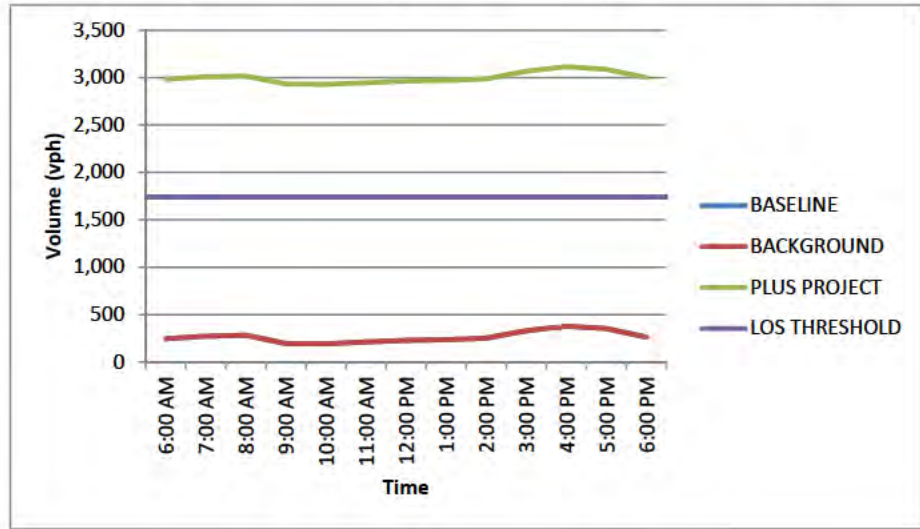
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



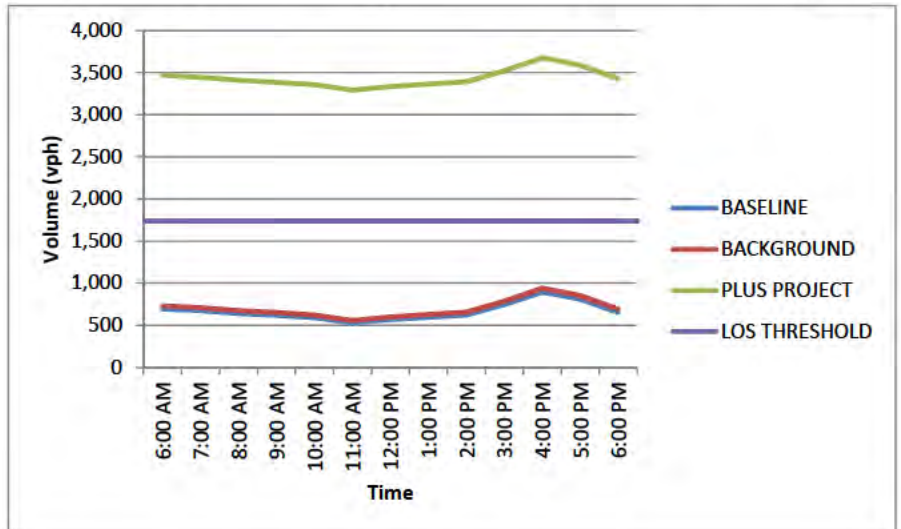
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12

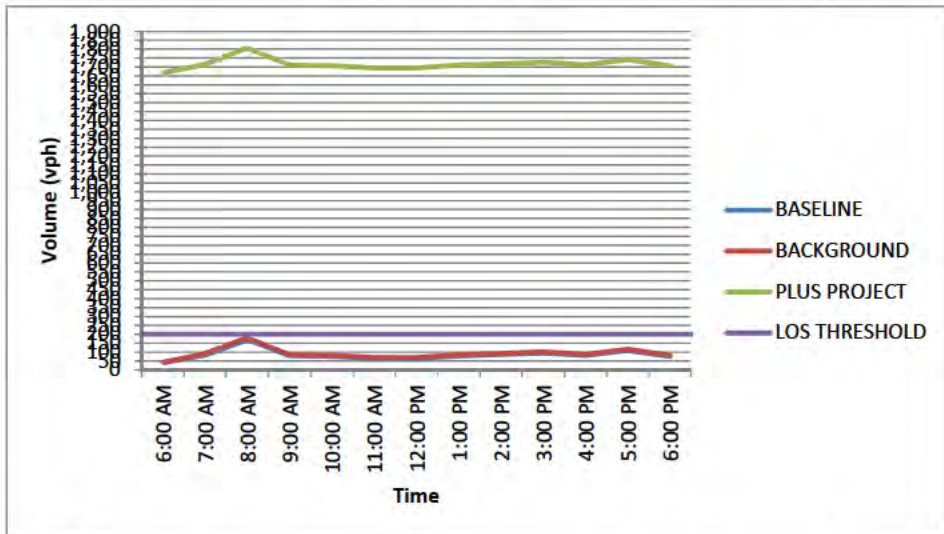


ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12

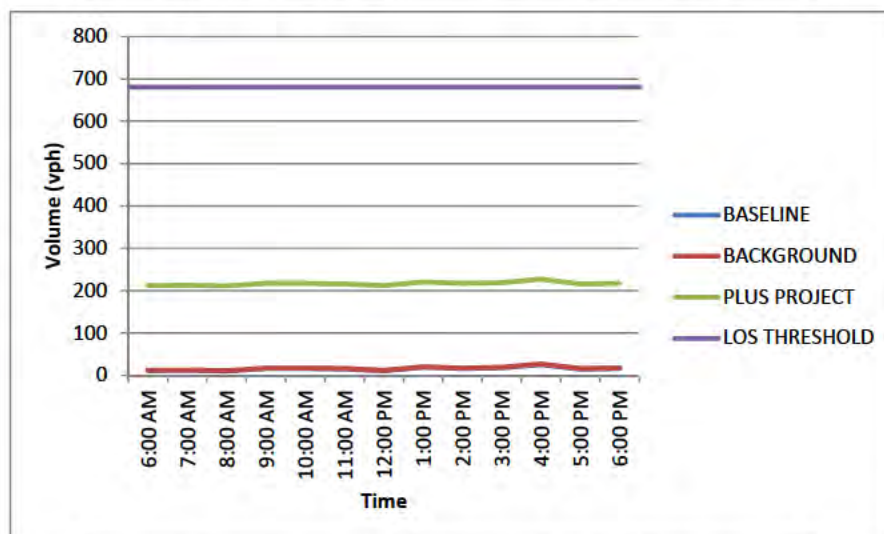


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

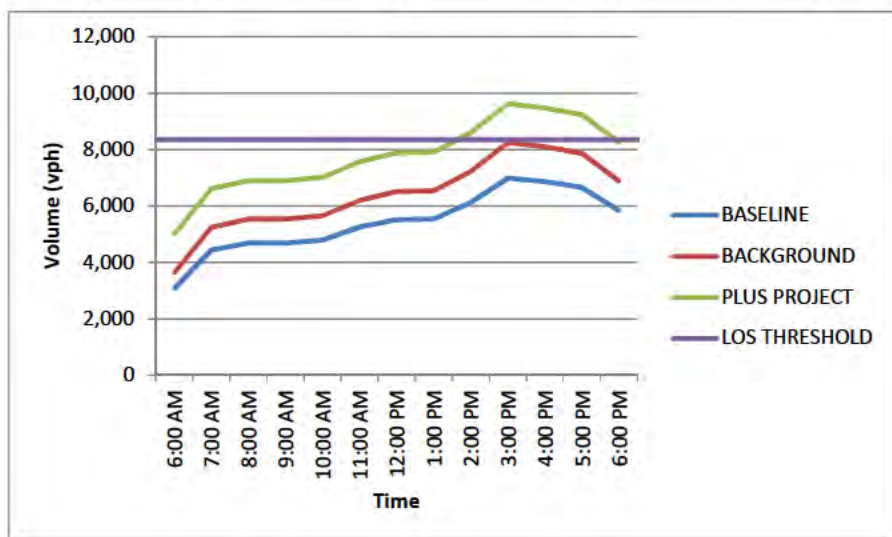
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd



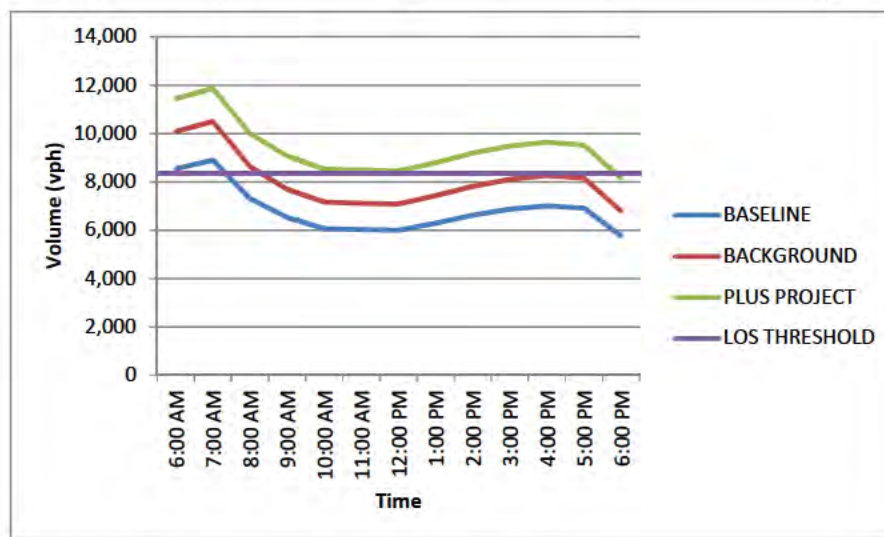
ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

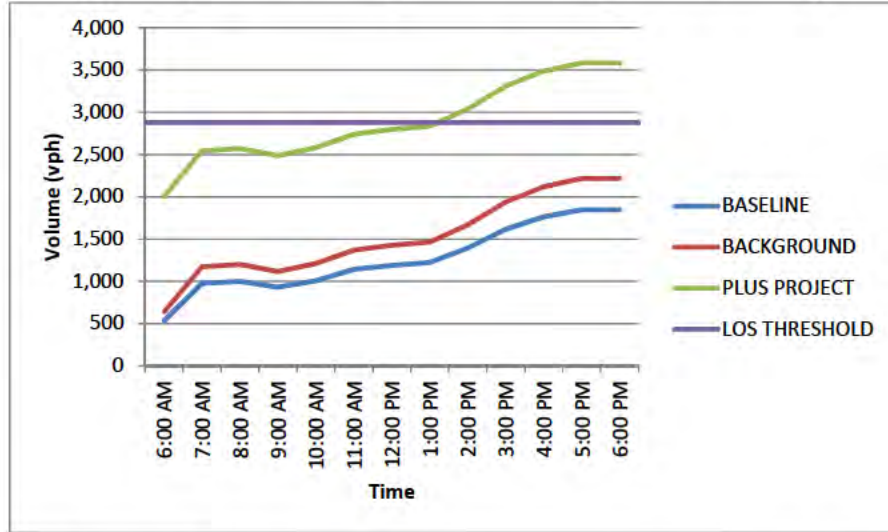


ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

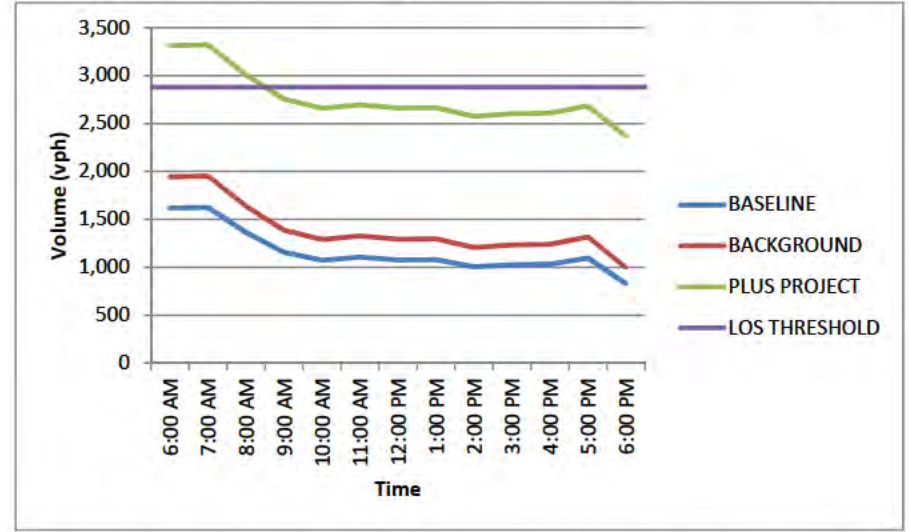


West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - Caltrans

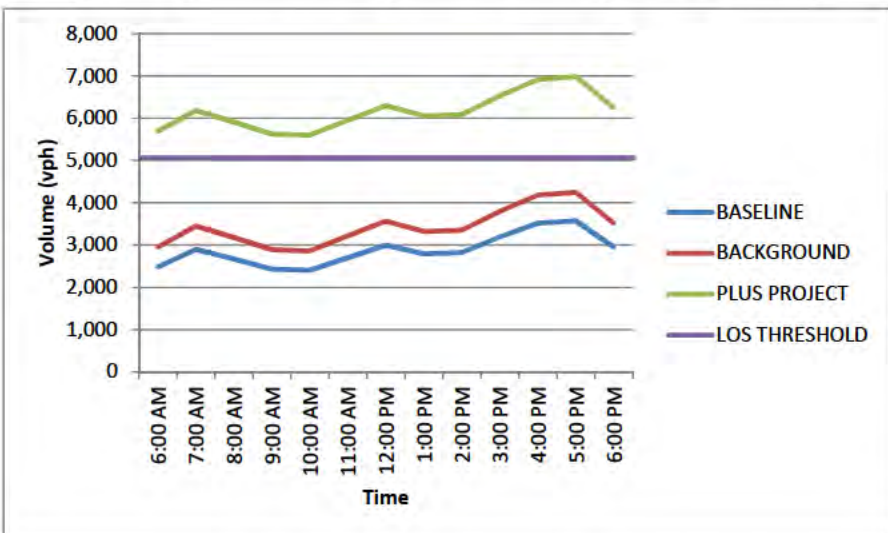
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



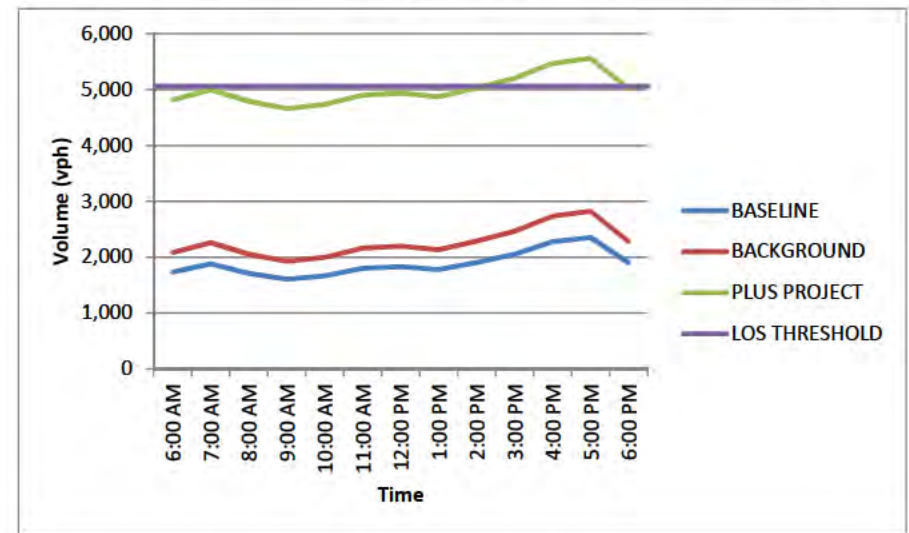
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

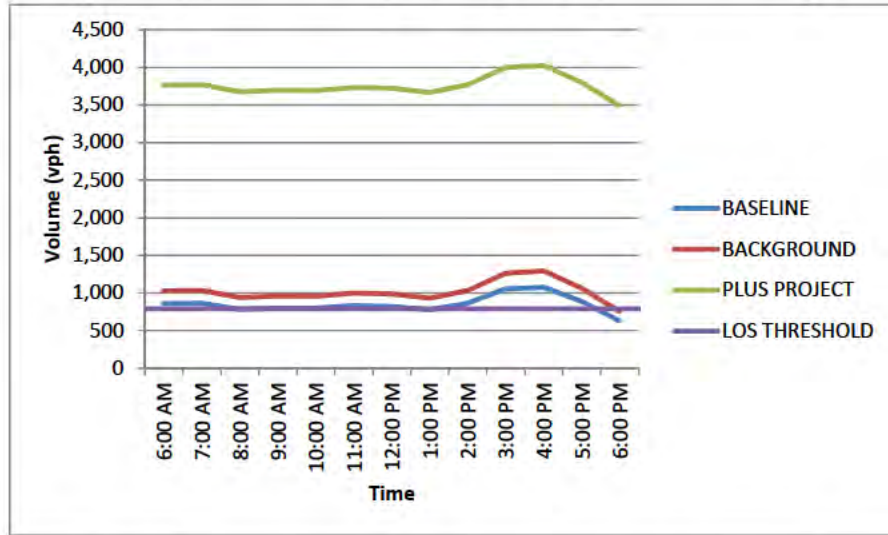


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

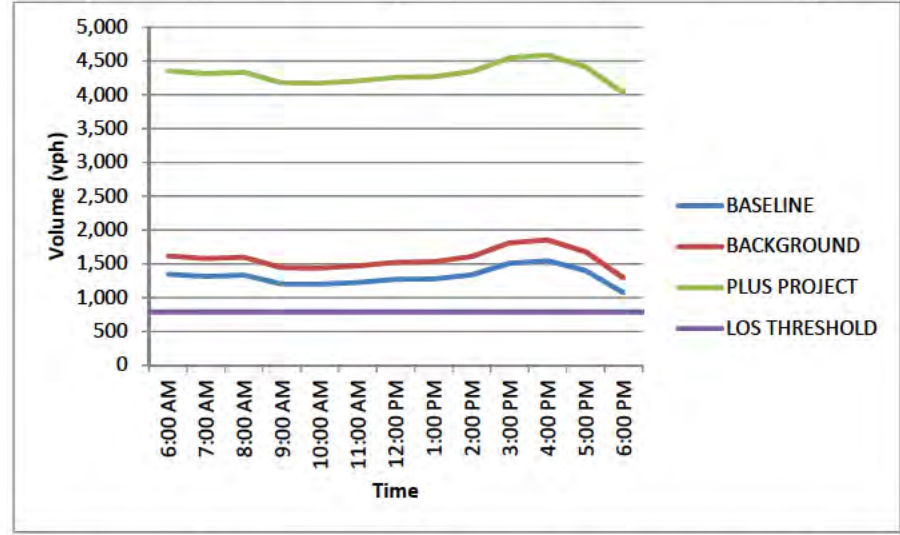


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

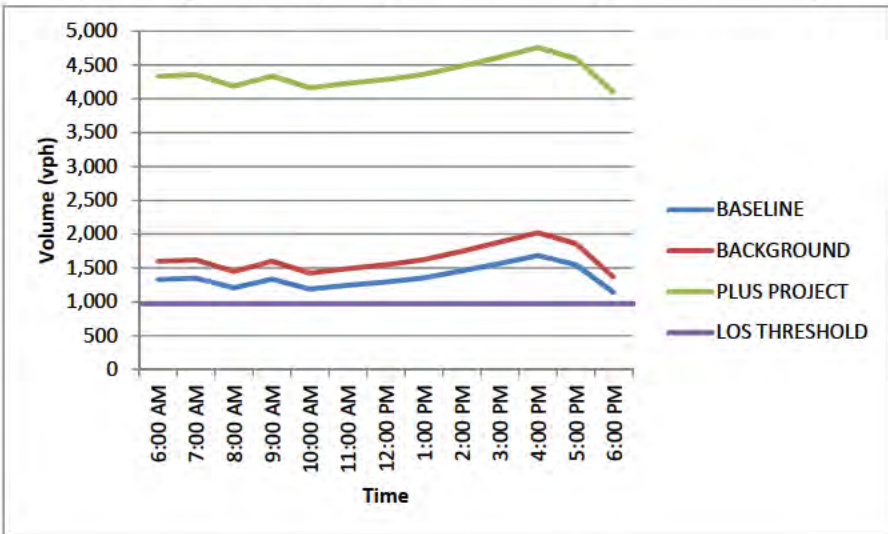
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



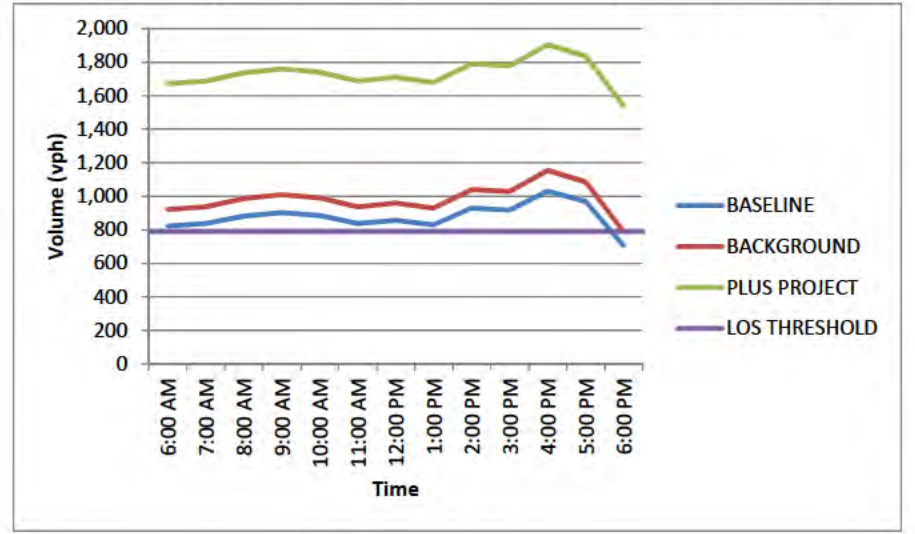
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

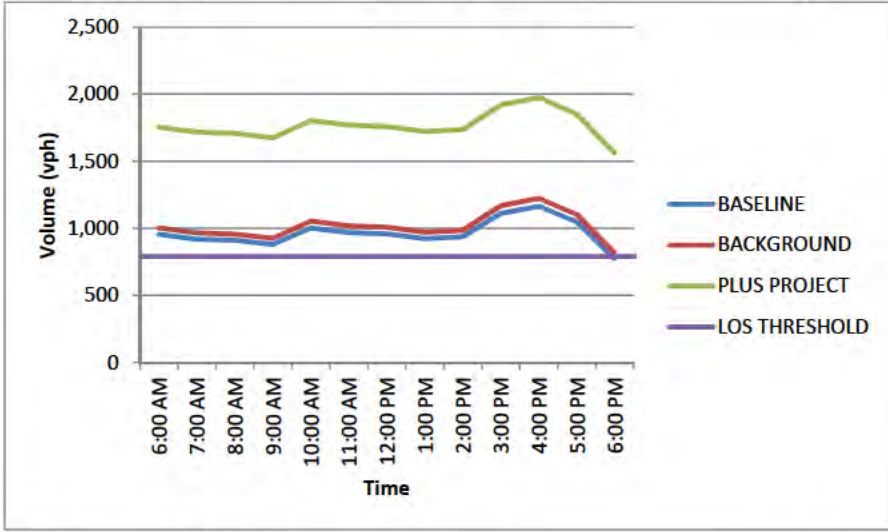


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

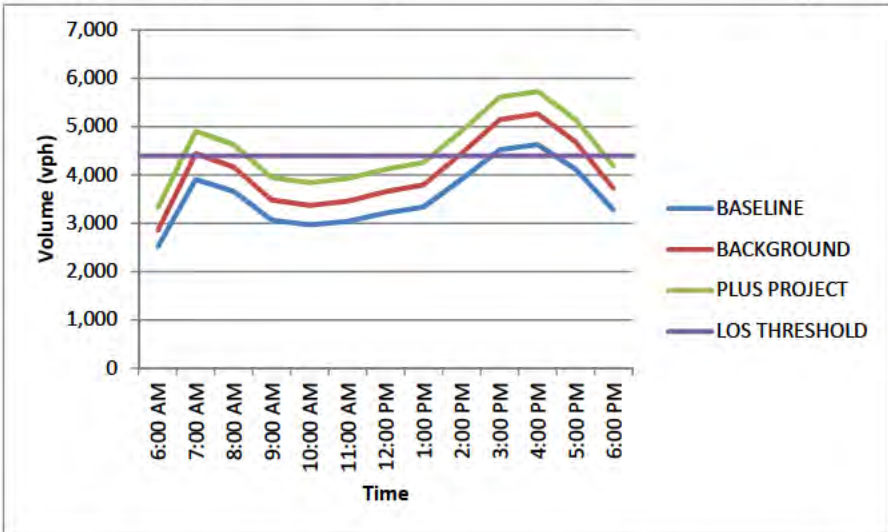


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

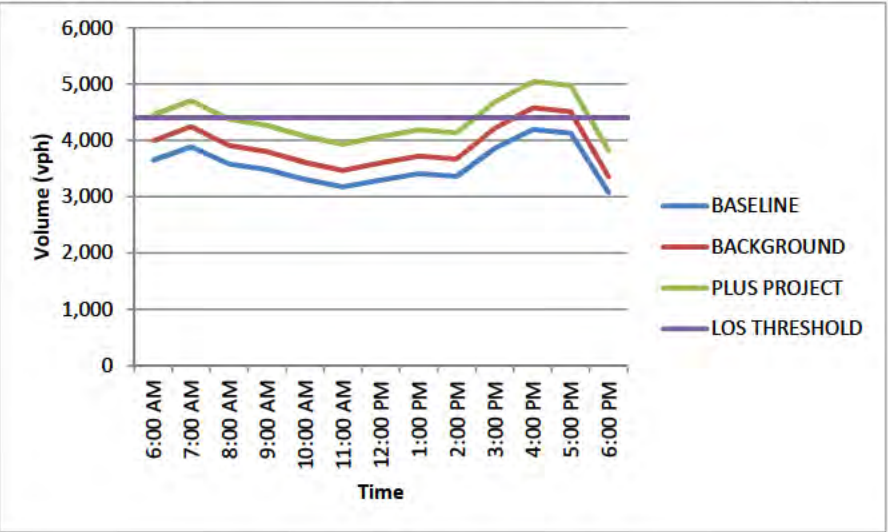
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



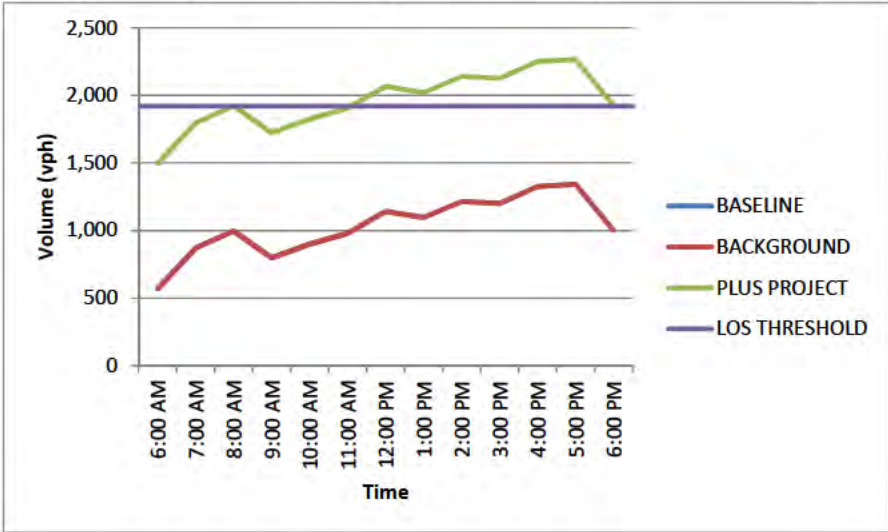
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

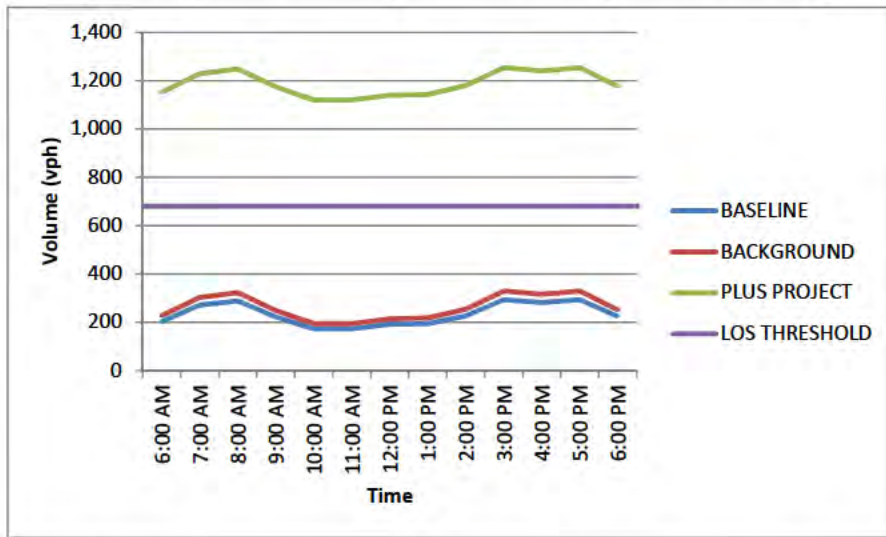


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

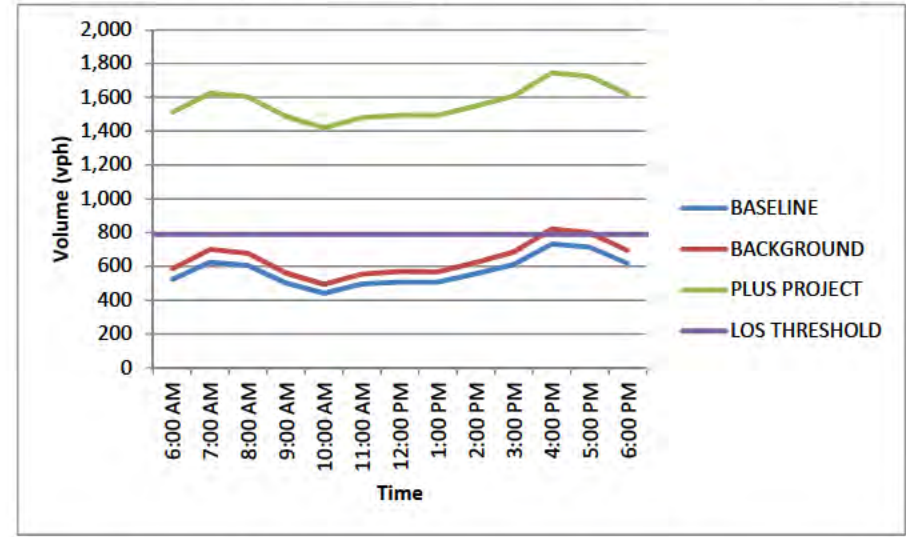


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

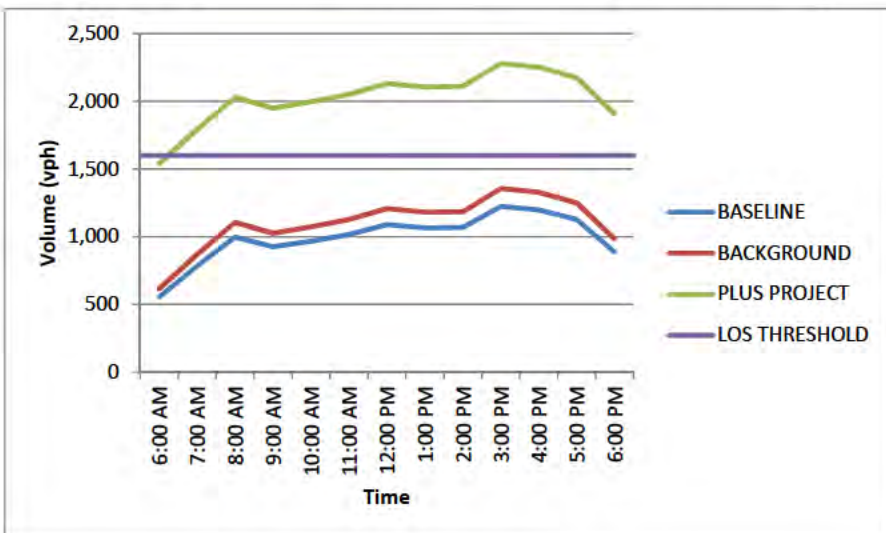
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



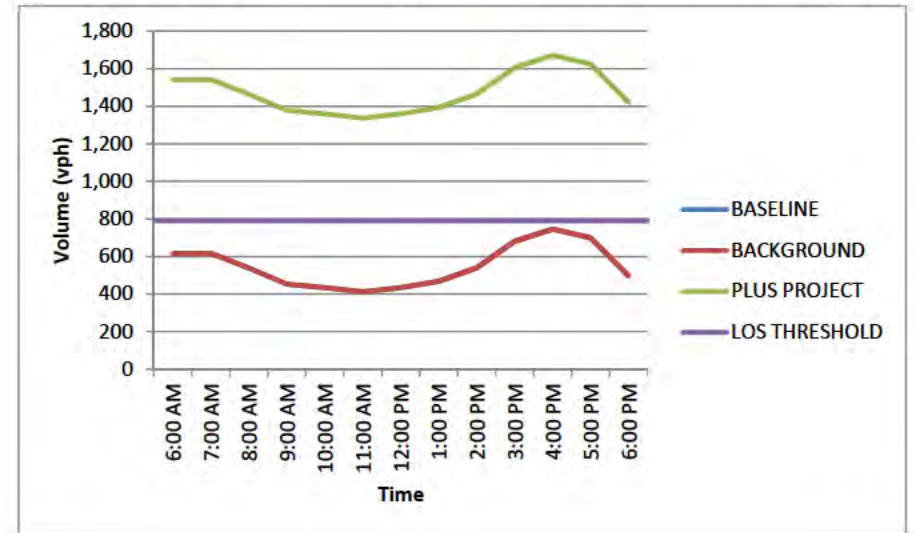
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

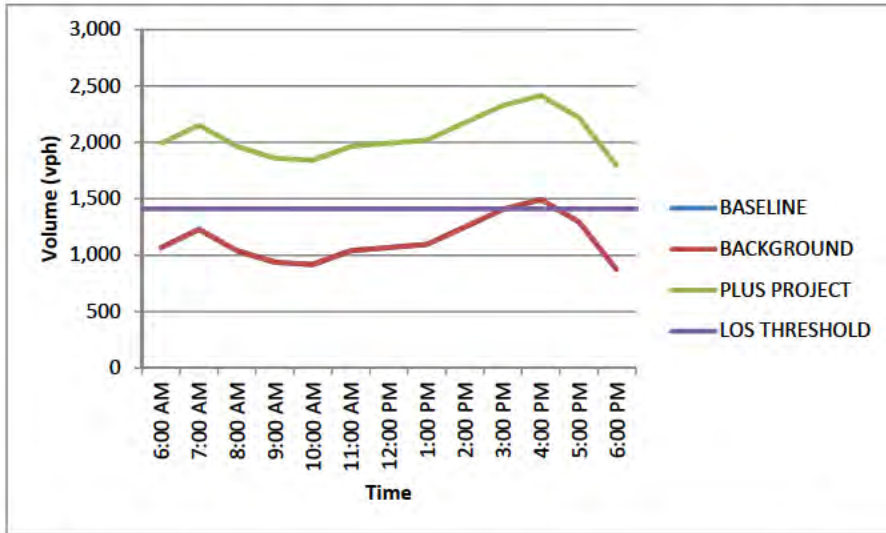


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

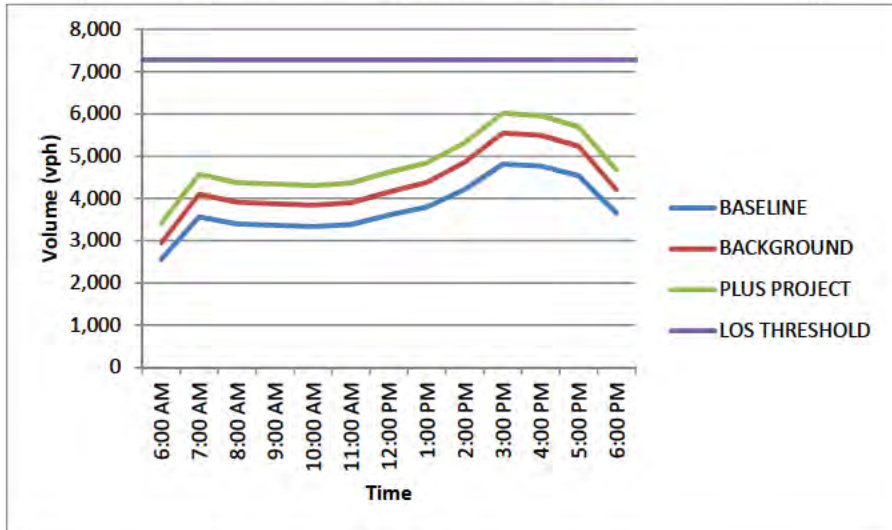


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

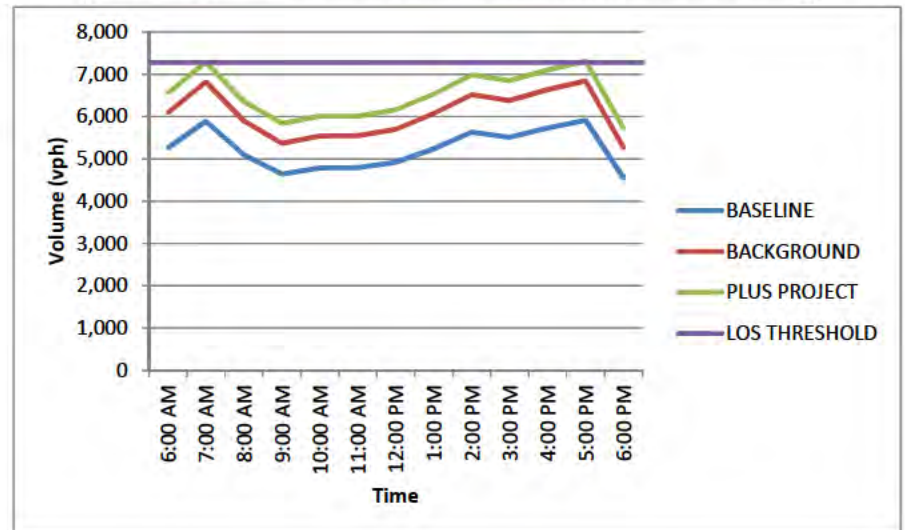
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

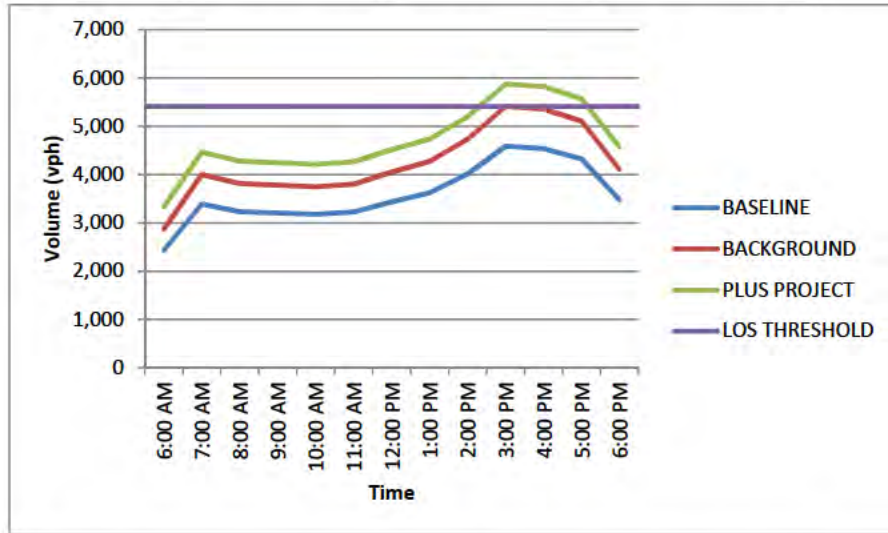


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

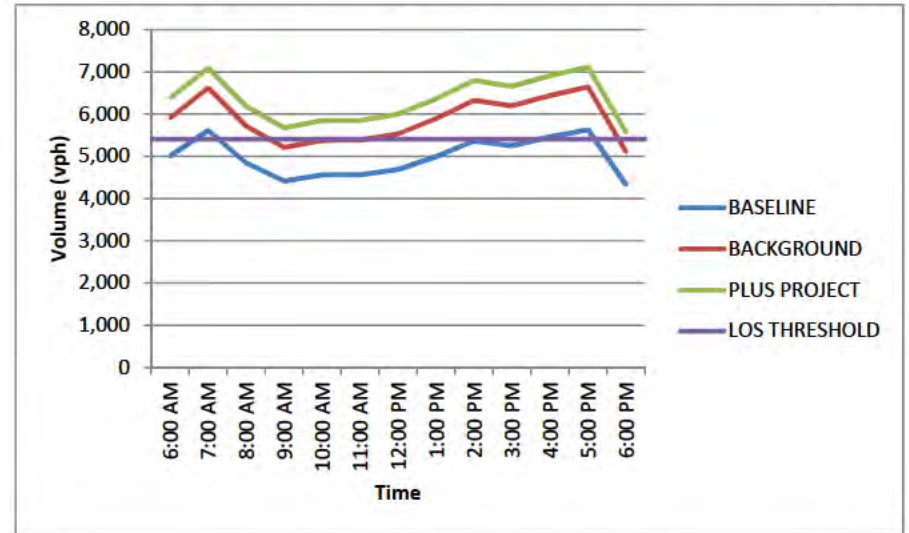


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

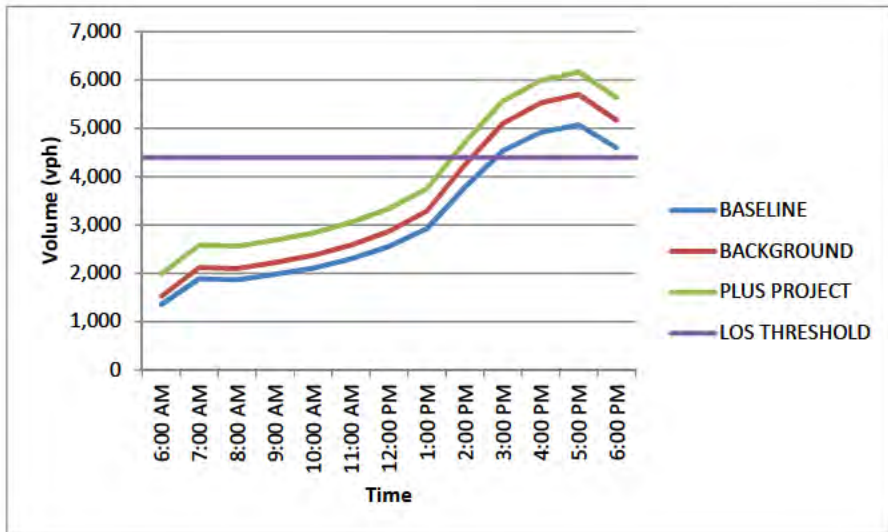
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



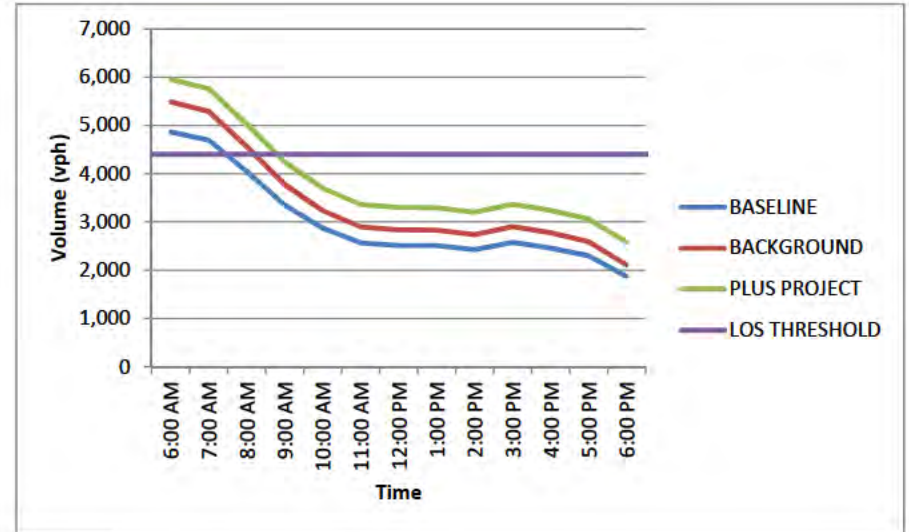
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

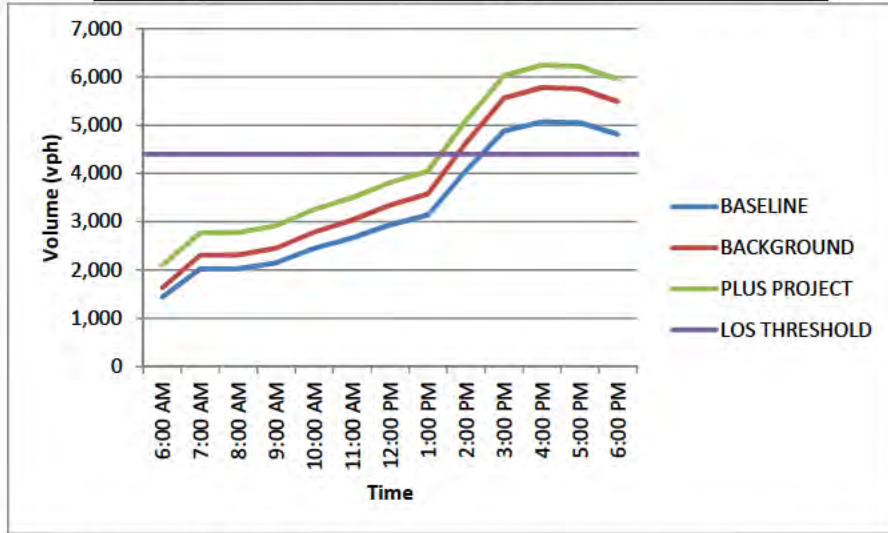


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

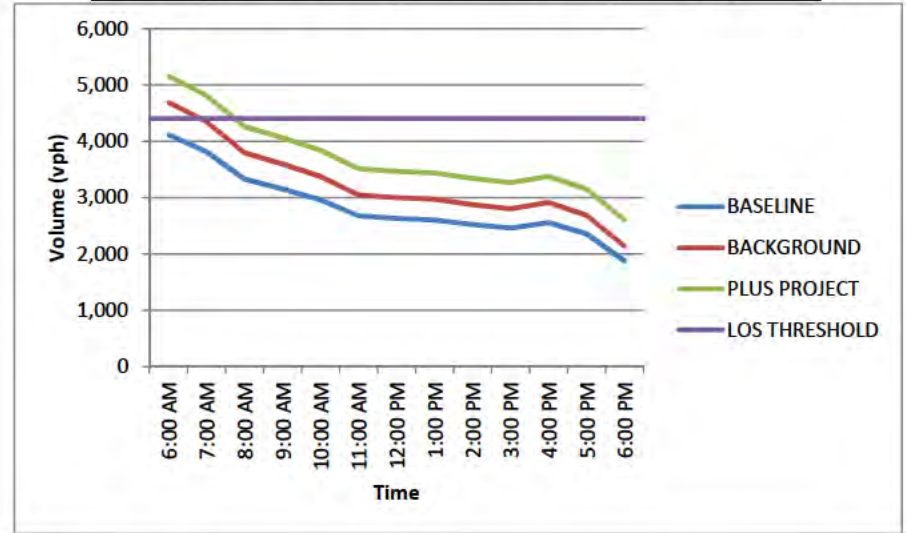


West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - Caltrans

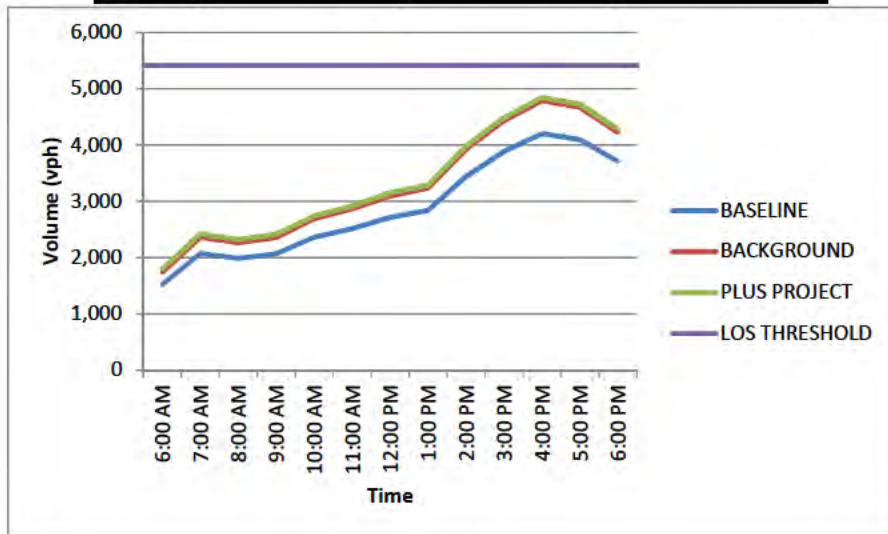
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



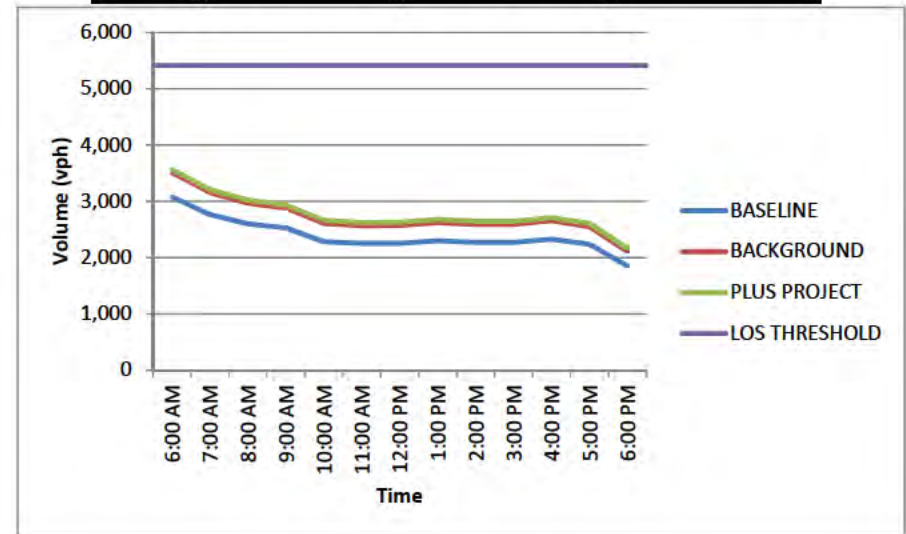
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



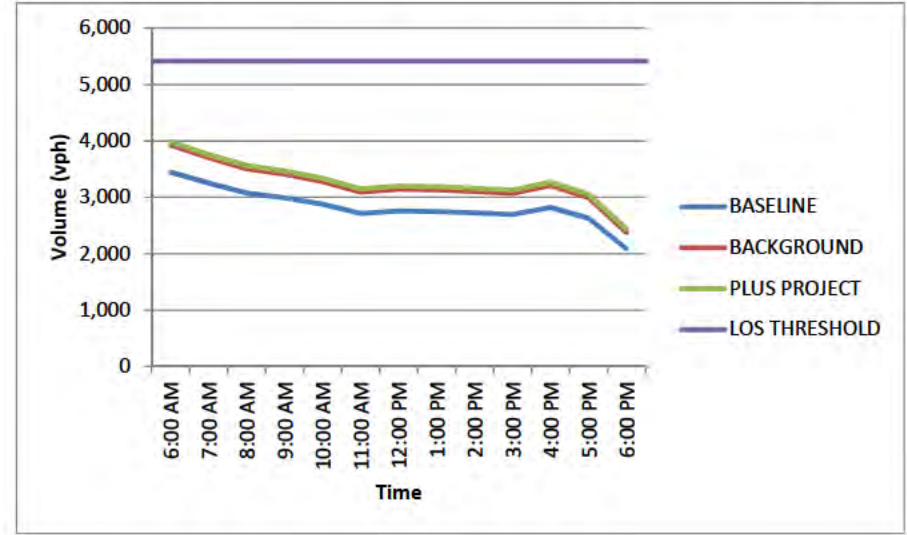
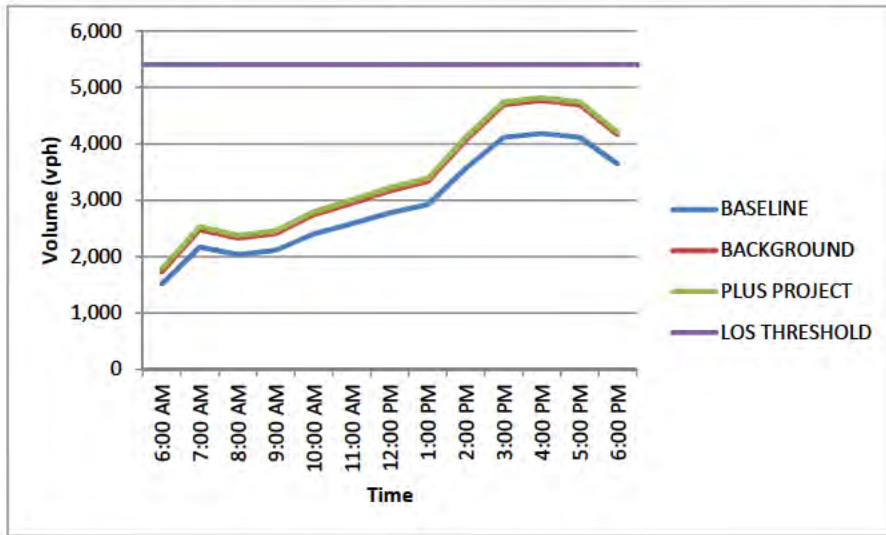
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Caltrans

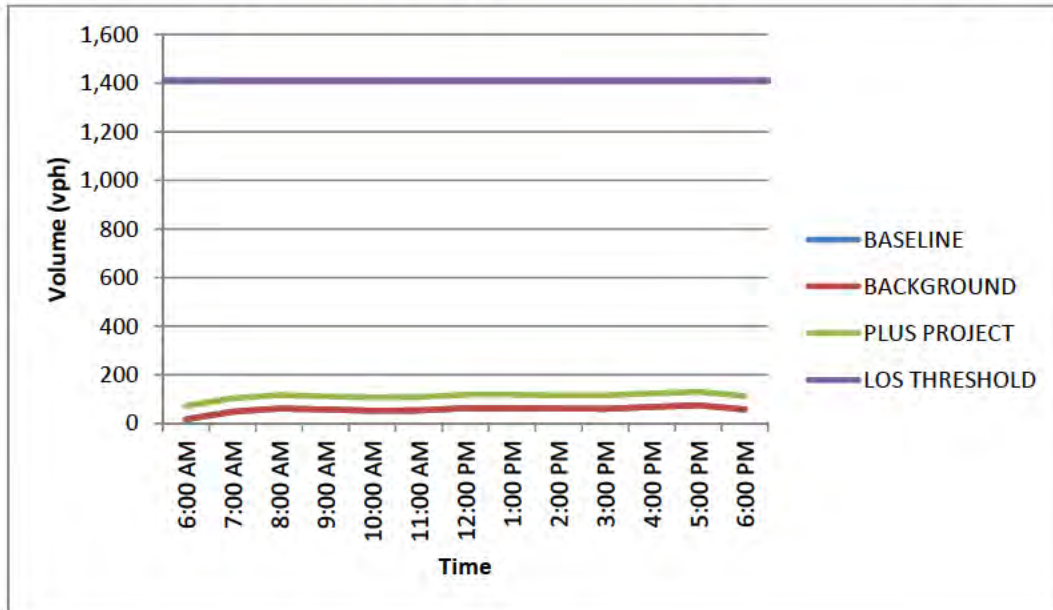
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



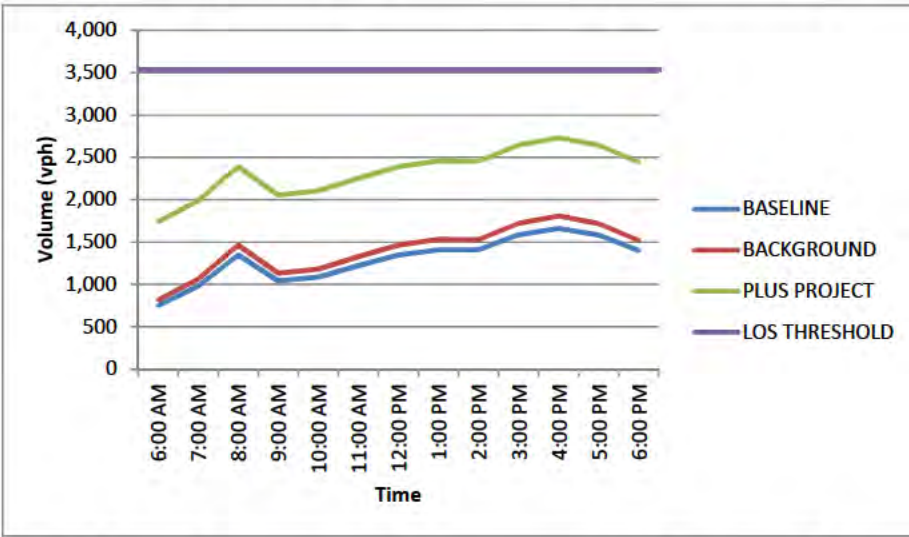
West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - Isleton

ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits

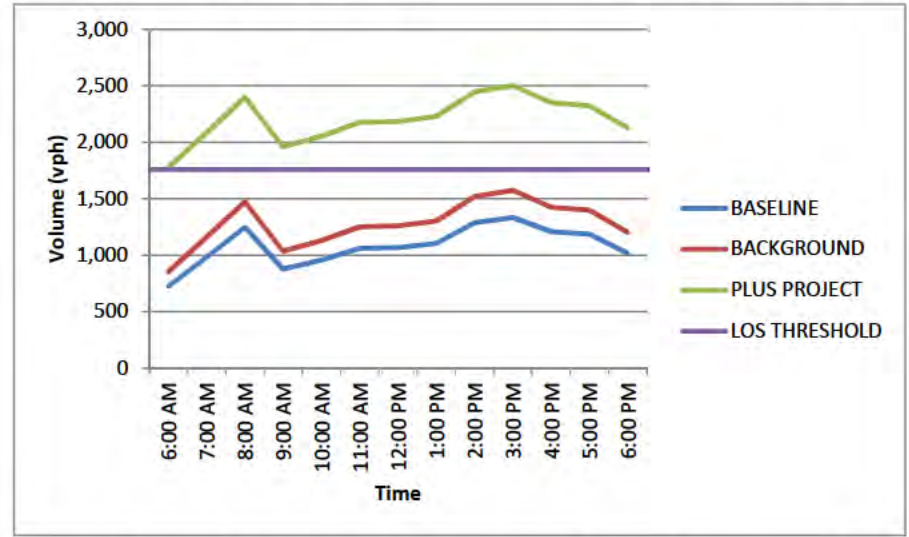


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Oakley

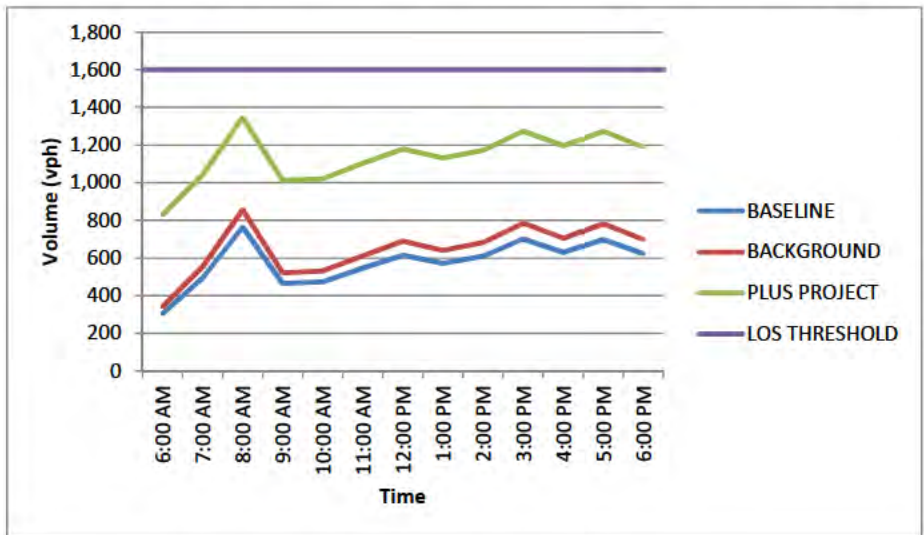
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd



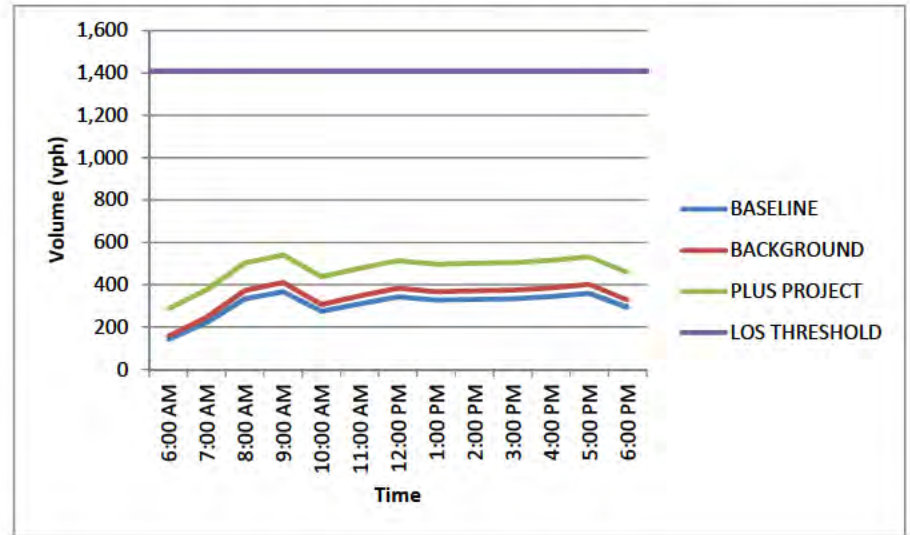
ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

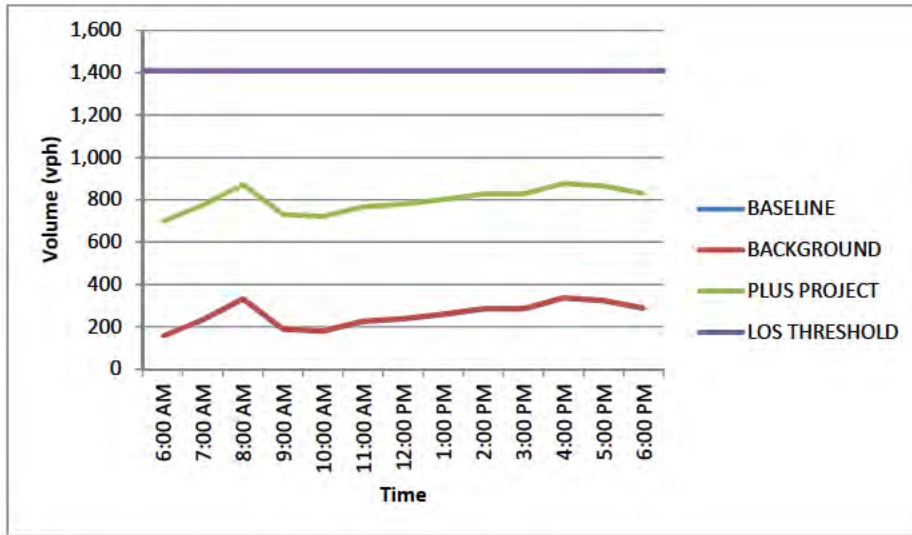


ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Oakley

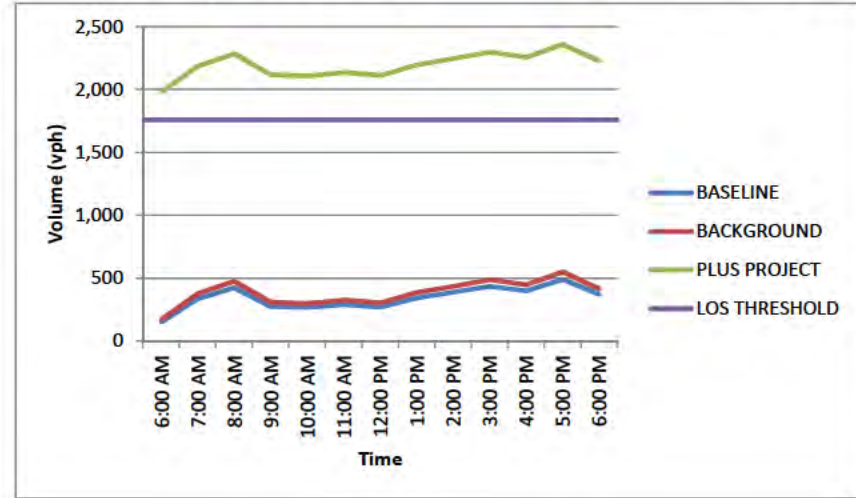
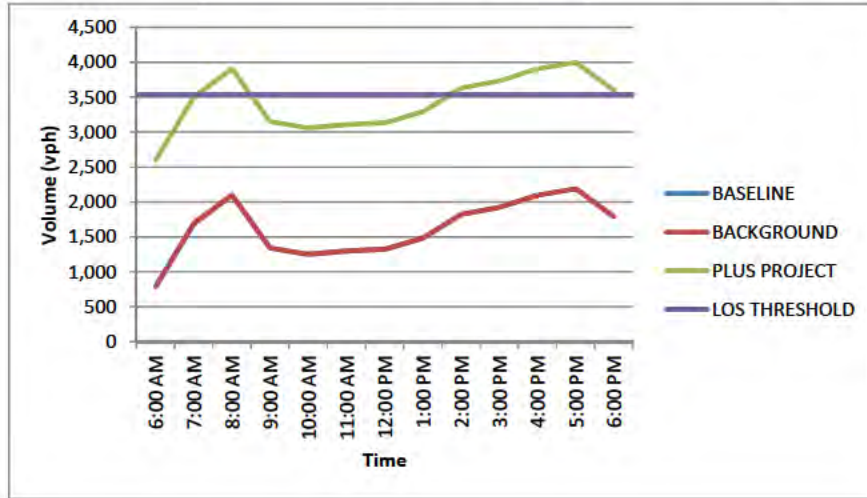
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - City of Sacramento

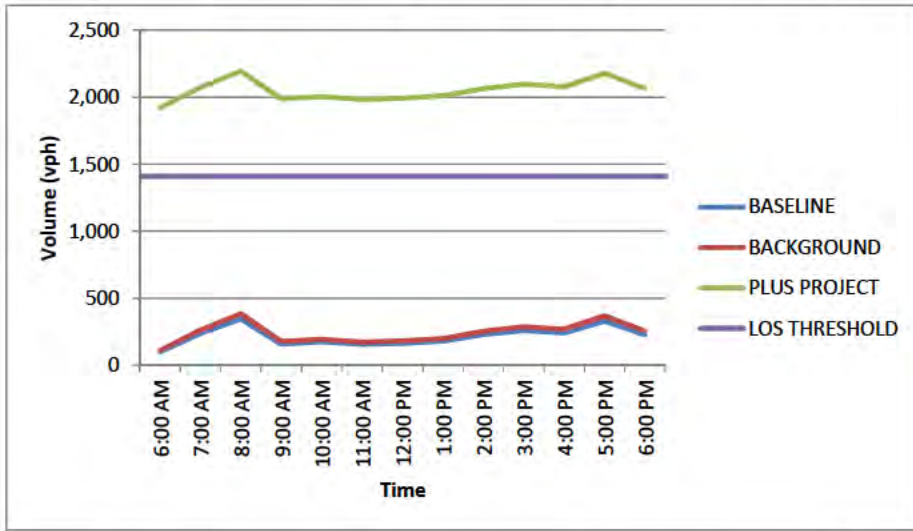
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

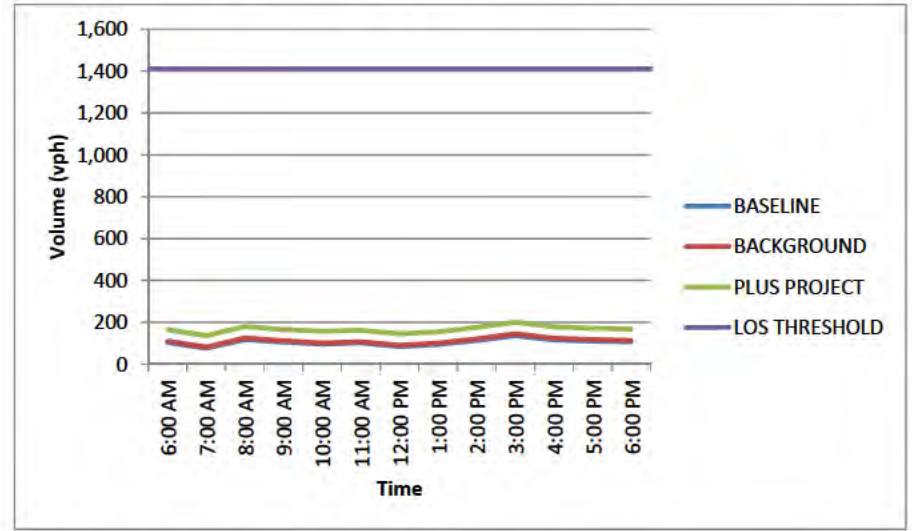


West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

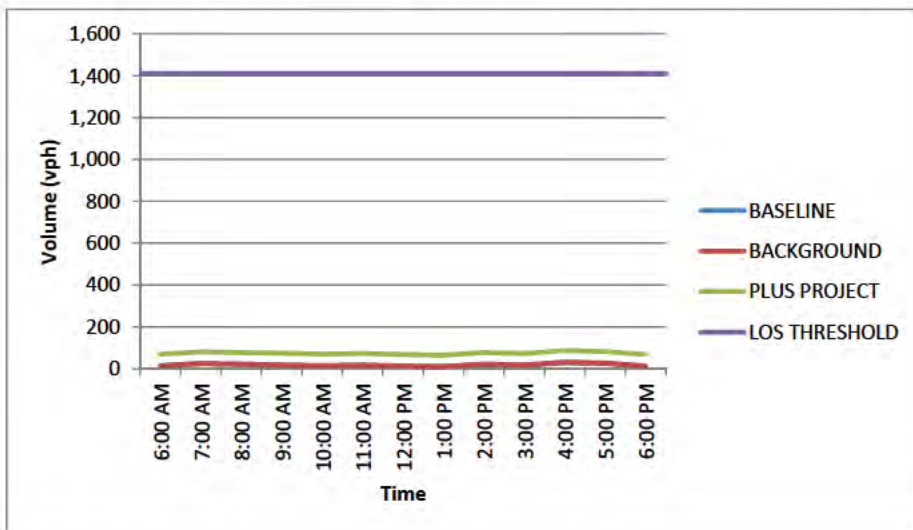
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



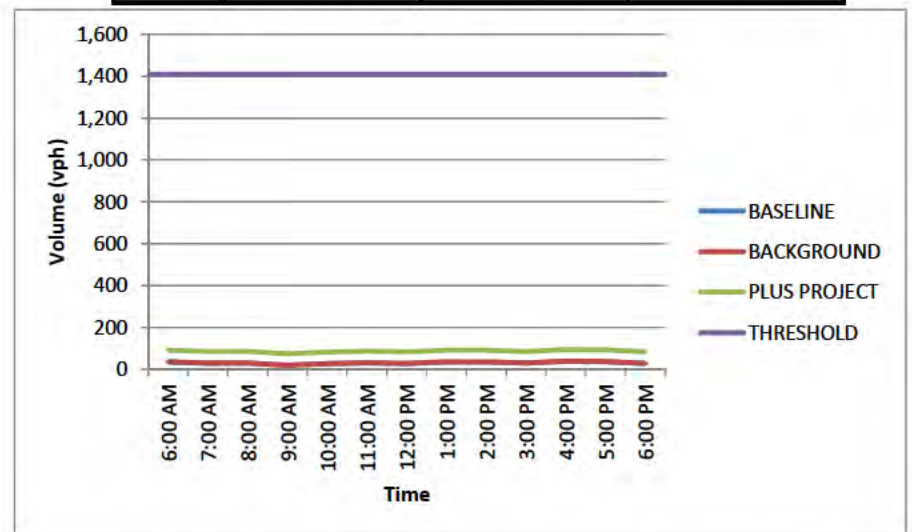
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd

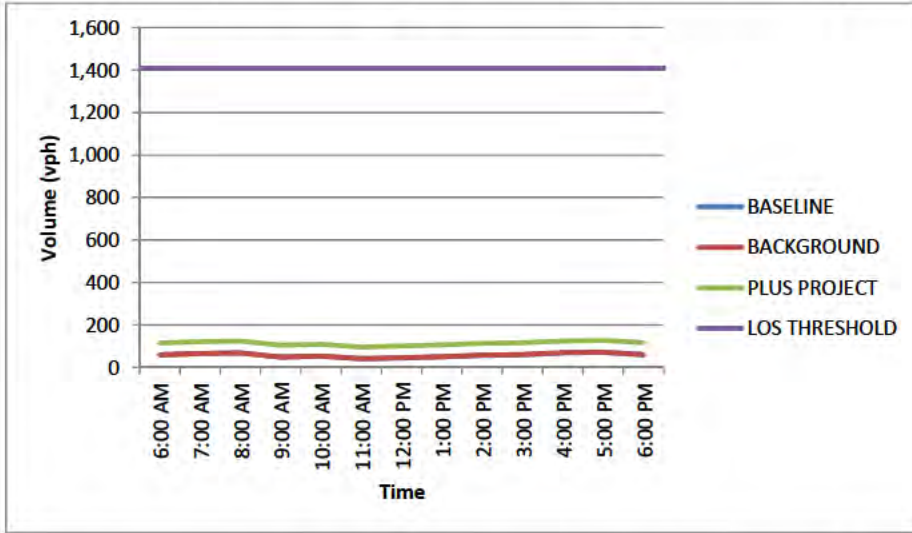


ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd

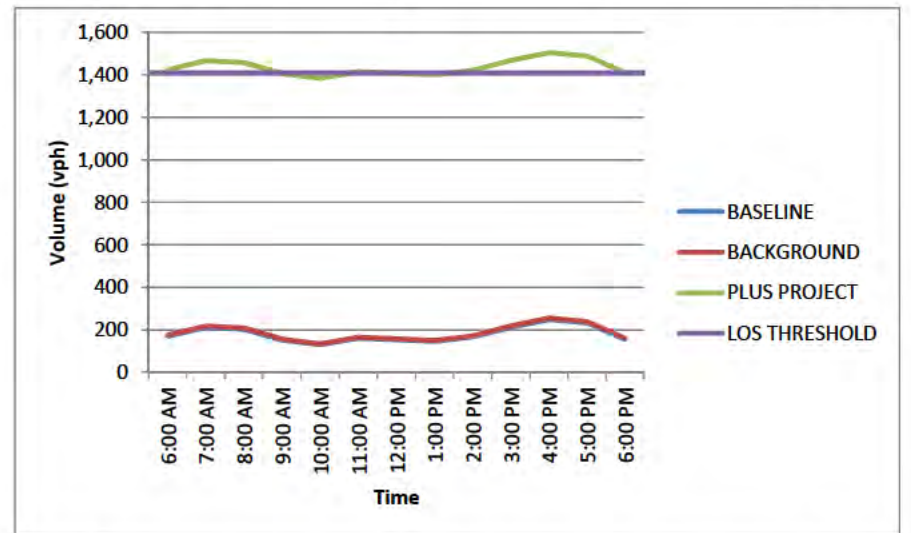


West Alignment Alternative 1C, 2C, and 6C Hourly Roadway Volumes and LOS Threshold - Sacramento County

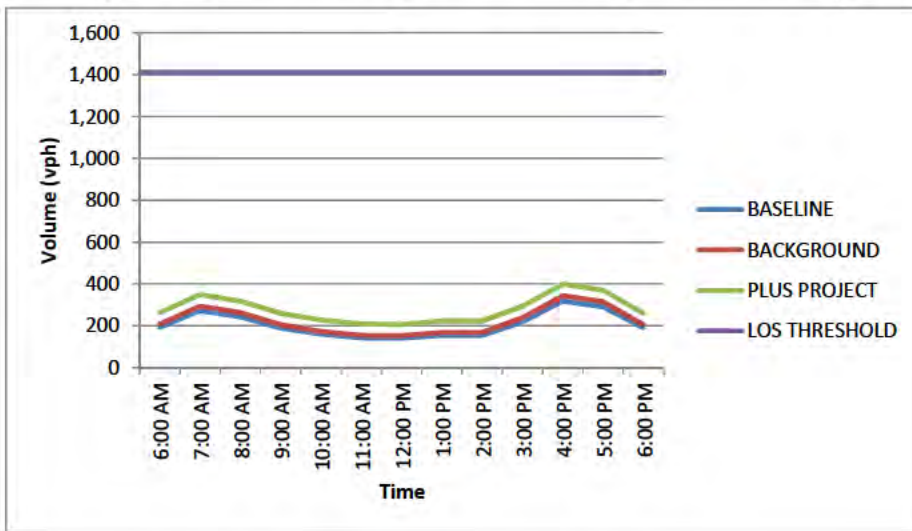
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd



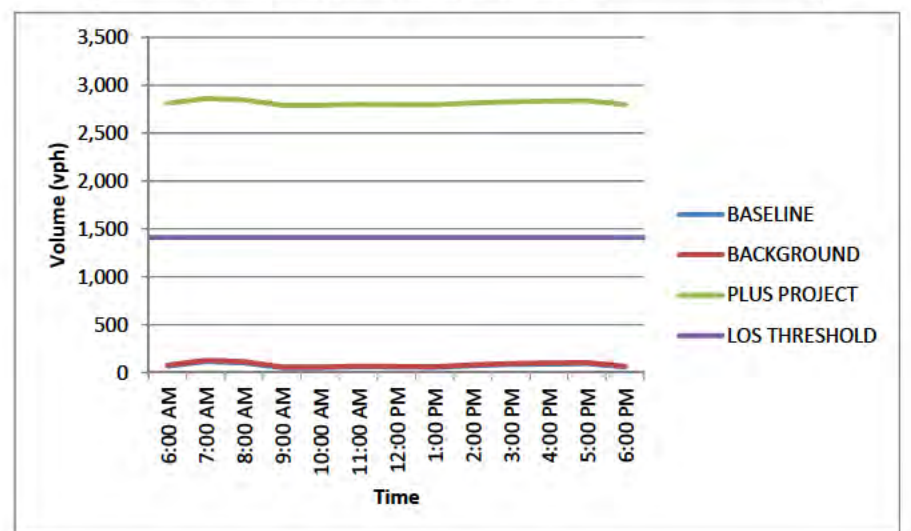
ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd



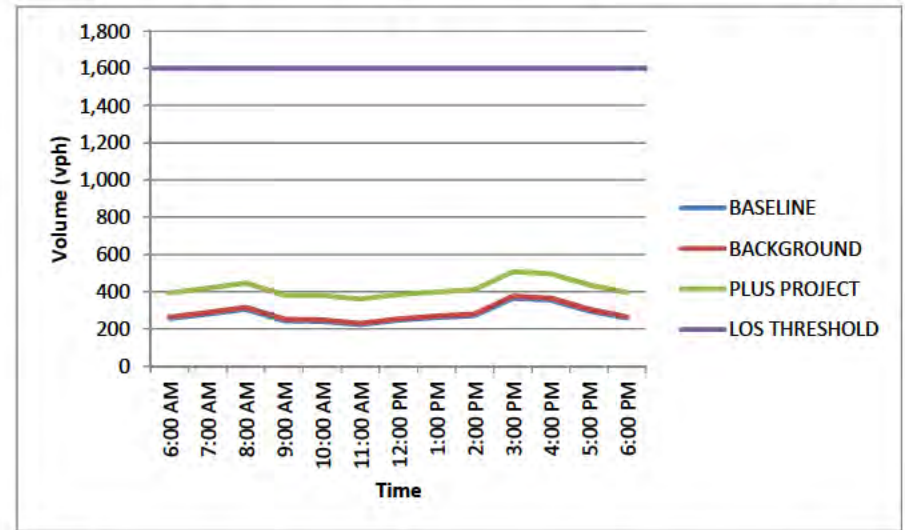
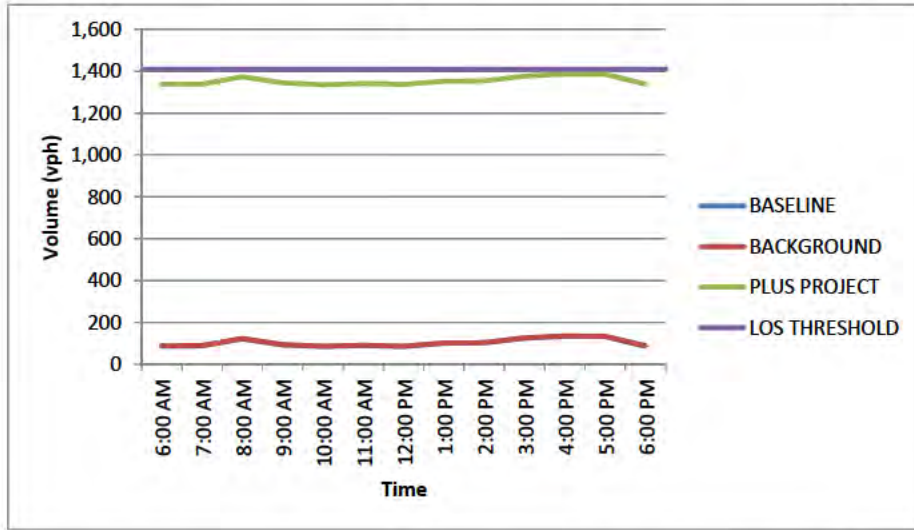
ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge



West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Sacramento County

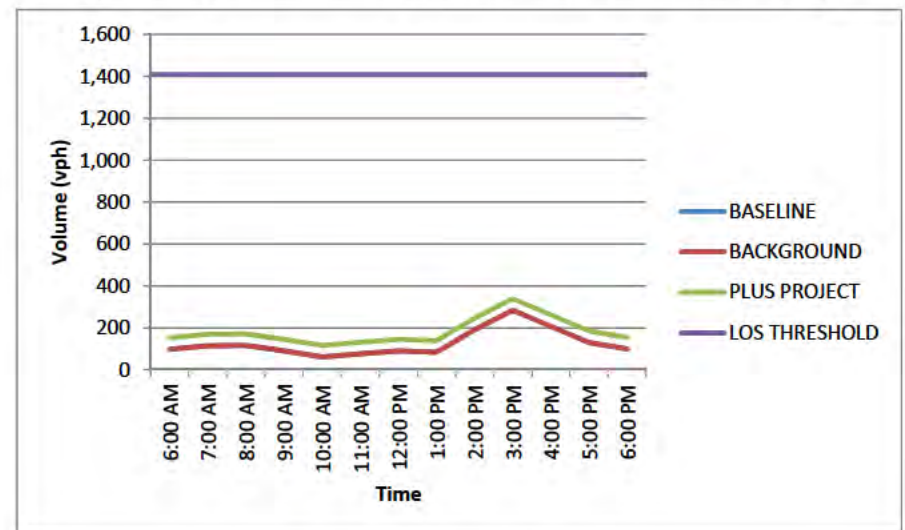
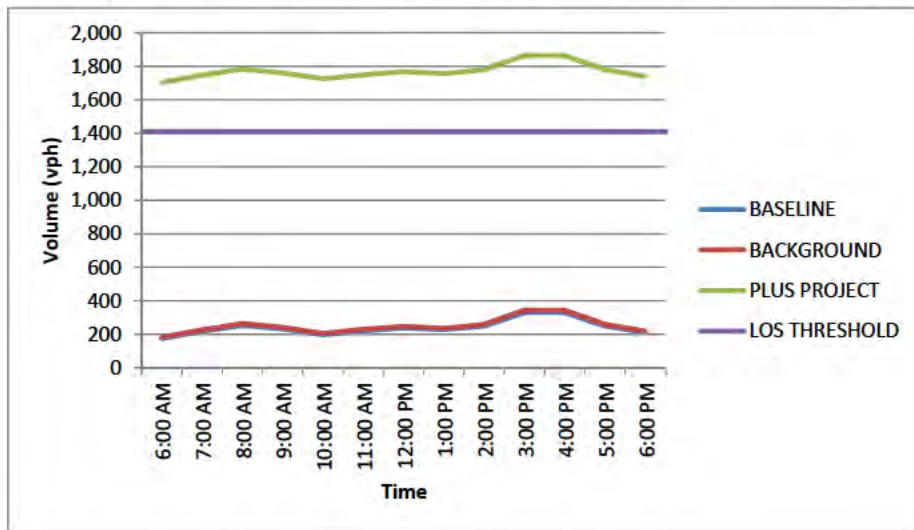
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

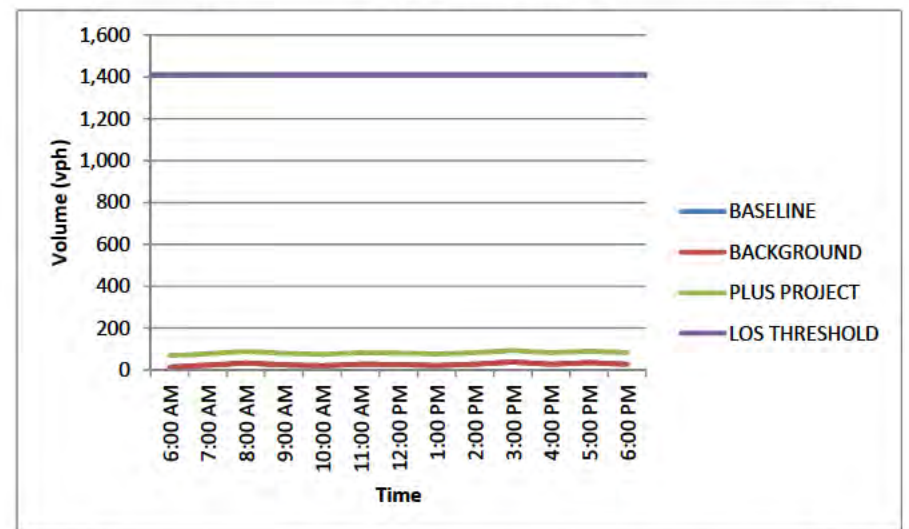
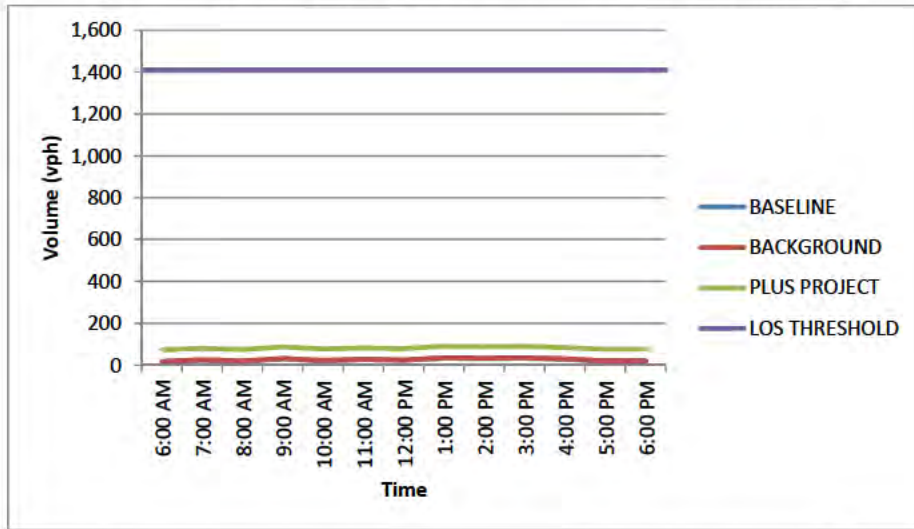
ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge



West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Sacramento County

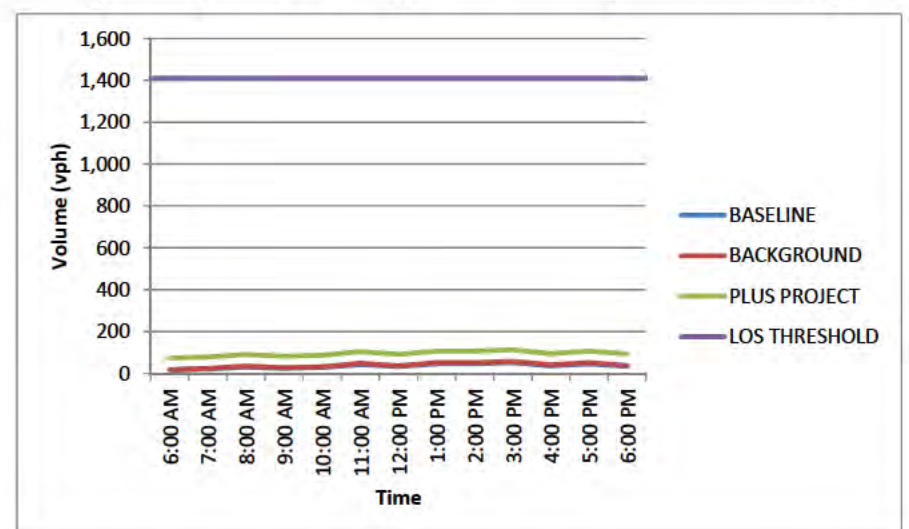
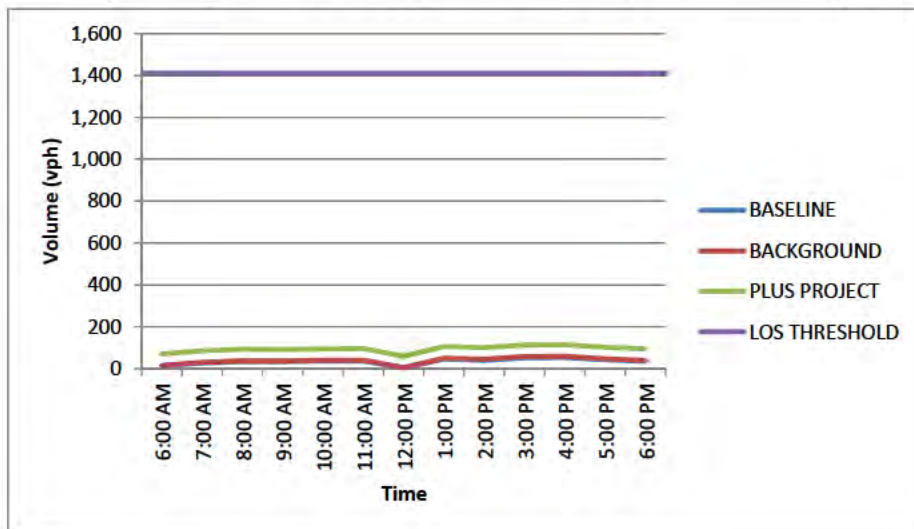
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island

ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



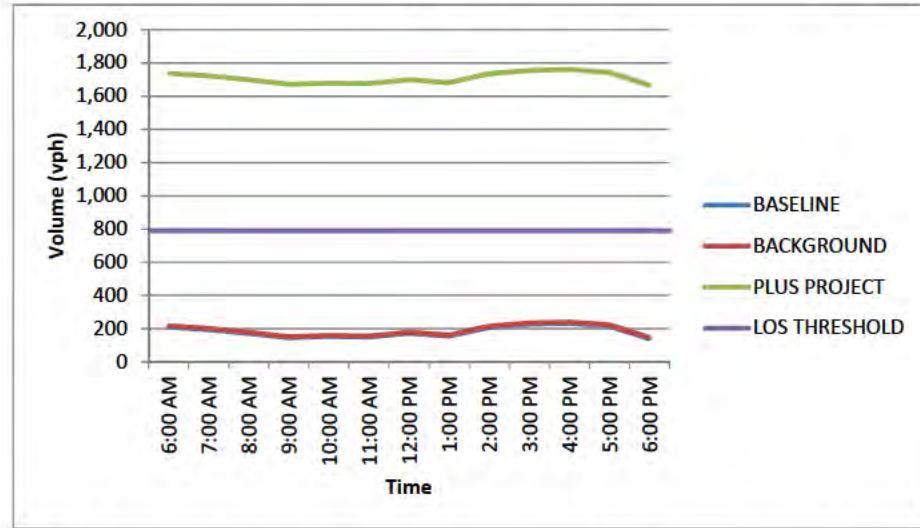
ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

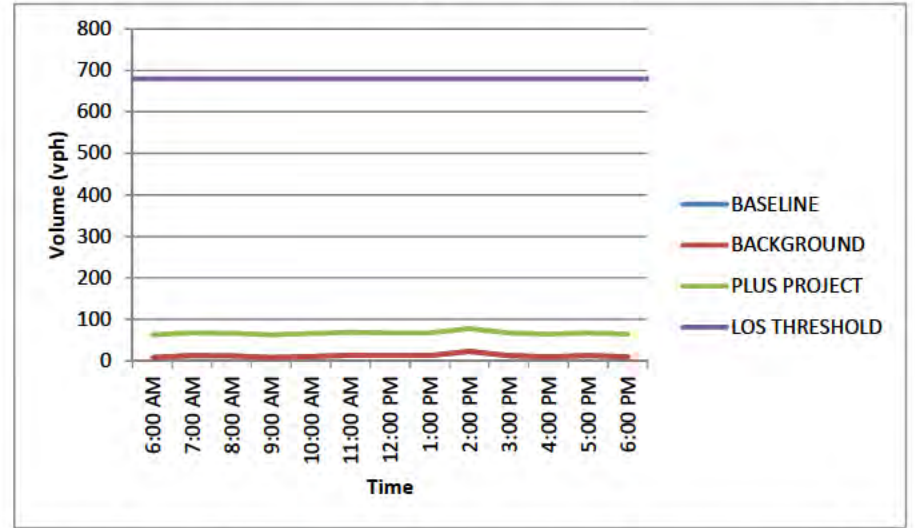


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - San Joaquin County

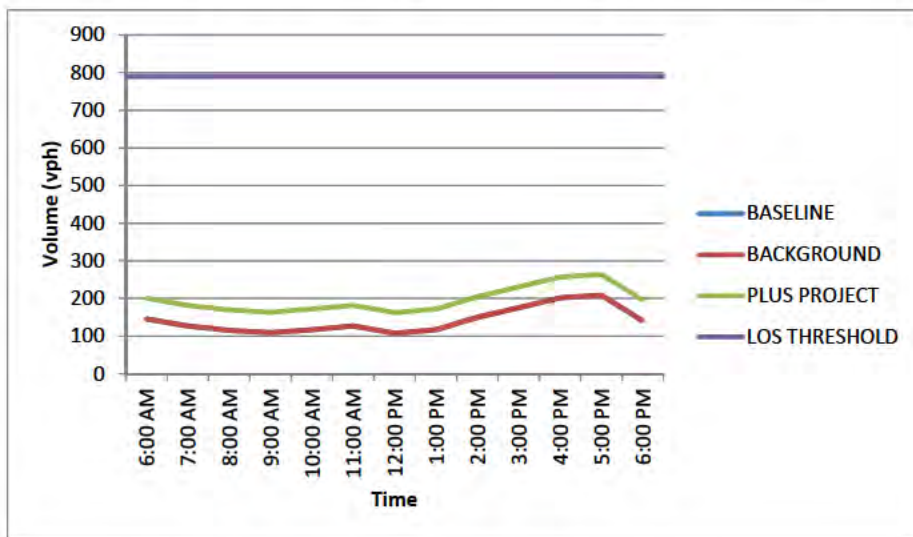
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



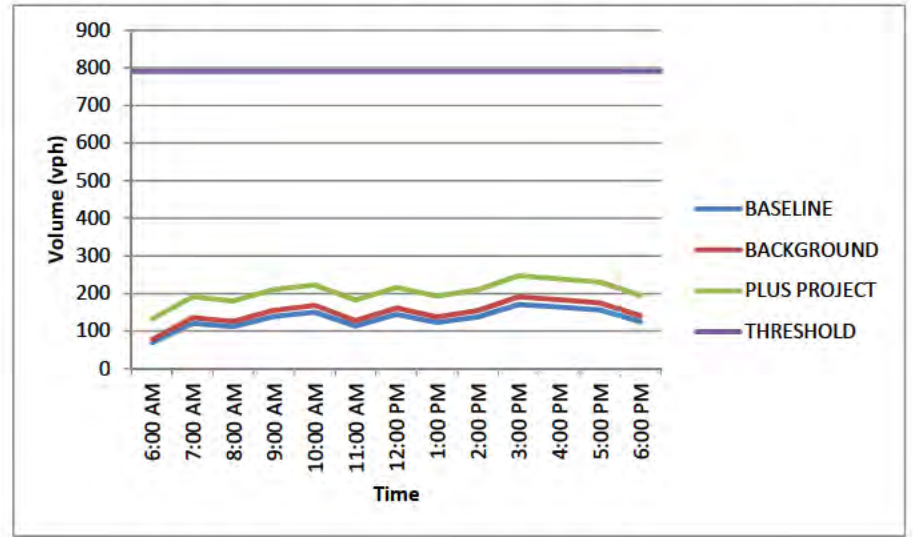
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

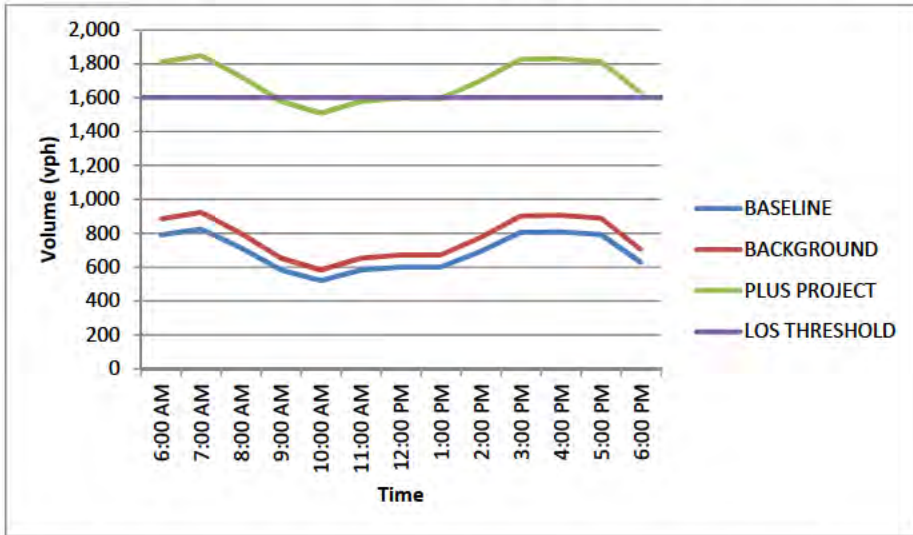


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

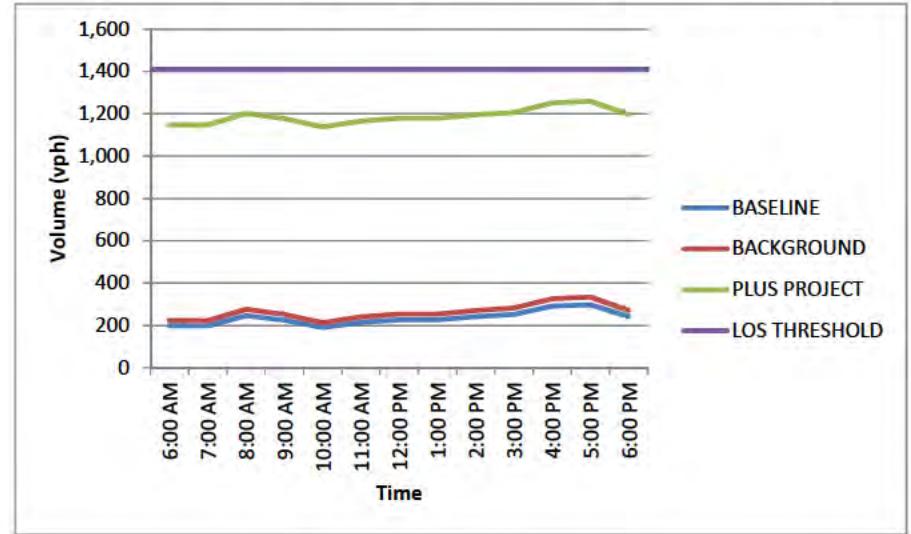


West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - San Joaquin County

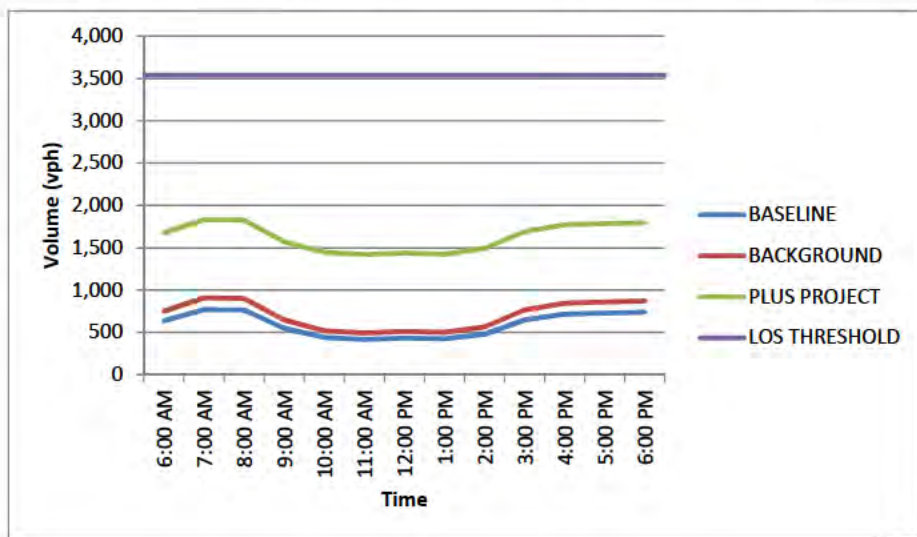
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

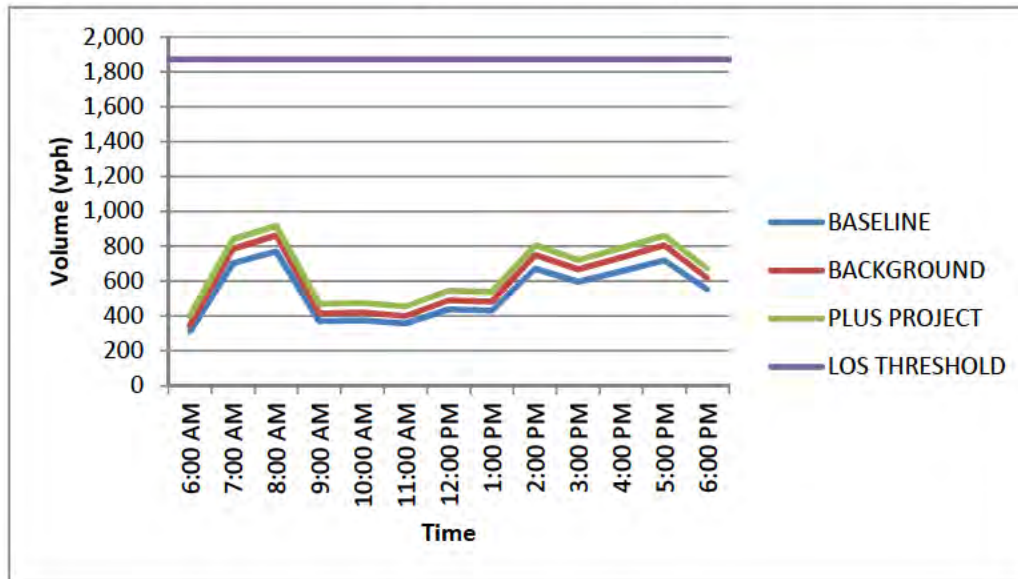


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



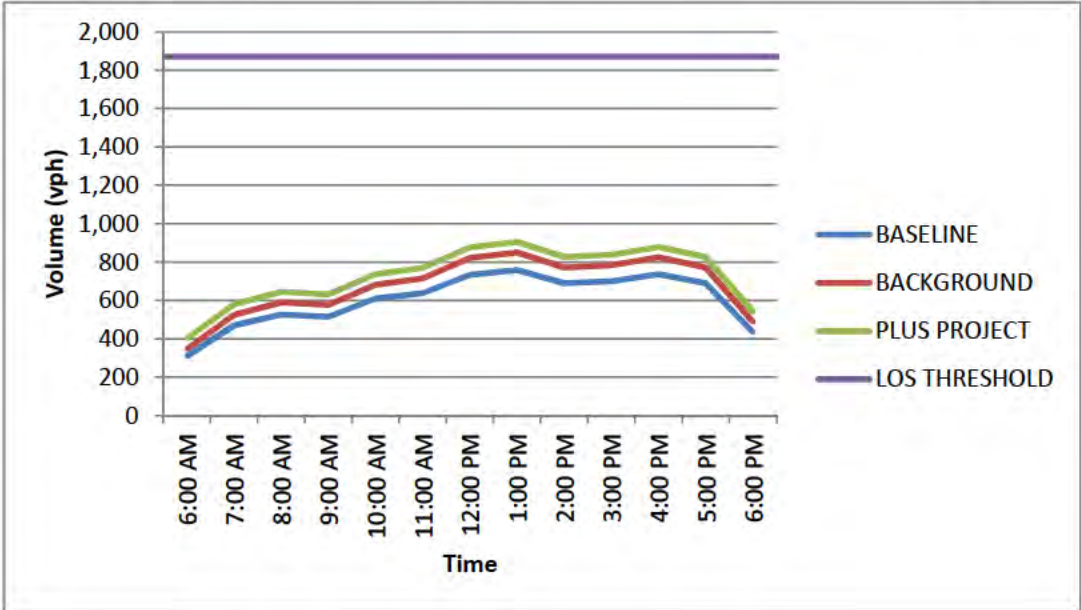
West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - City of Tracy

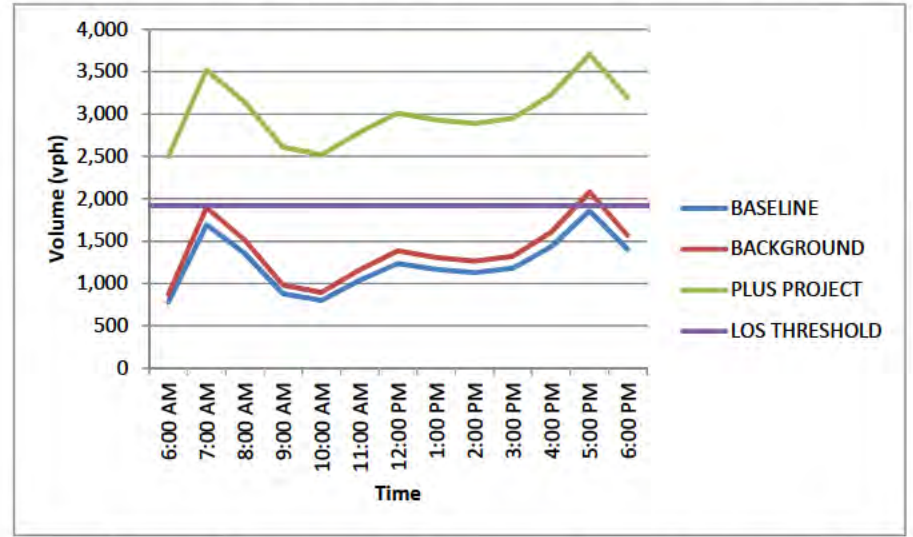
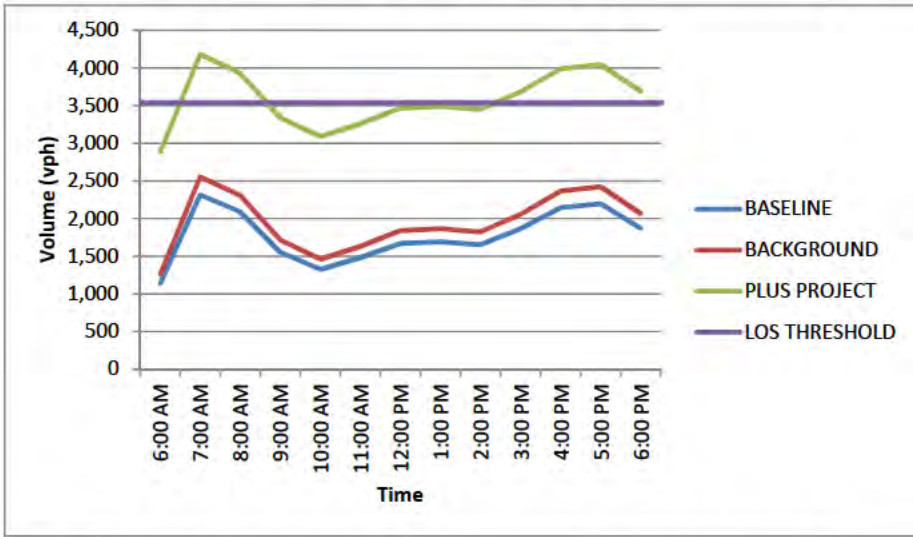
ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205



West Alignment Alternative 1C, 2C, and 6C
 Hourly Roadway Volumes and LOS Threshold - West Sacramento

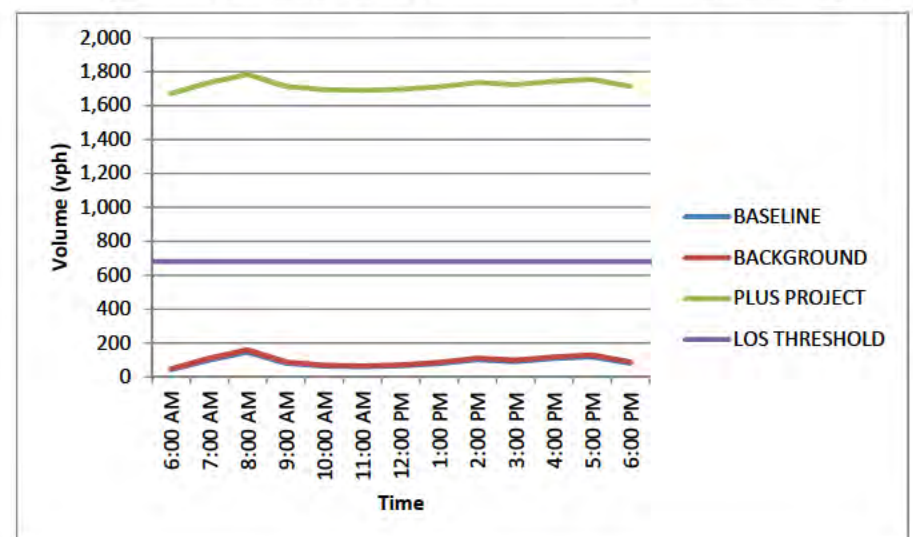
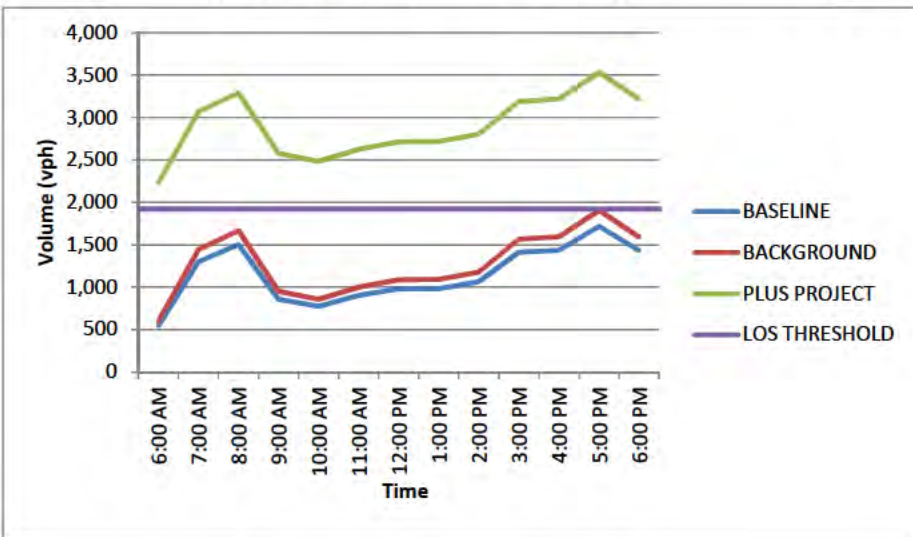
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50

ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy

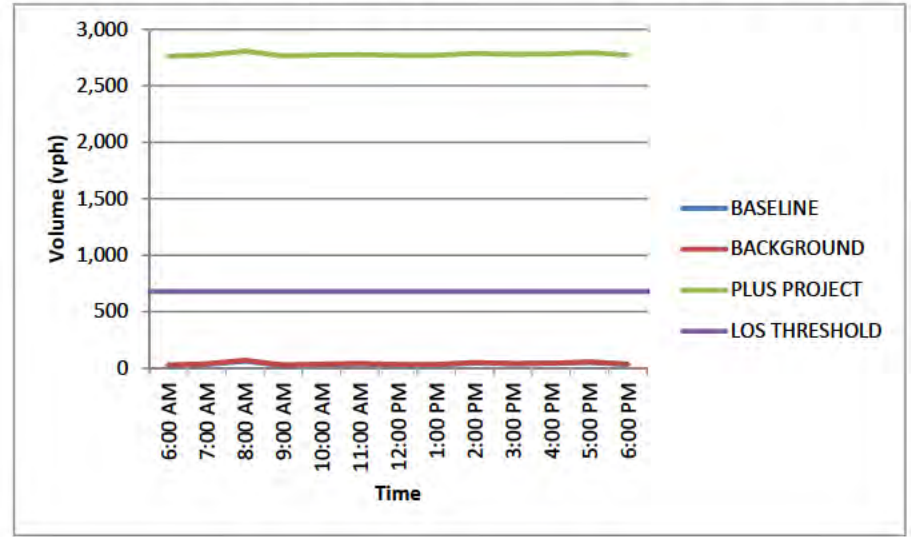
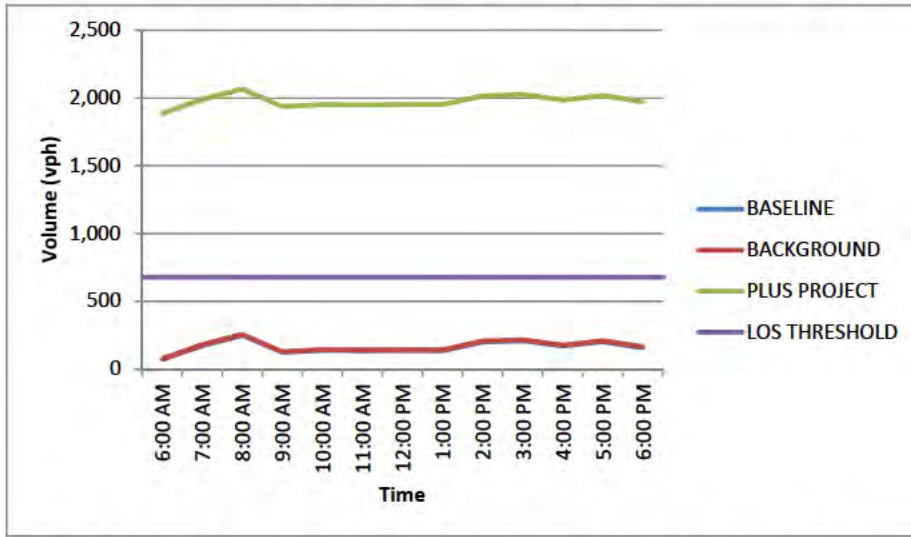
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



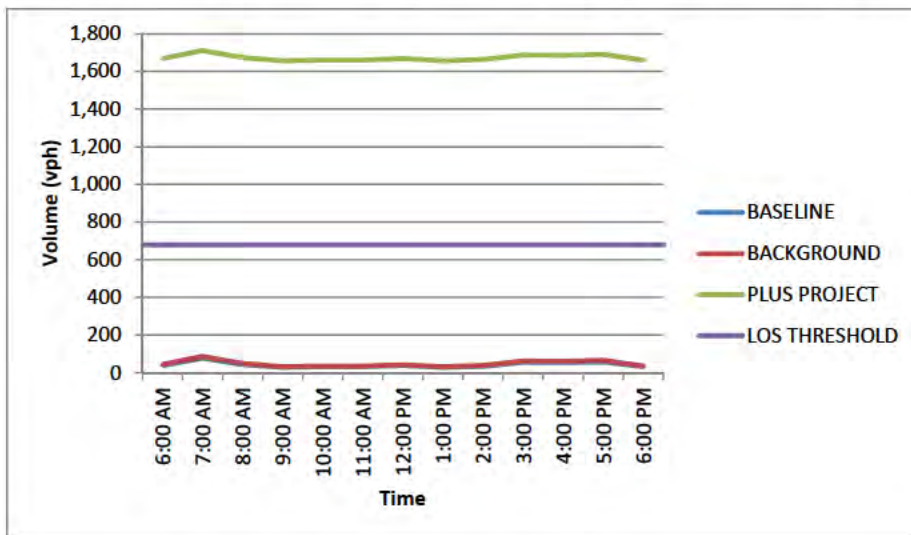
West Alignment Alternative 1C, 2C, and 6C
Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd



Pipeline/Tunnel Alternative 2D

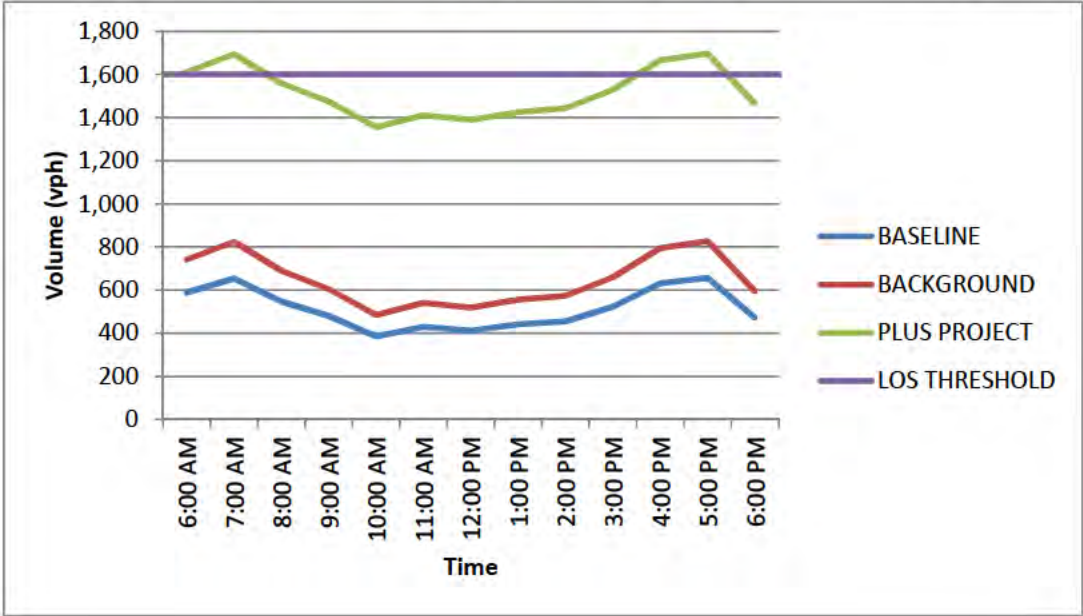
Hourly Roadway Volumes and LOS Threshold Charts

Chart Notes:

- For roadway segments with no growth in background traffic, the “Background” traffic volume is equal to the “Baseline” traffic volume.
- For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic volume is equal to the “Baseline” and “Background” traffic volumes.

Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

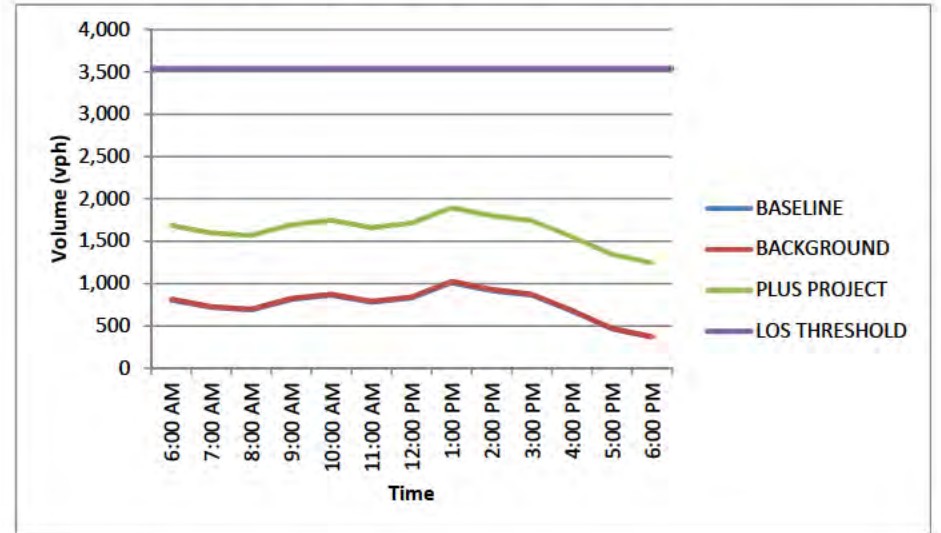
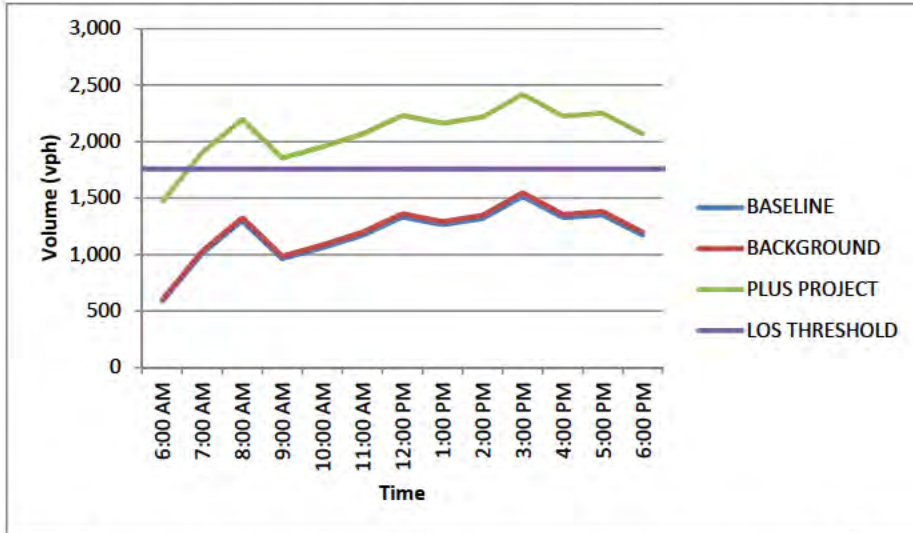
ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line



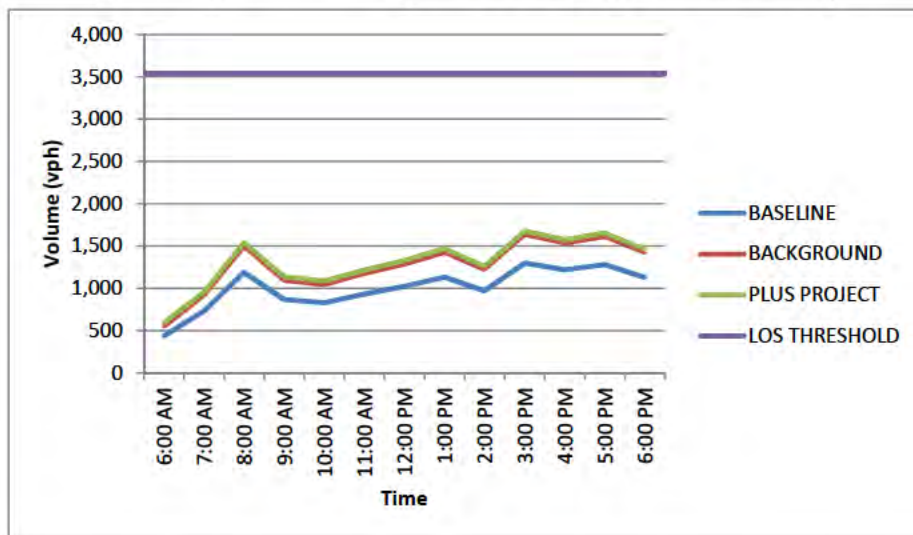
Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - City of Brentwood

ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd

ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)



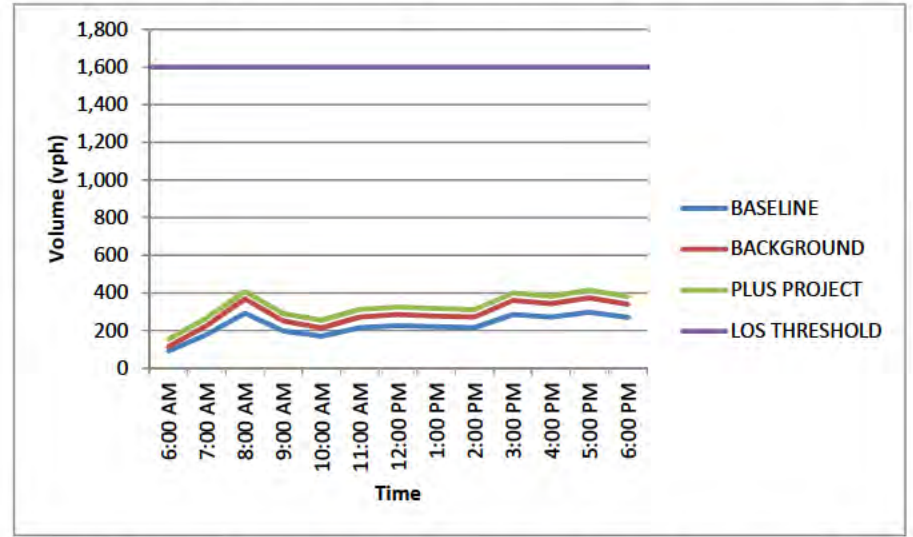
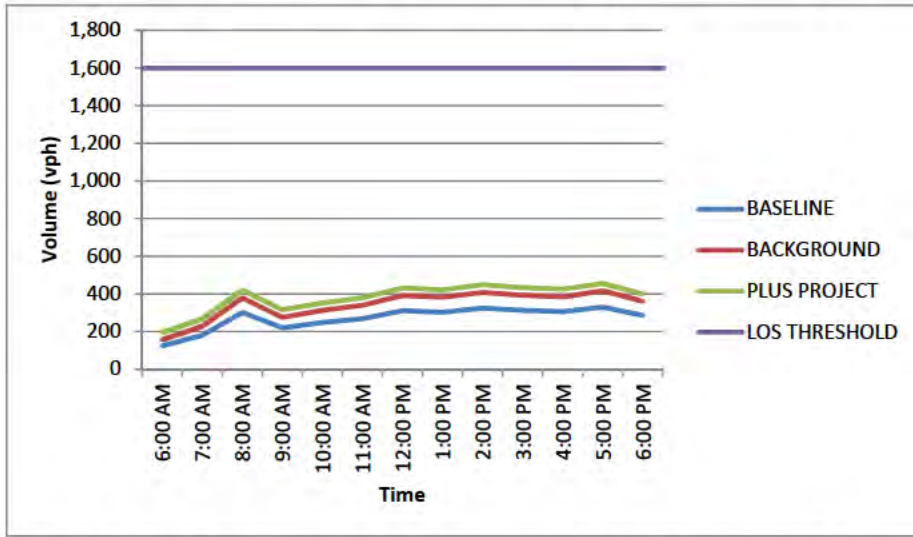
ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

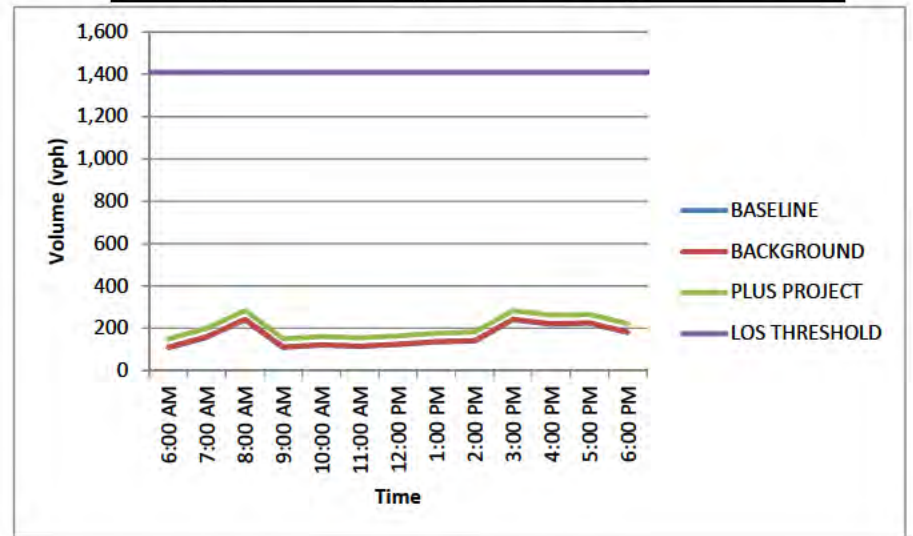
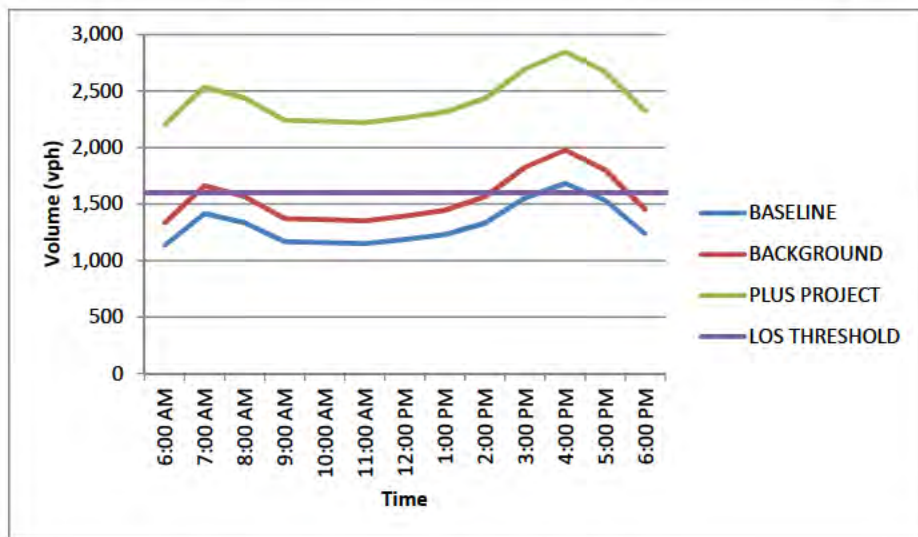
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End

ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



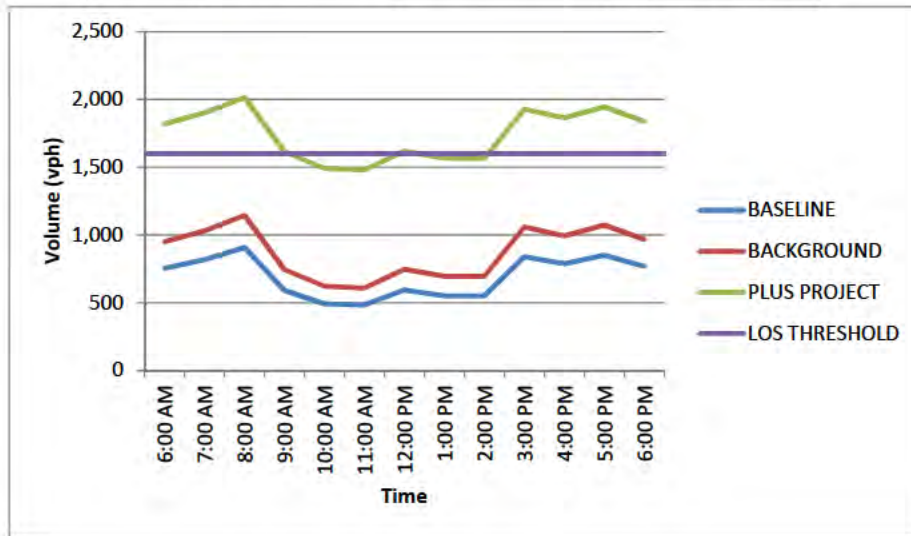
ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



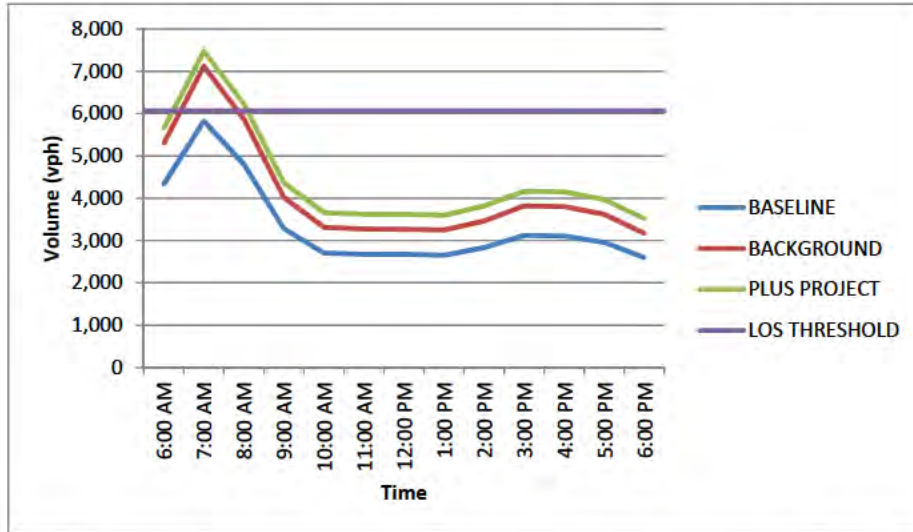
Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

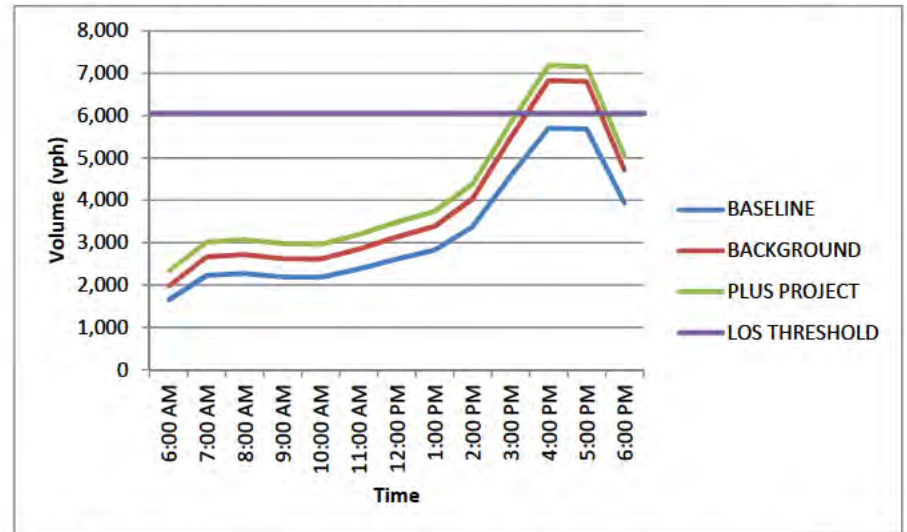


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

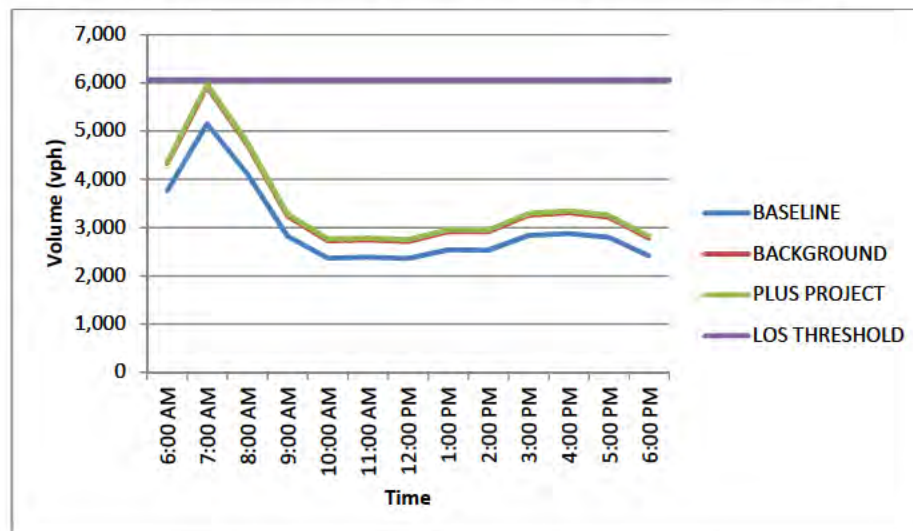
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



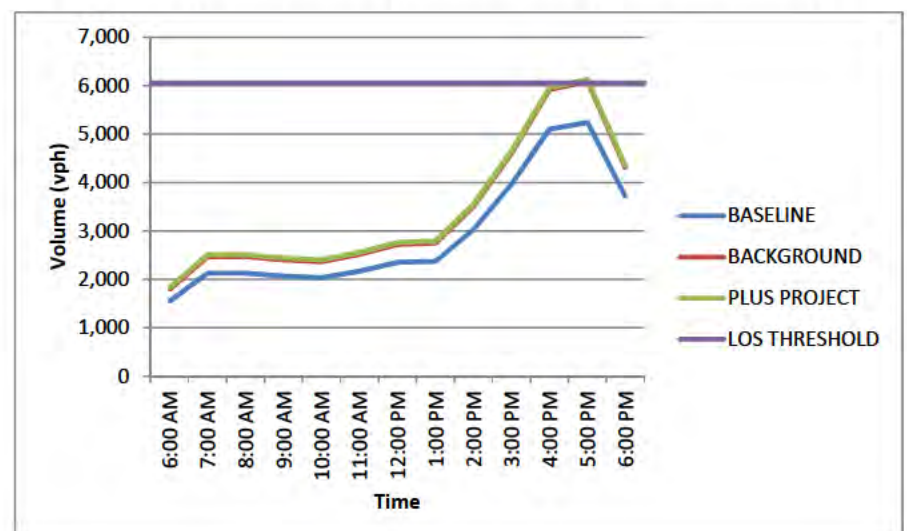
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

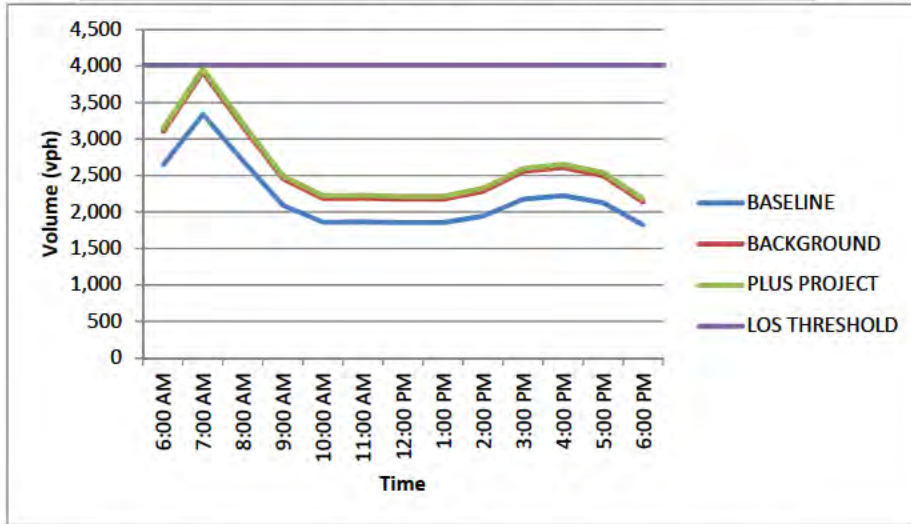


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

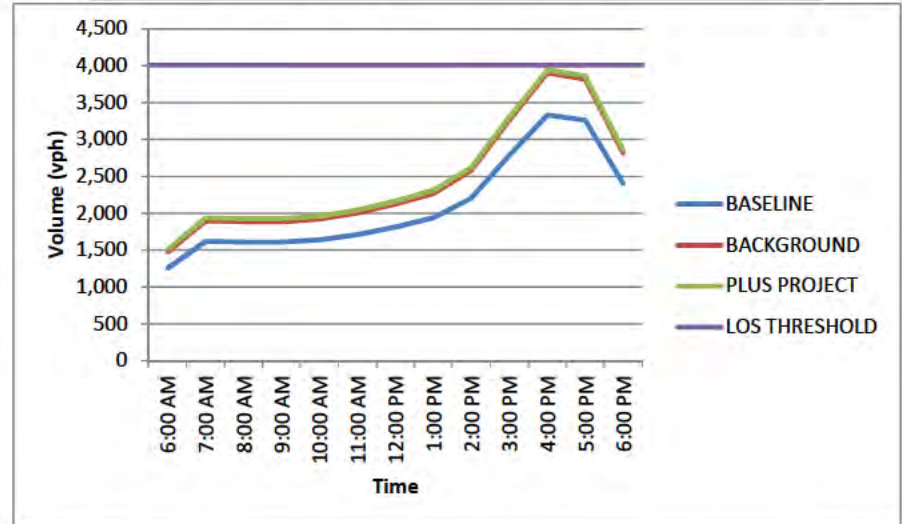


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

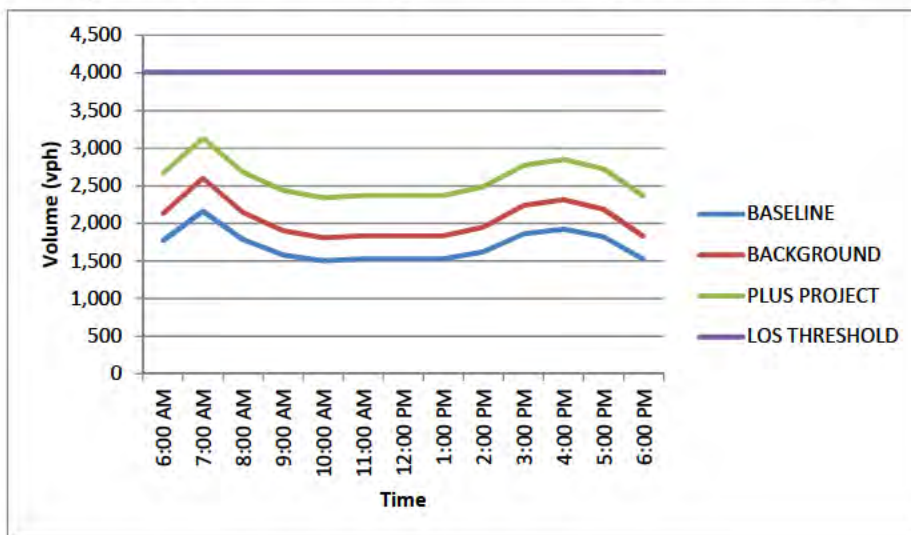
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



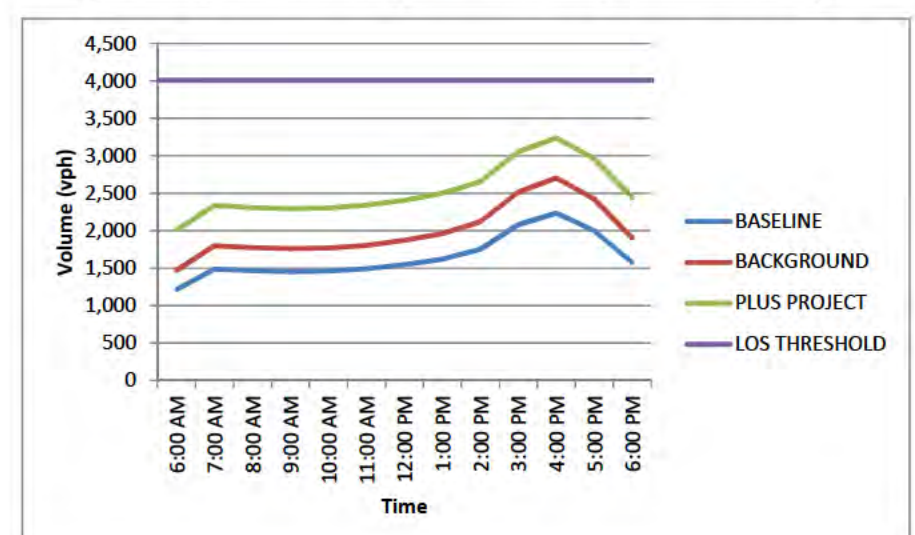
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



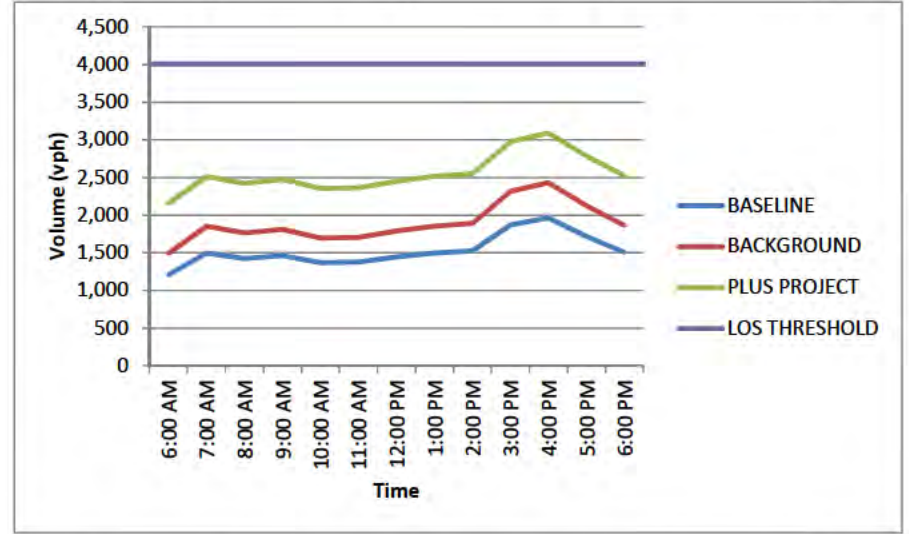
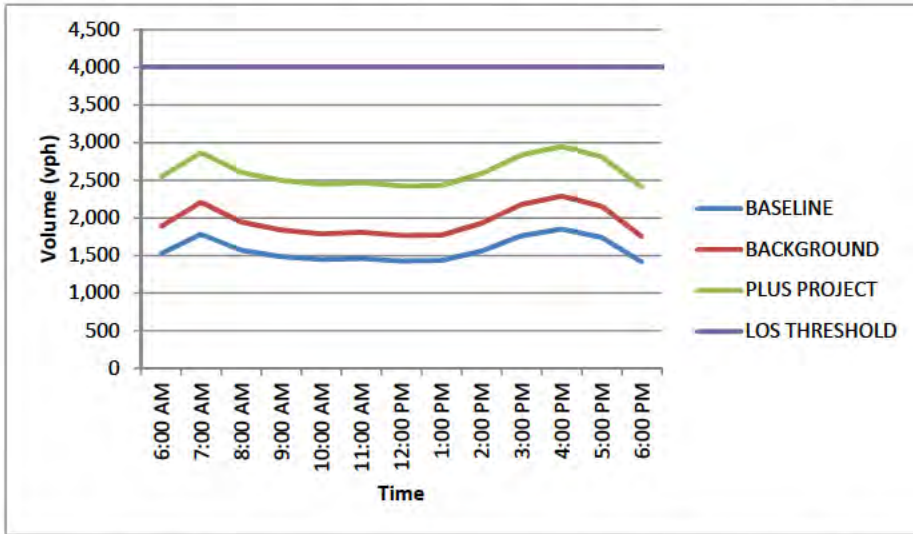
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

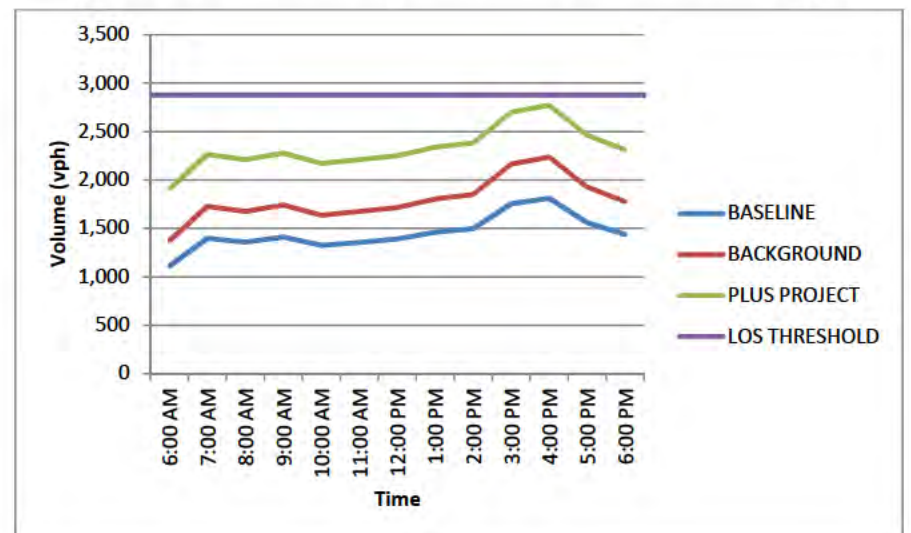
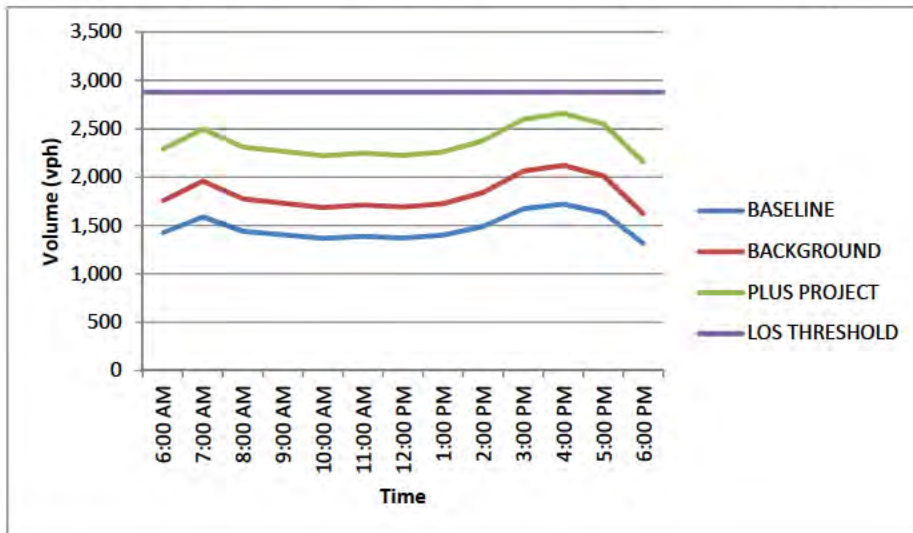
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

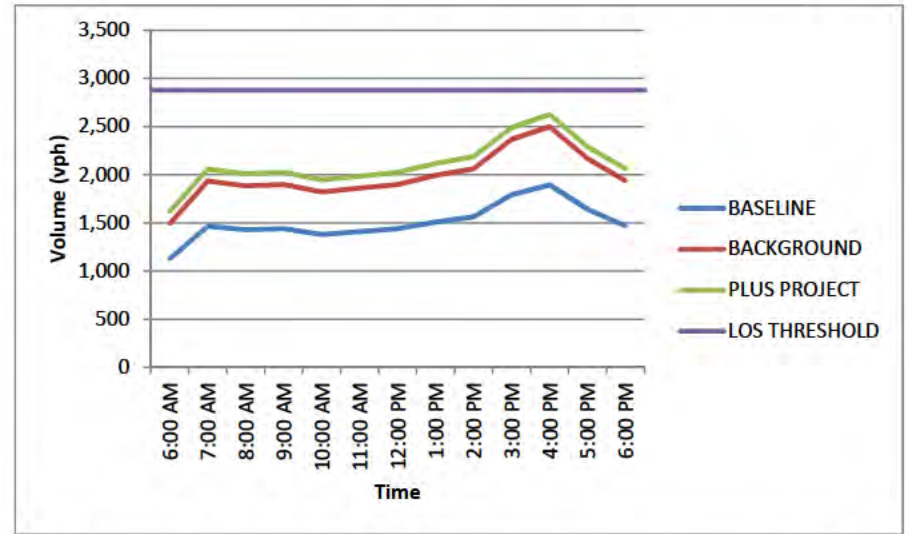
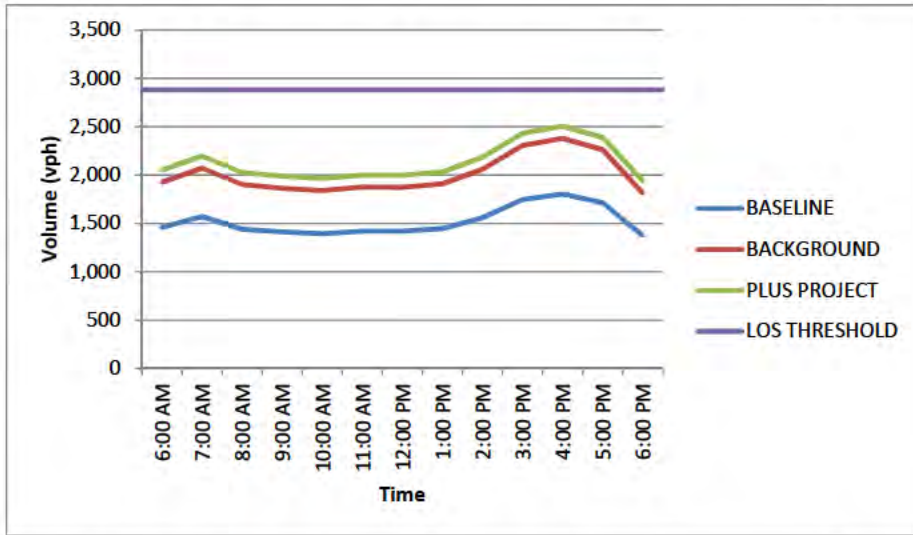
ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd



Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

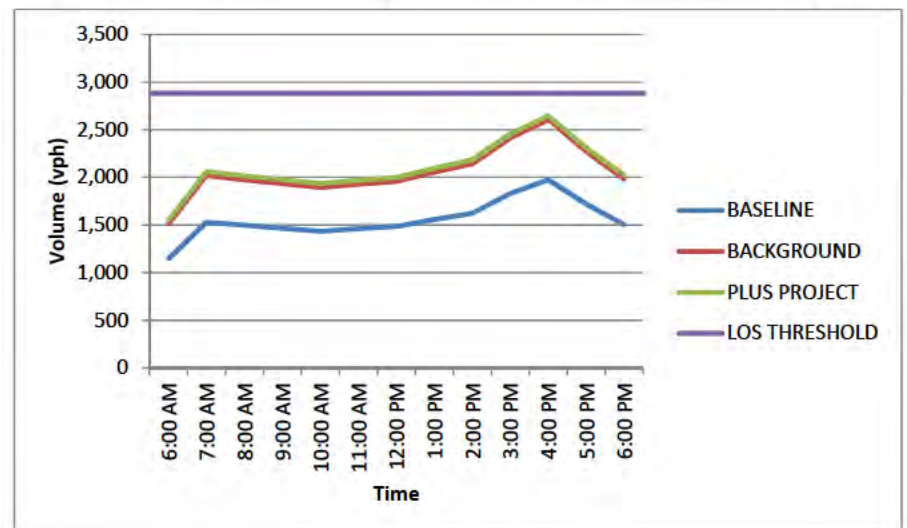
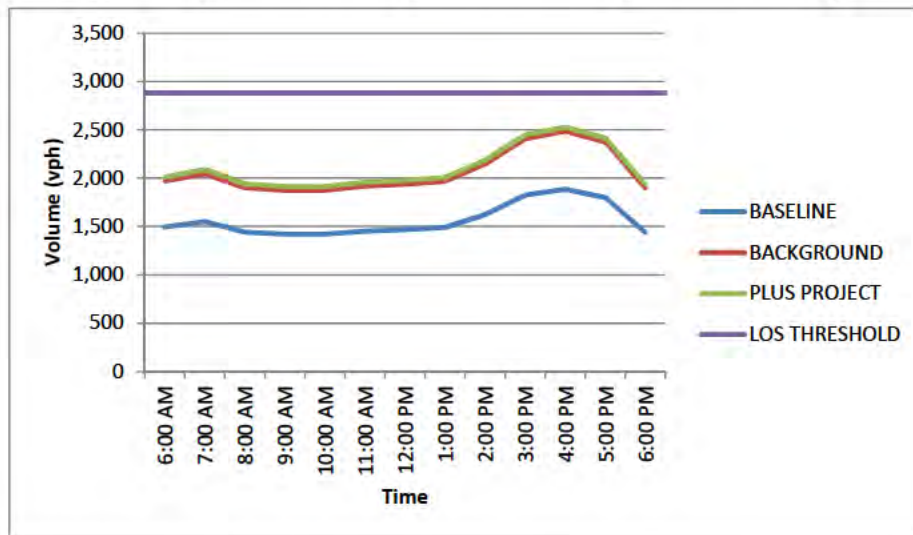
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd

ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

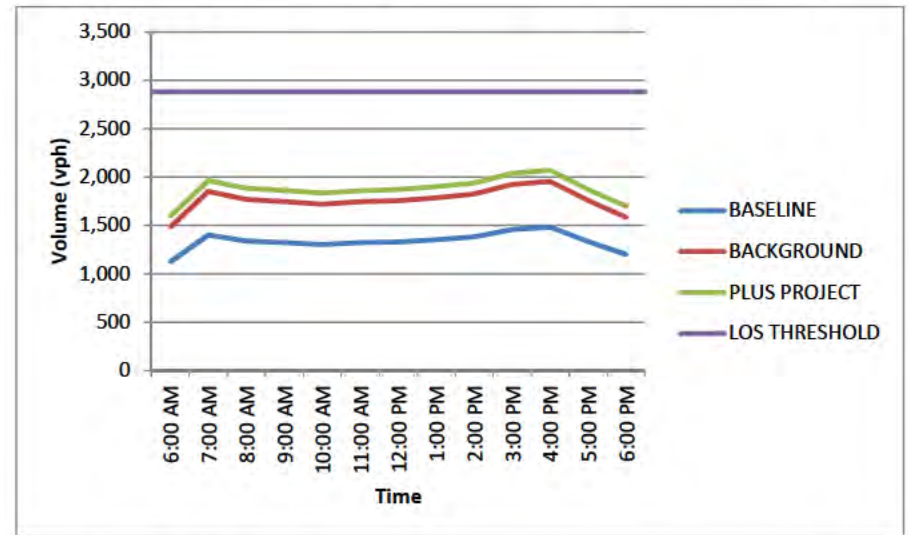
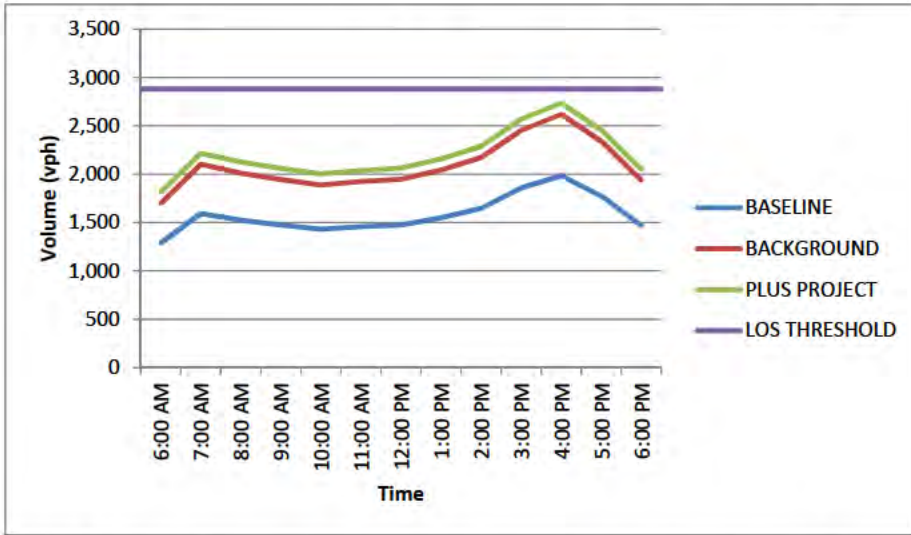
ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd



Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

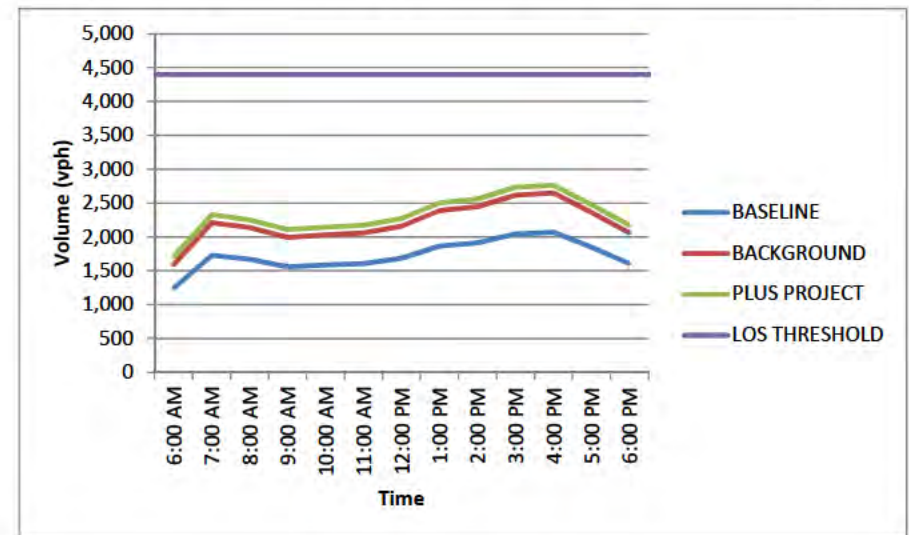
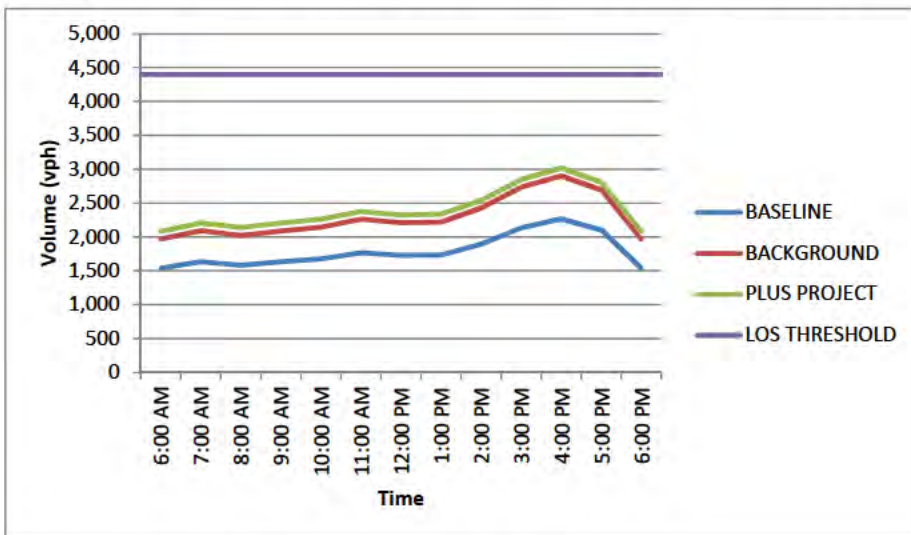
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd

ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



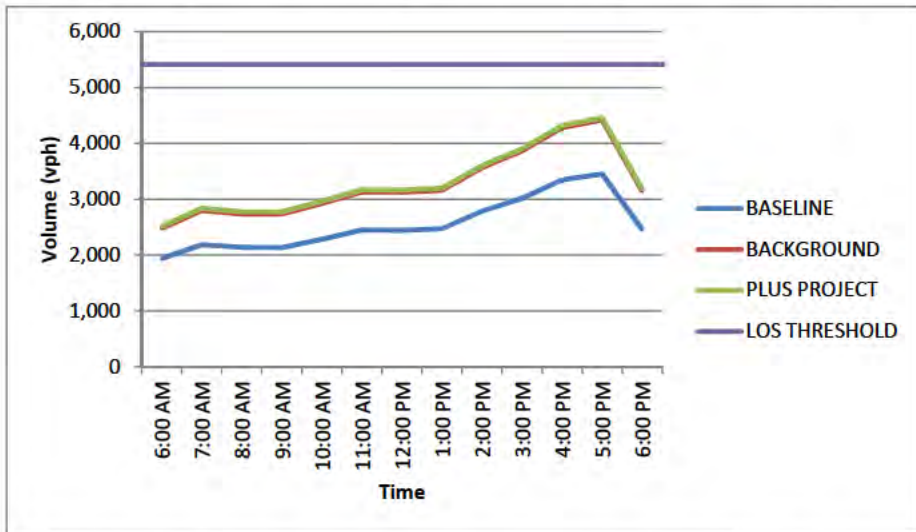
ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

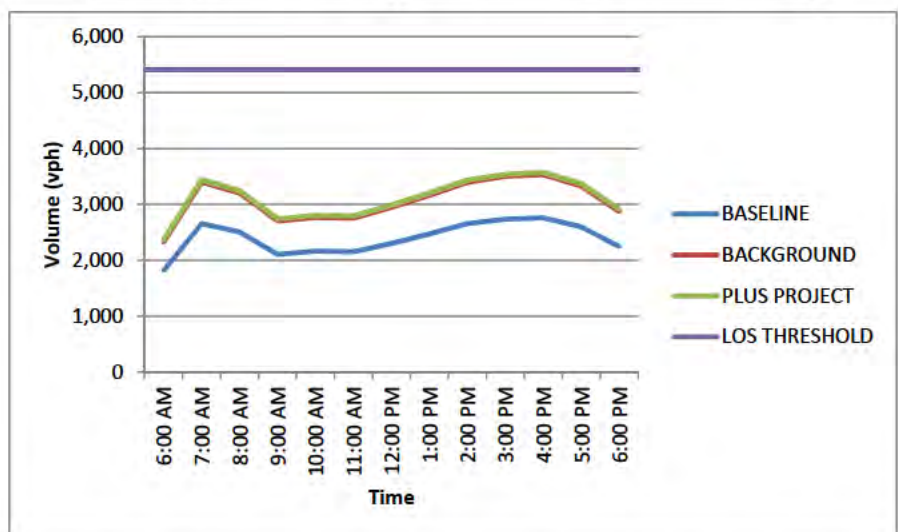


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

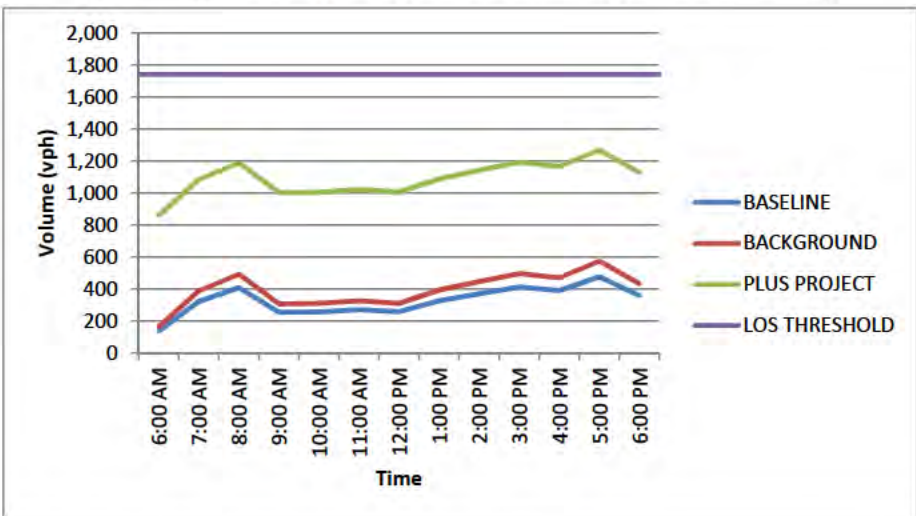
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



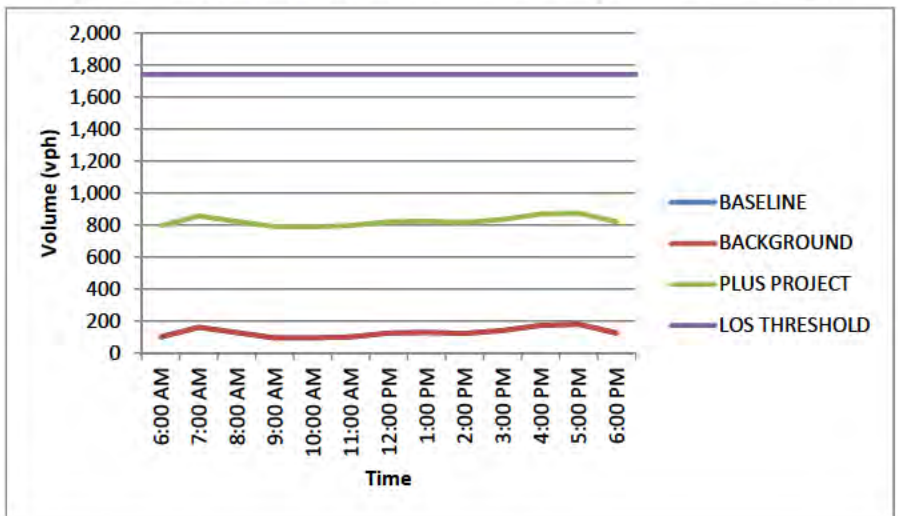
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

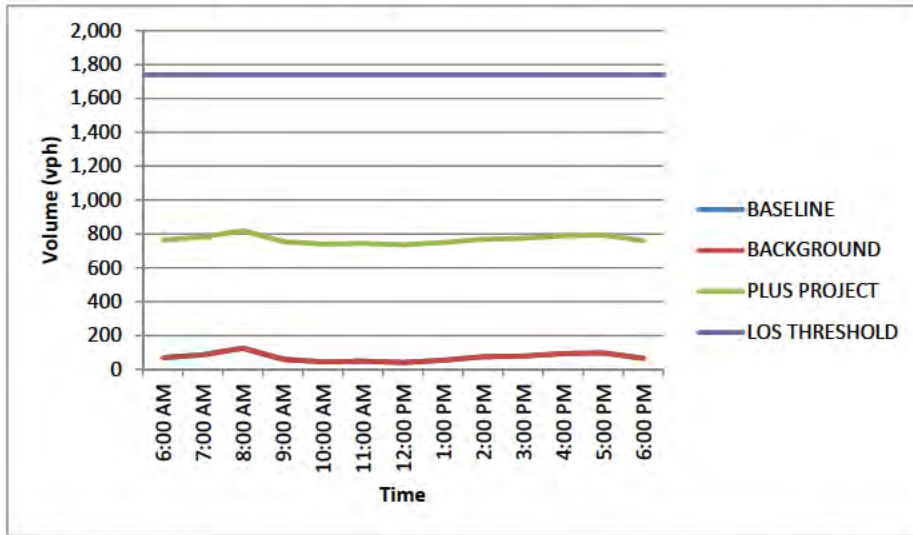


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

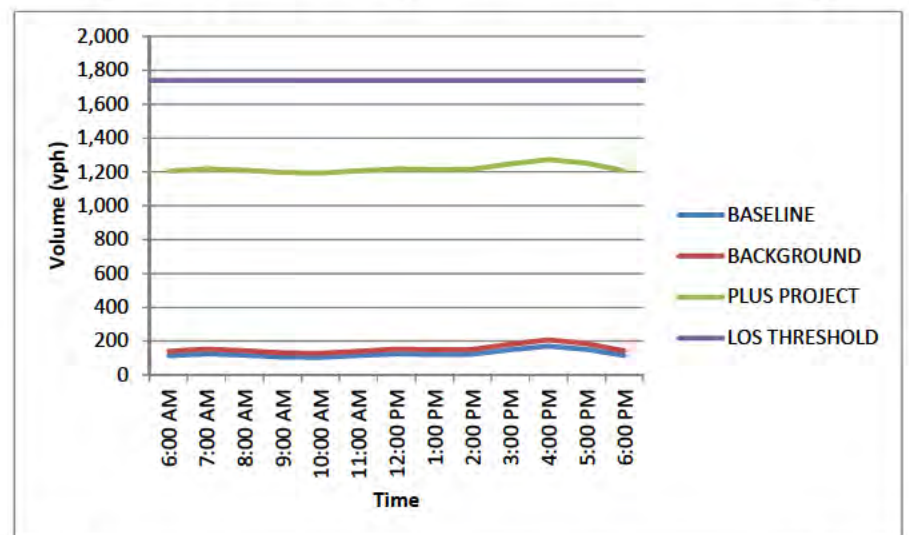


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

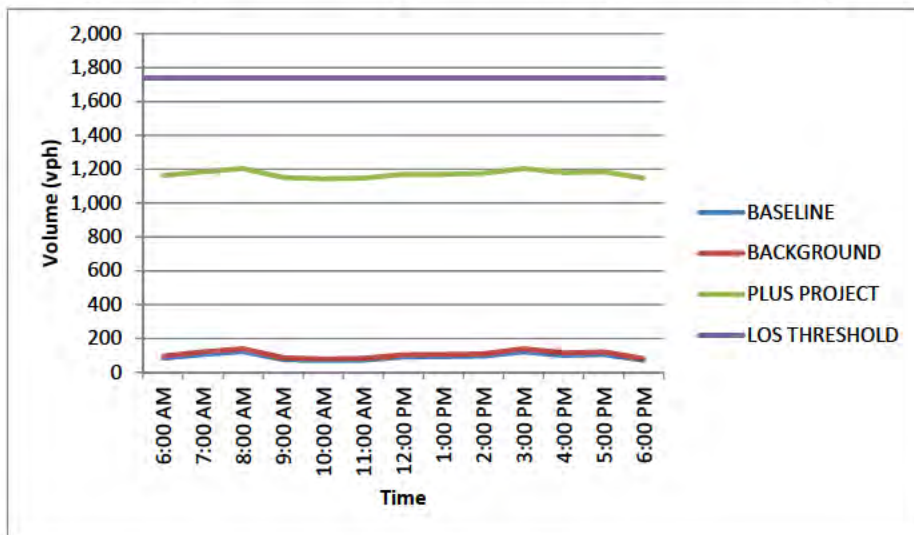
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



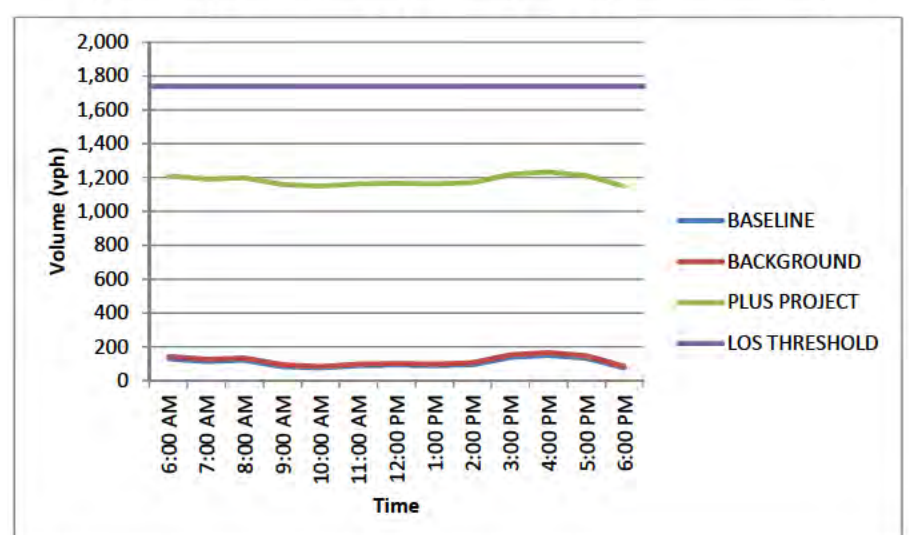
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

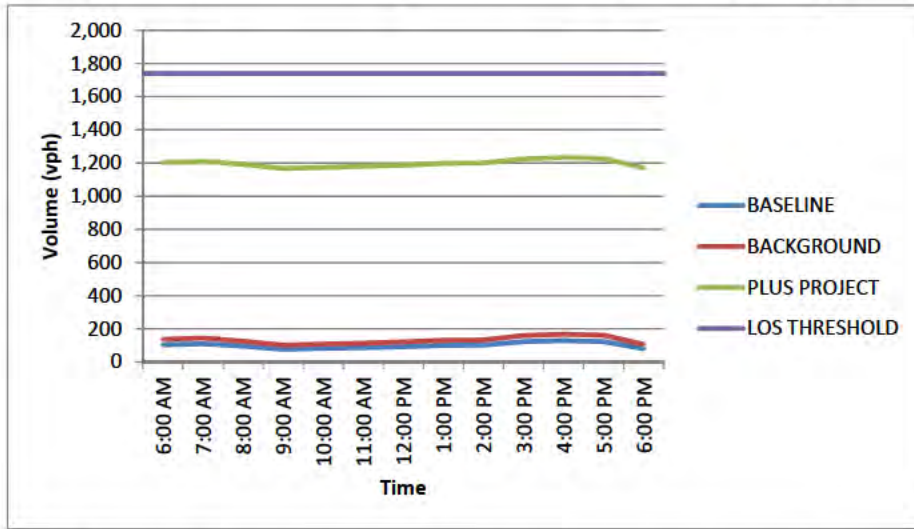


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

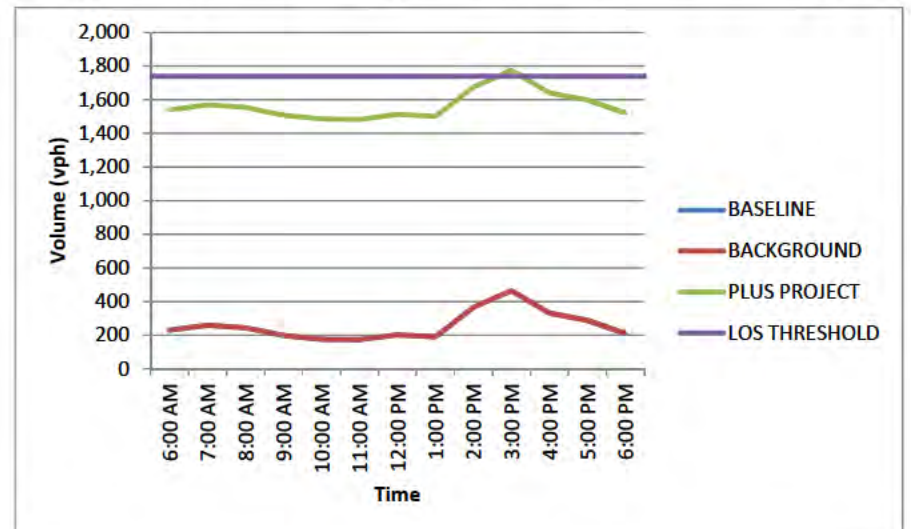


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

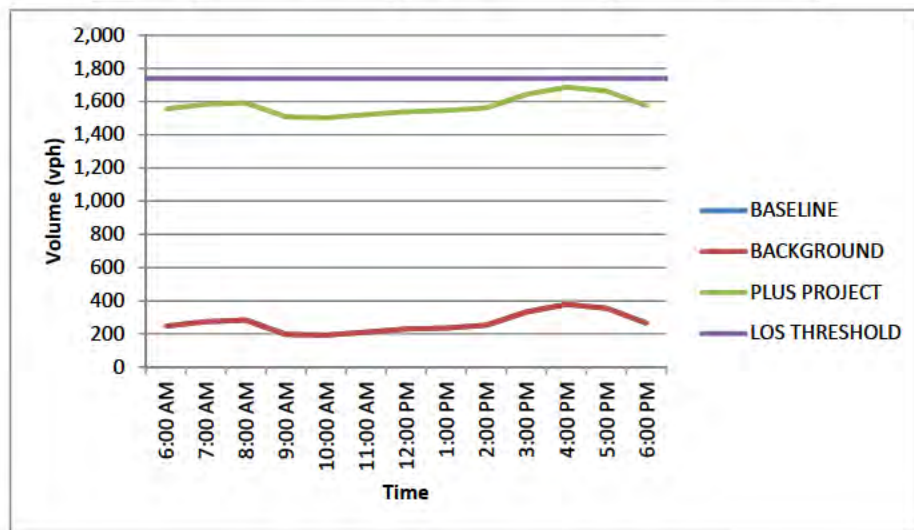
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



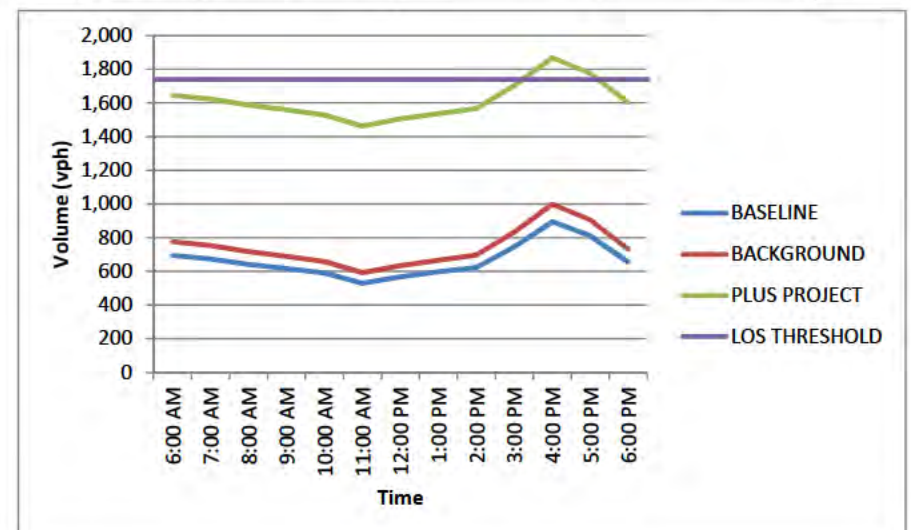
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12

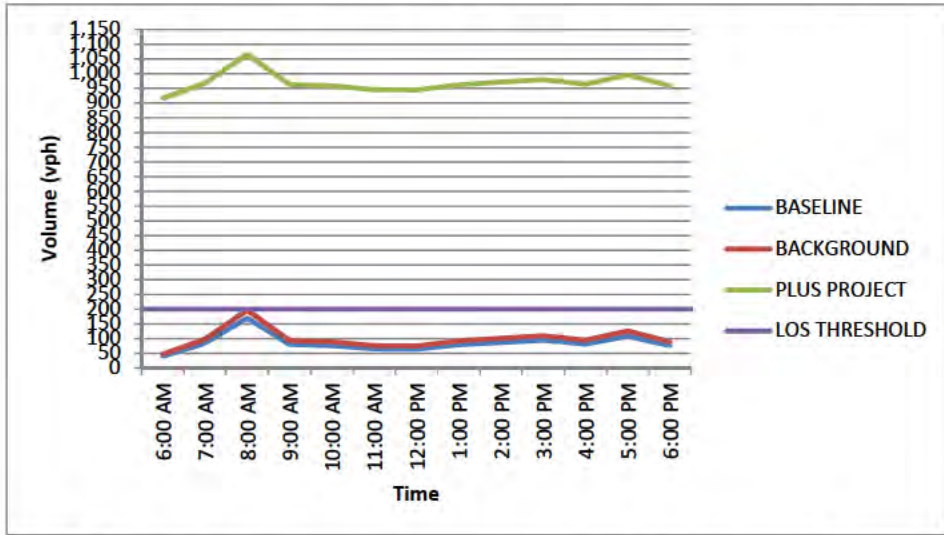


ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12

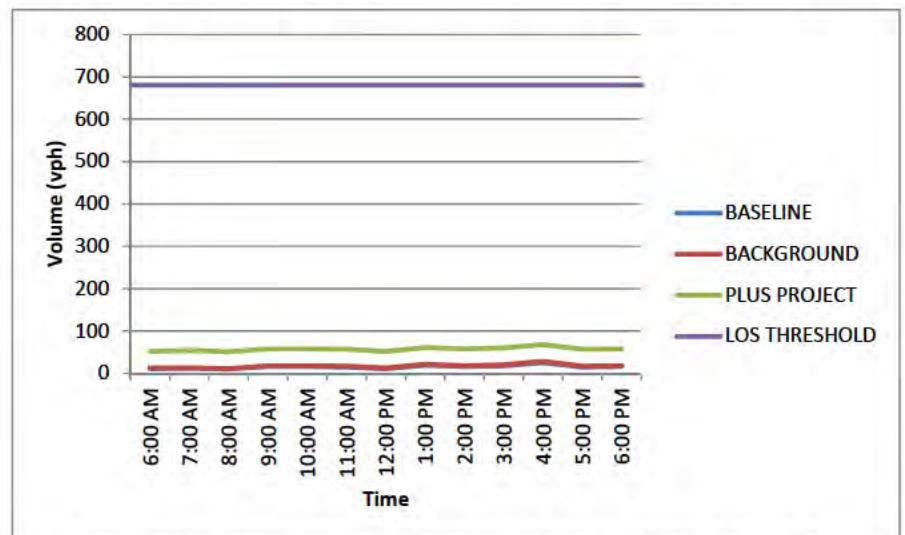


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

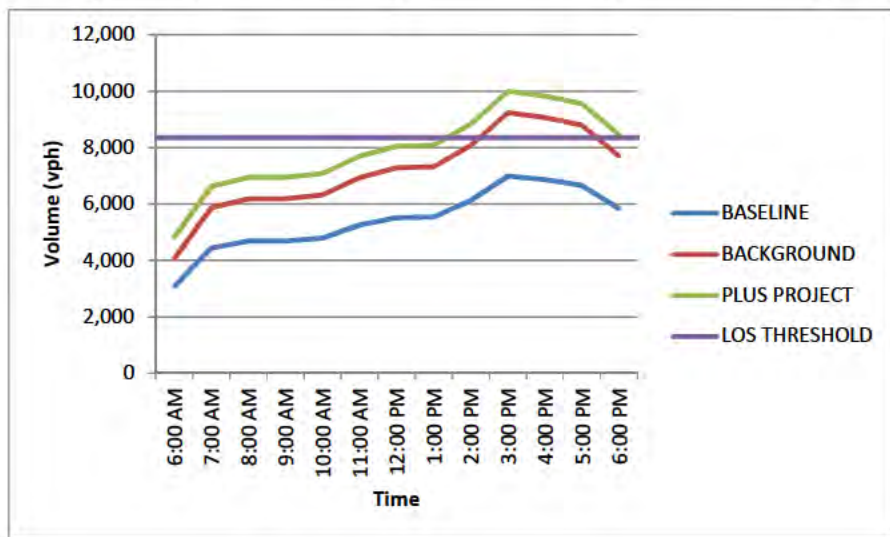
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd



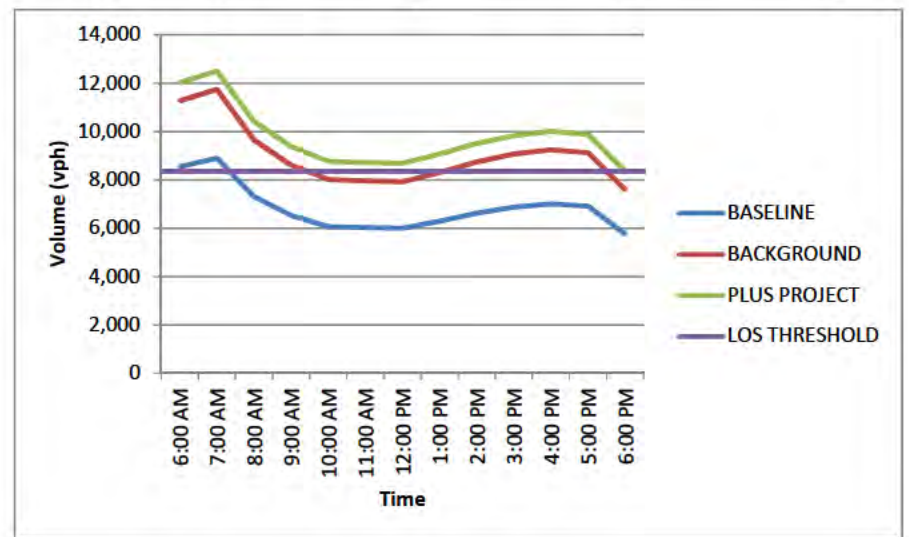
ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

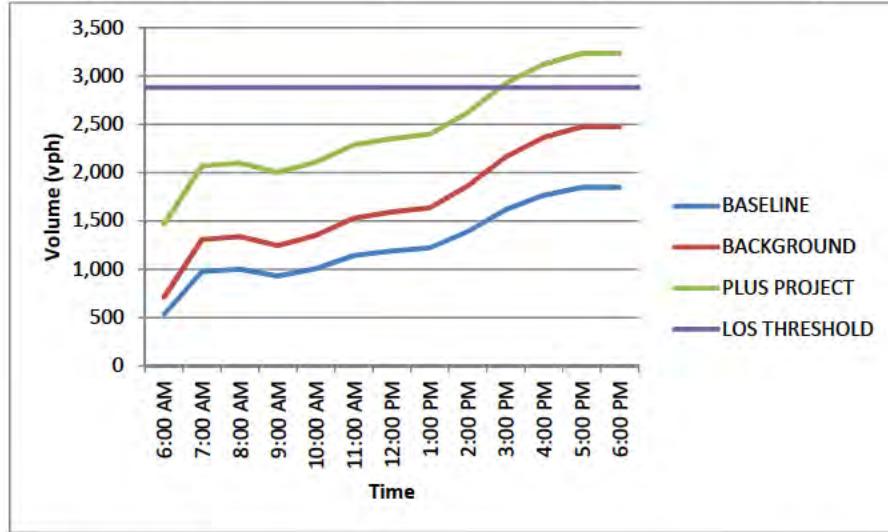


ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

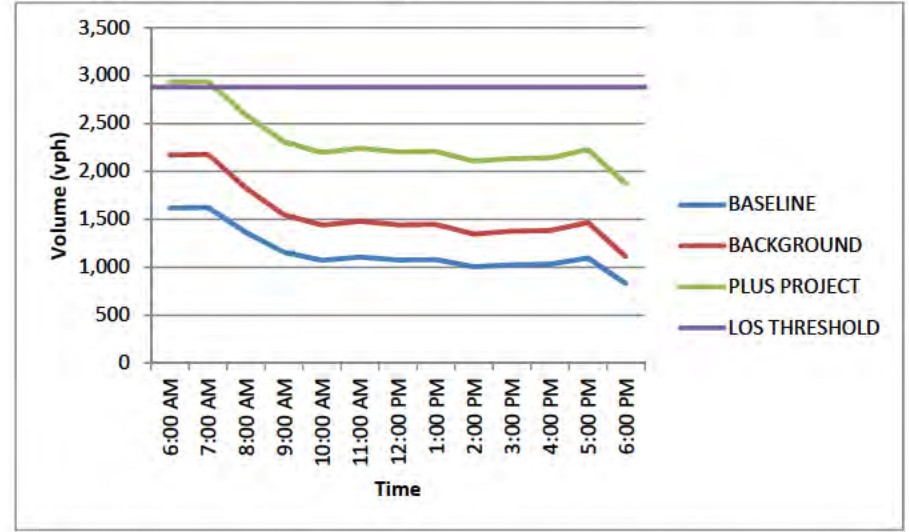


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

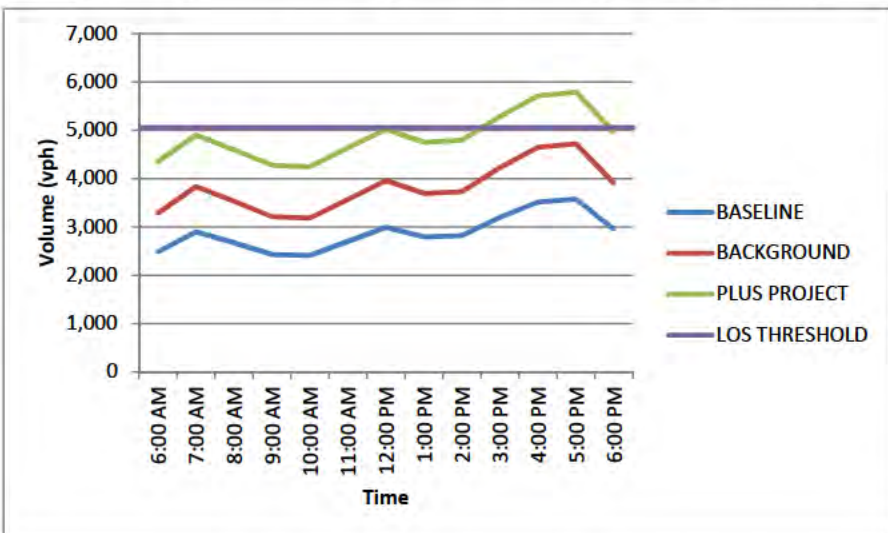
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



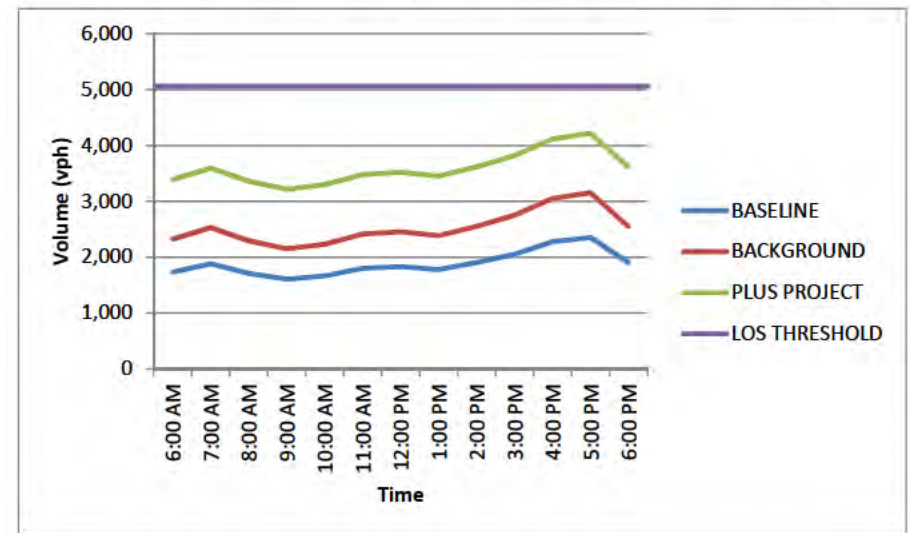
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

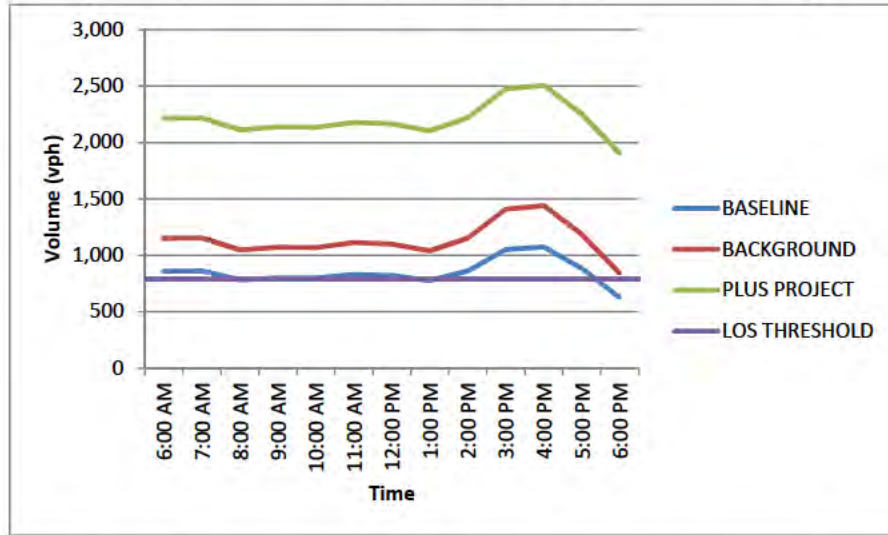


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

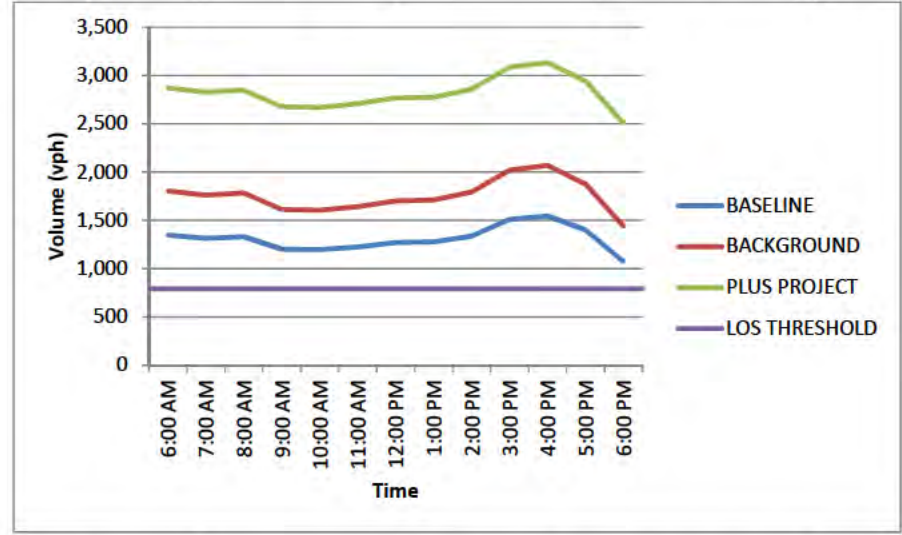


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

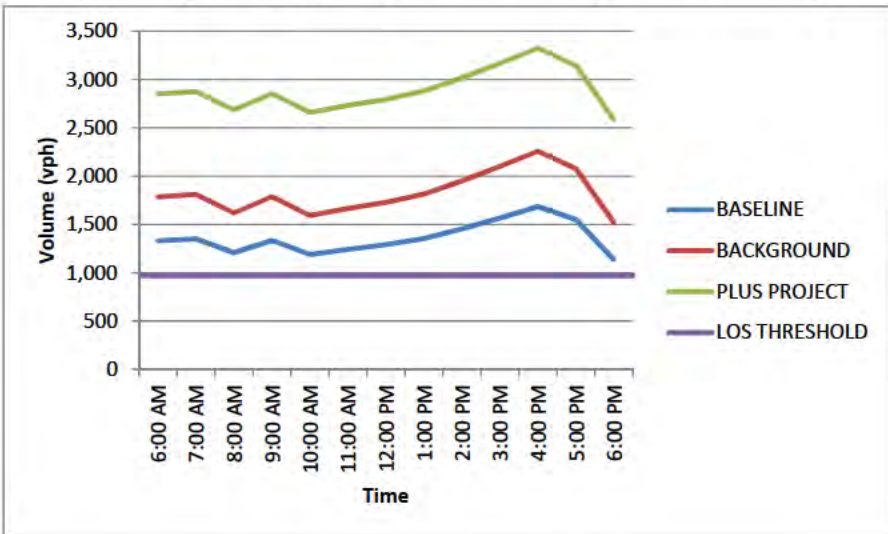
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



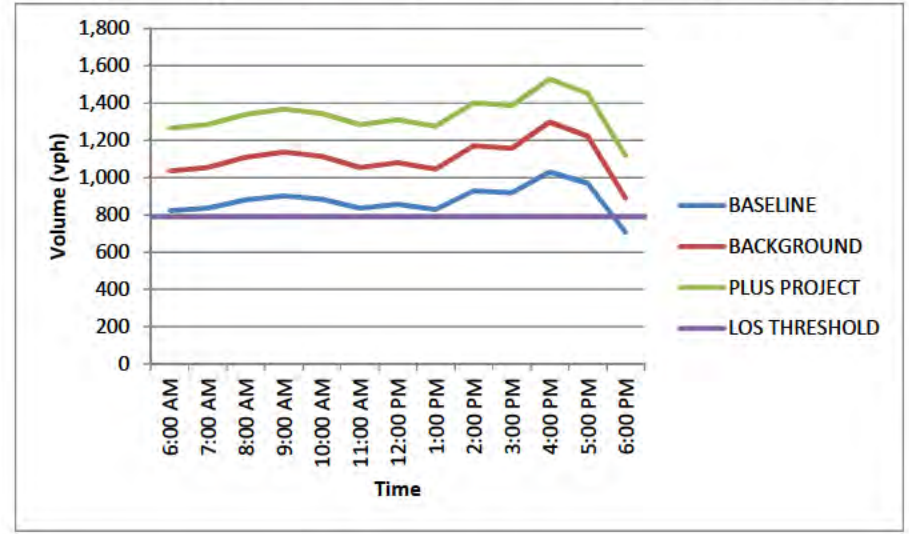
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

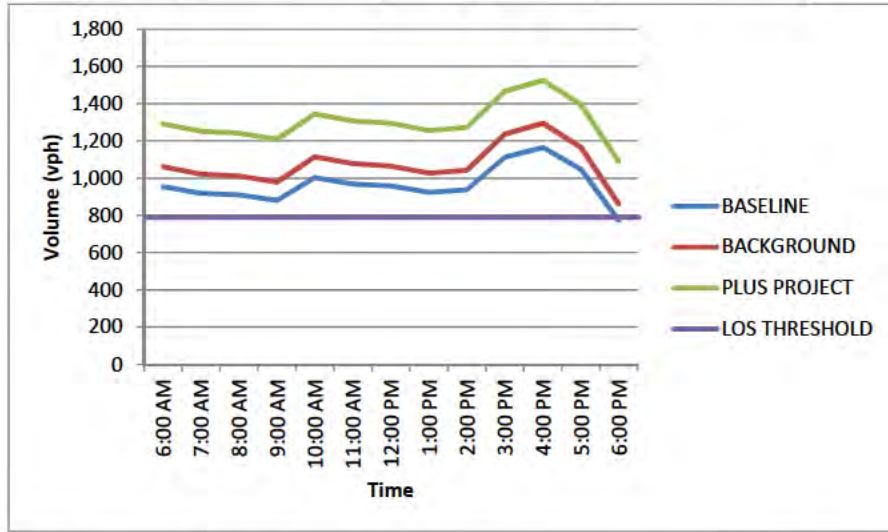


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

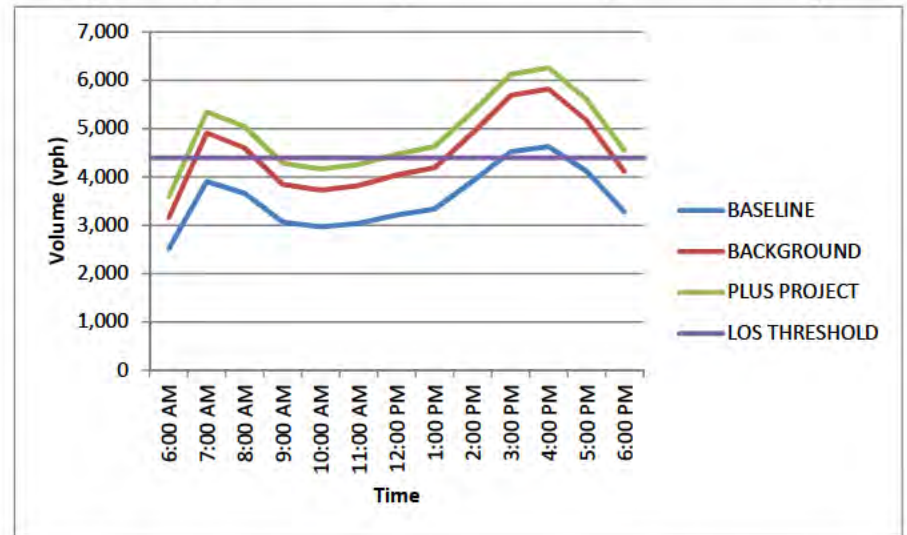


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

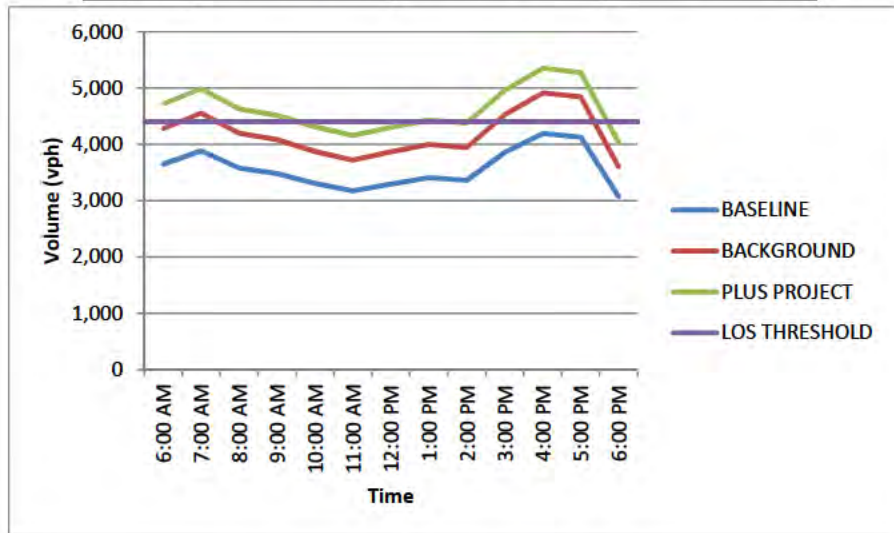
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



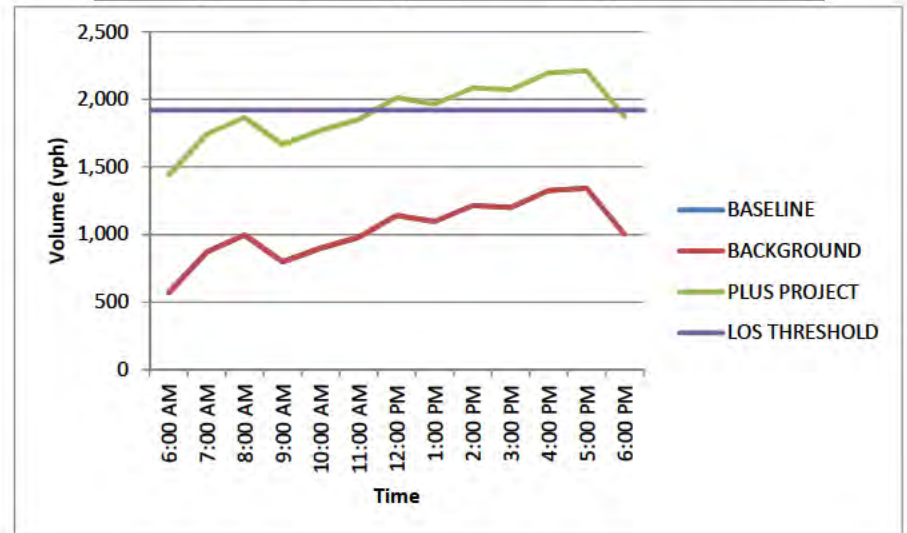
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

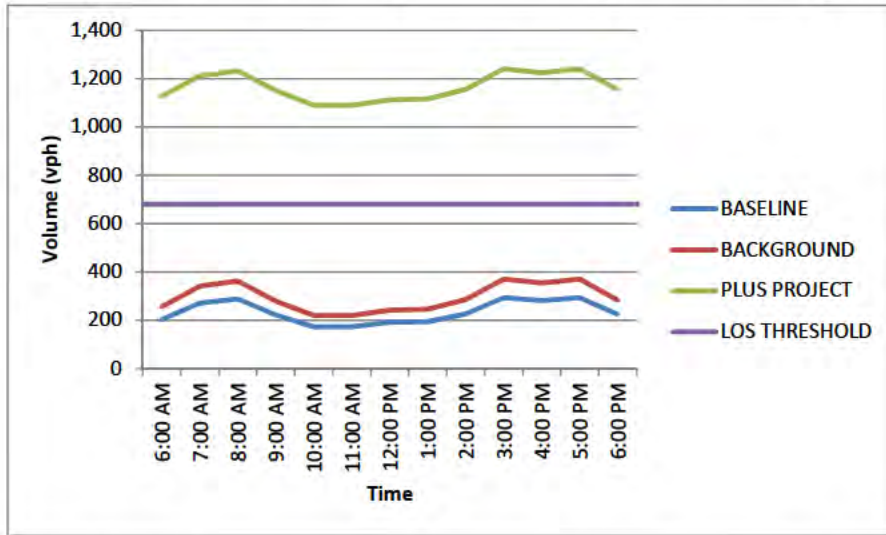


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

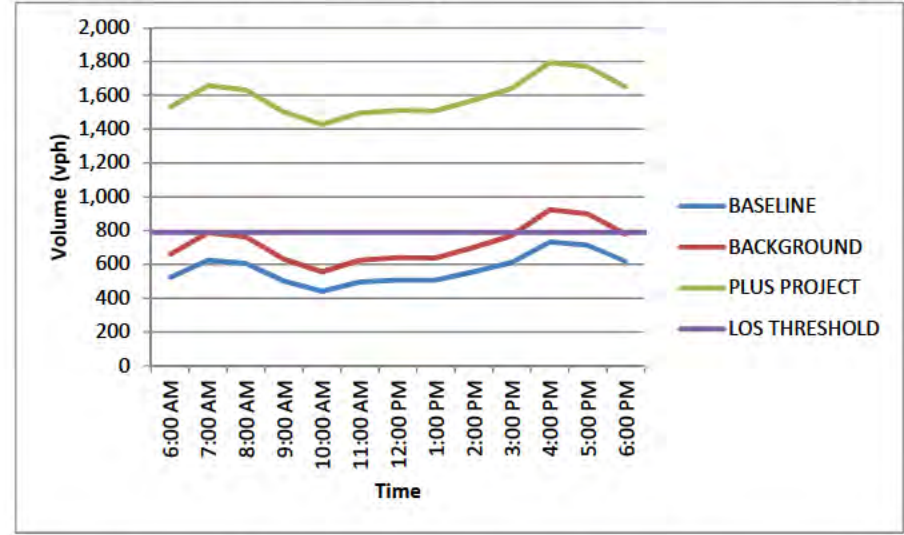


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

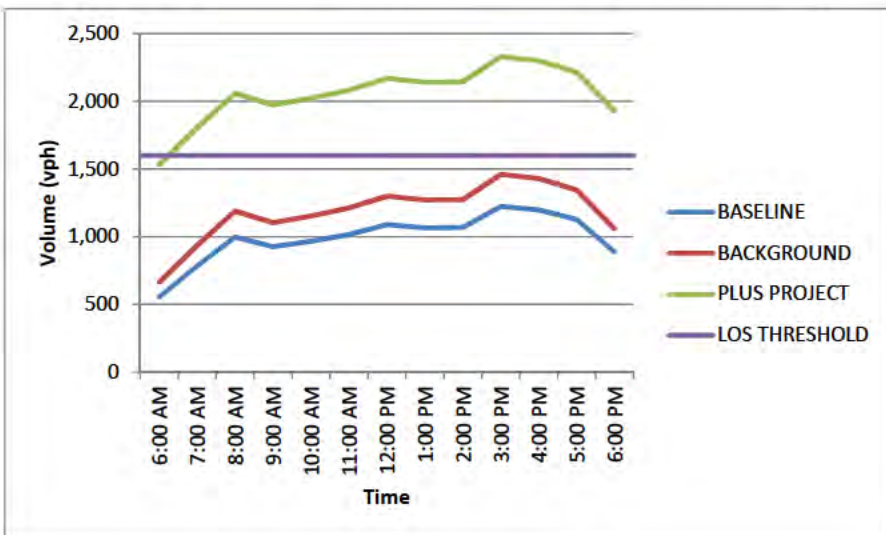
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



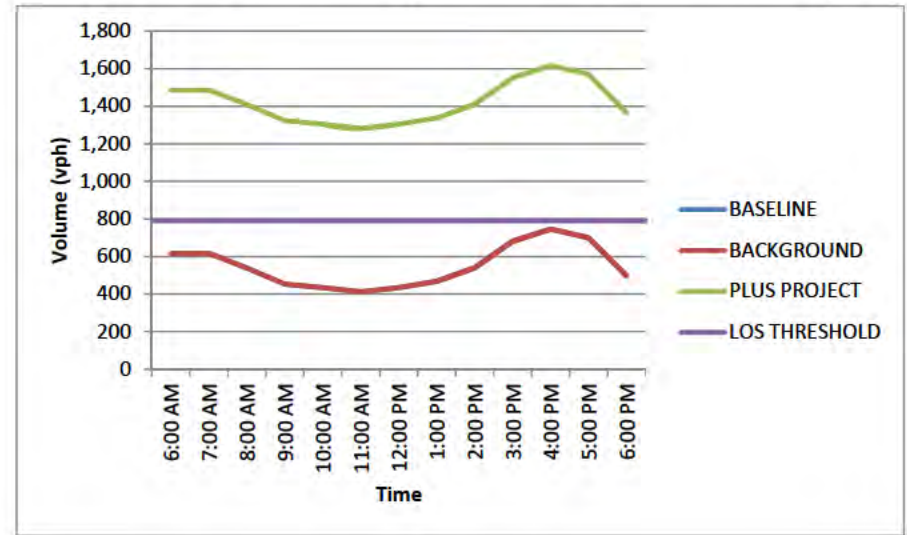
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

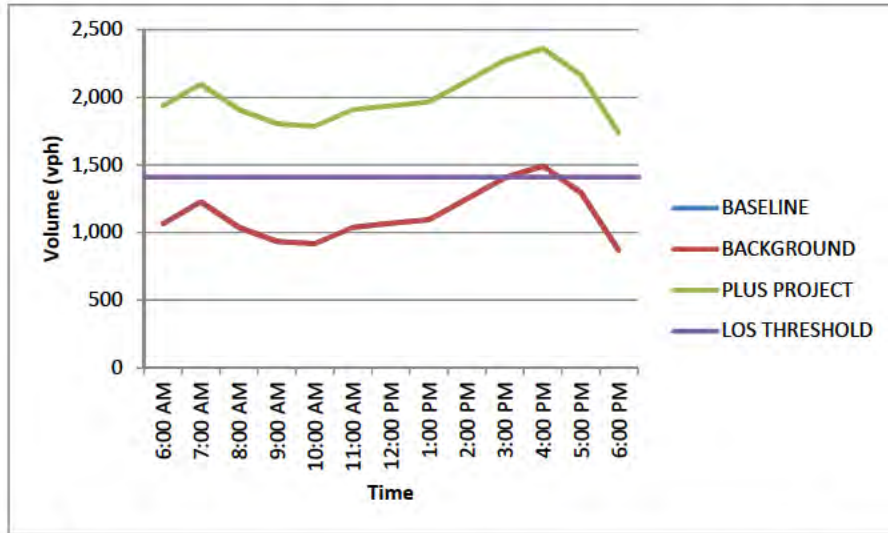


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

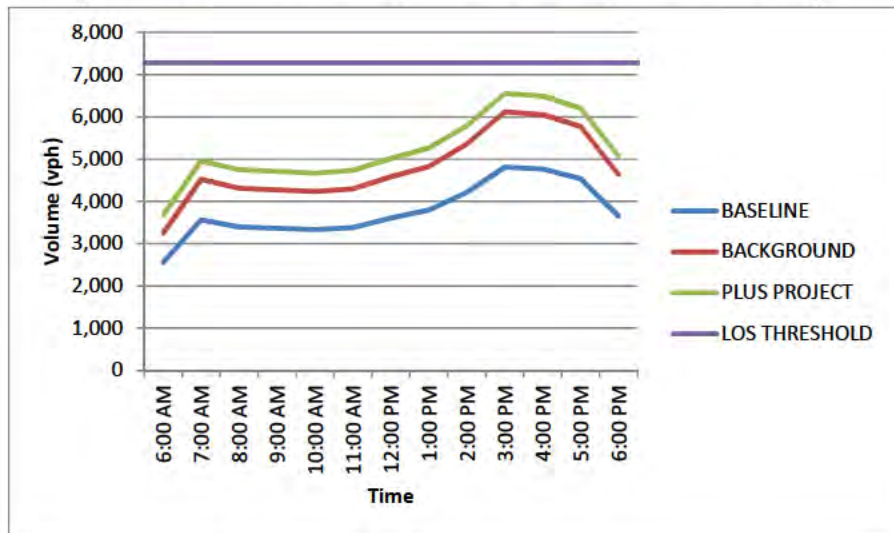


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

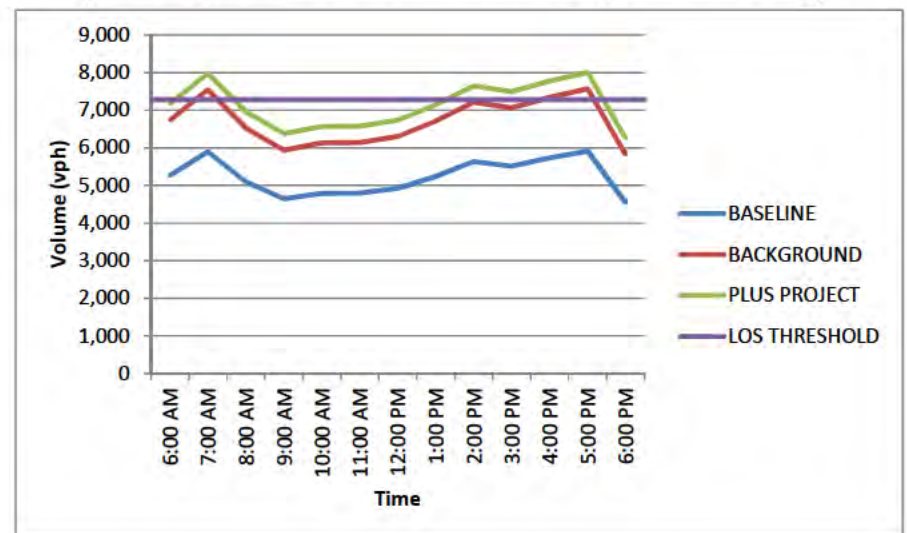
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

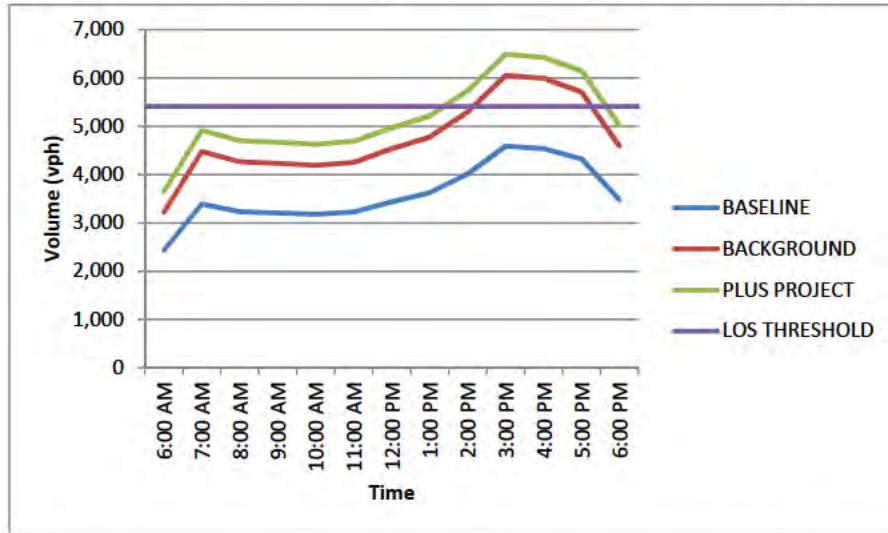


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

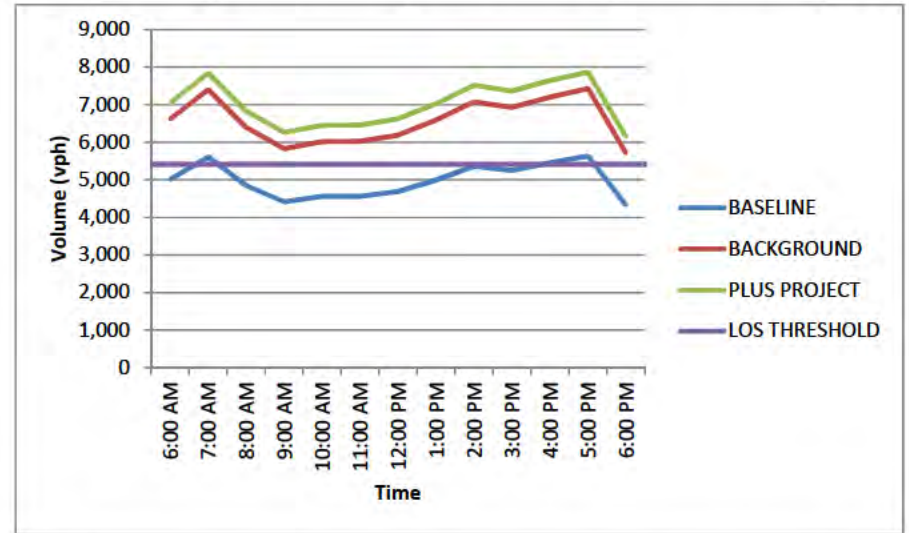


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

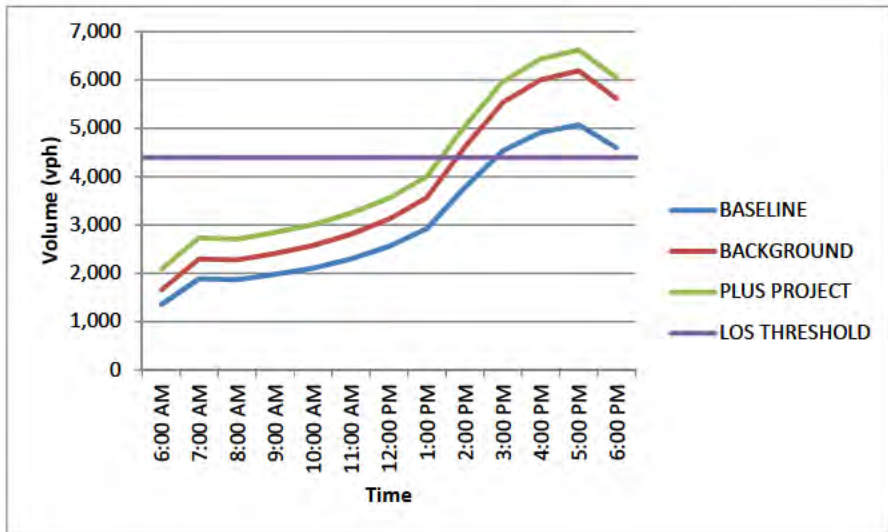
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



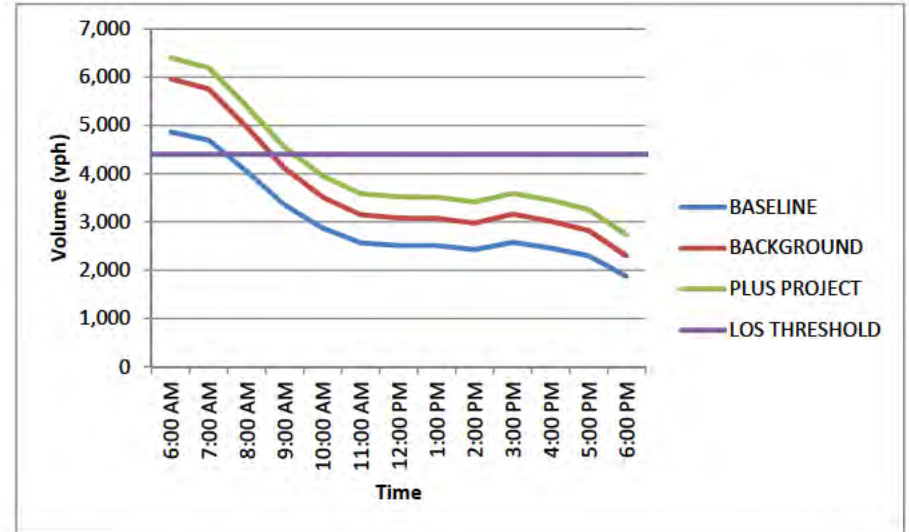
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

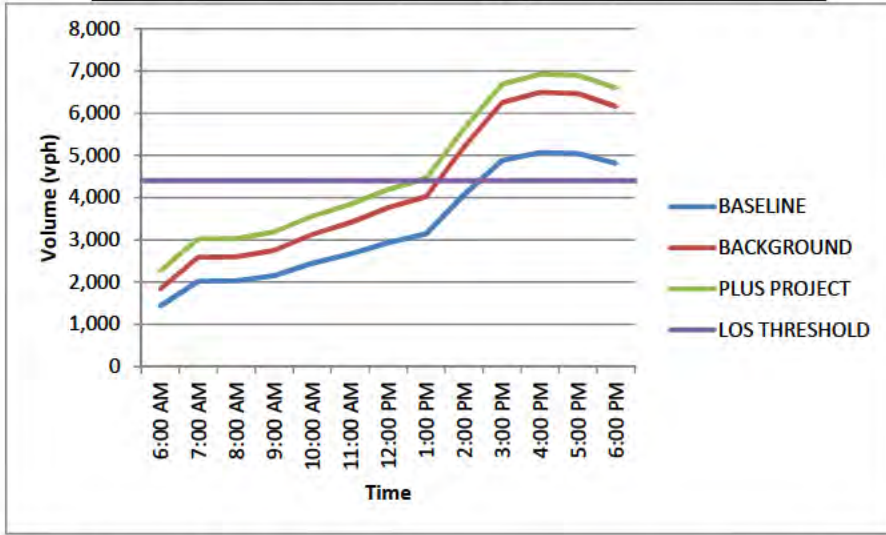


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

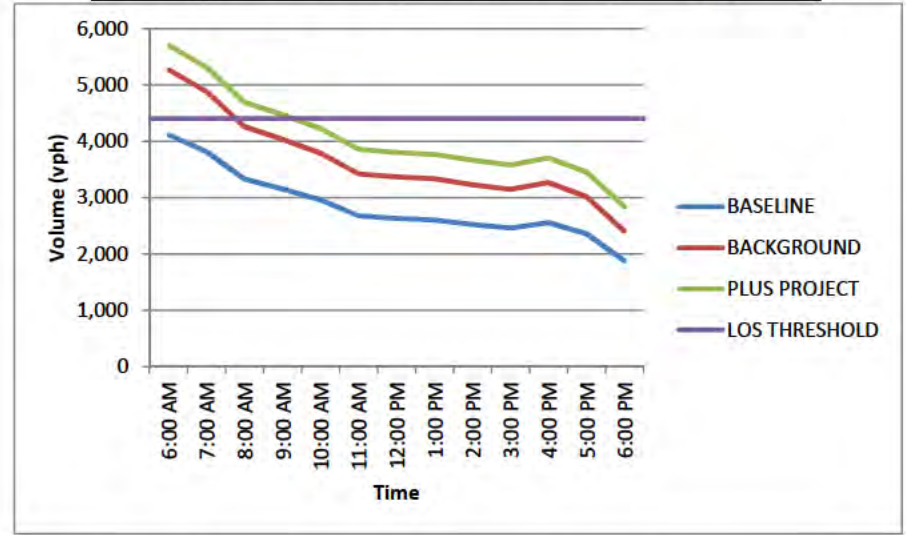


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Caltrans

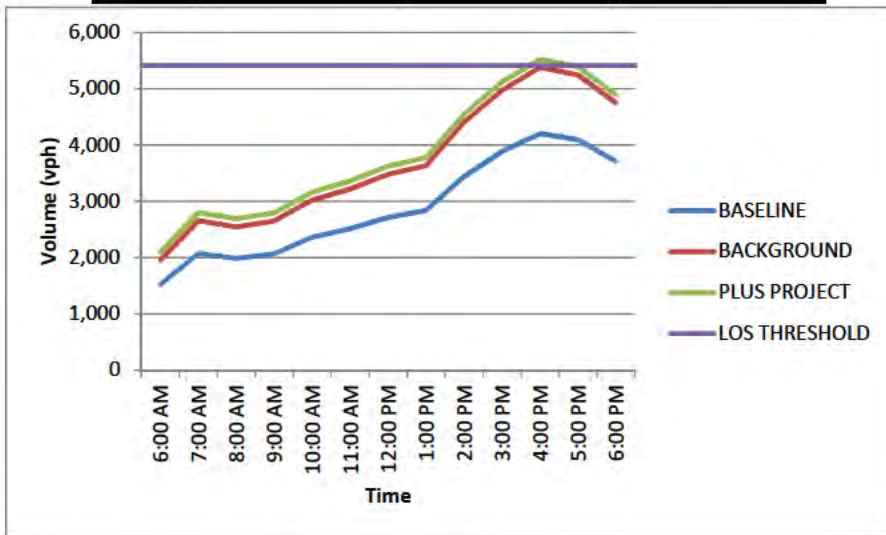
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



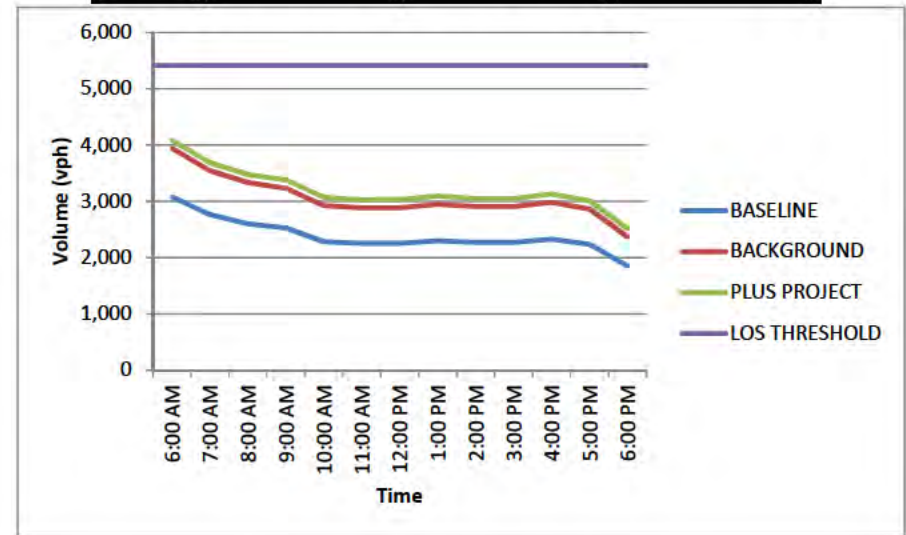
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



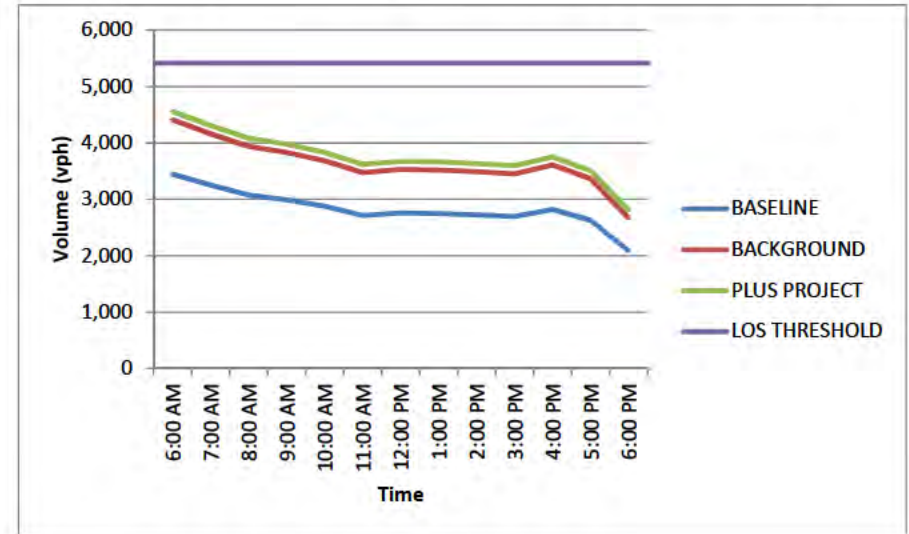
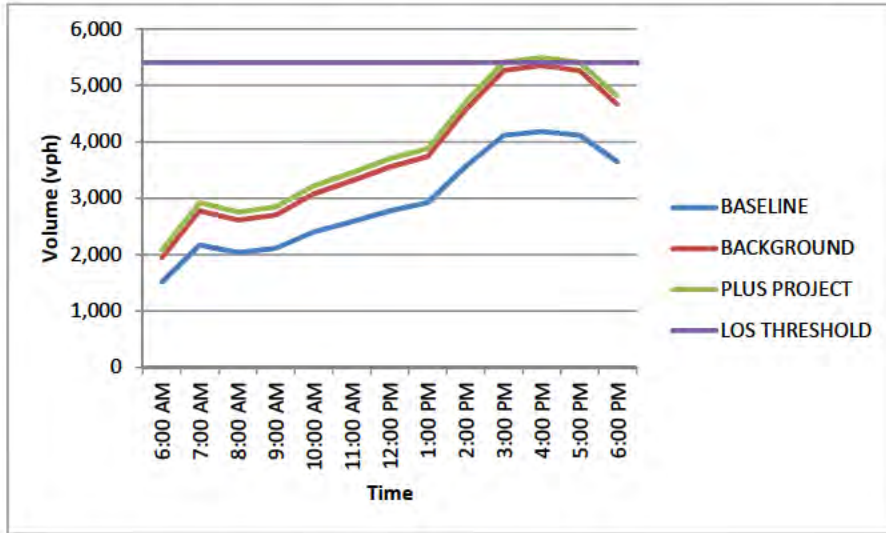
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Caltrans

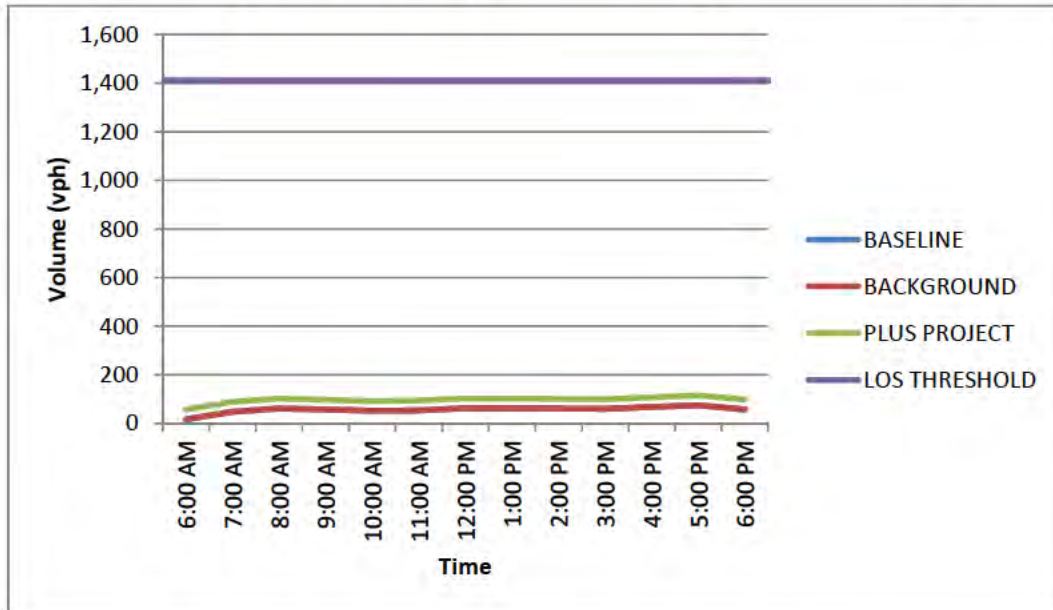
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Isleton

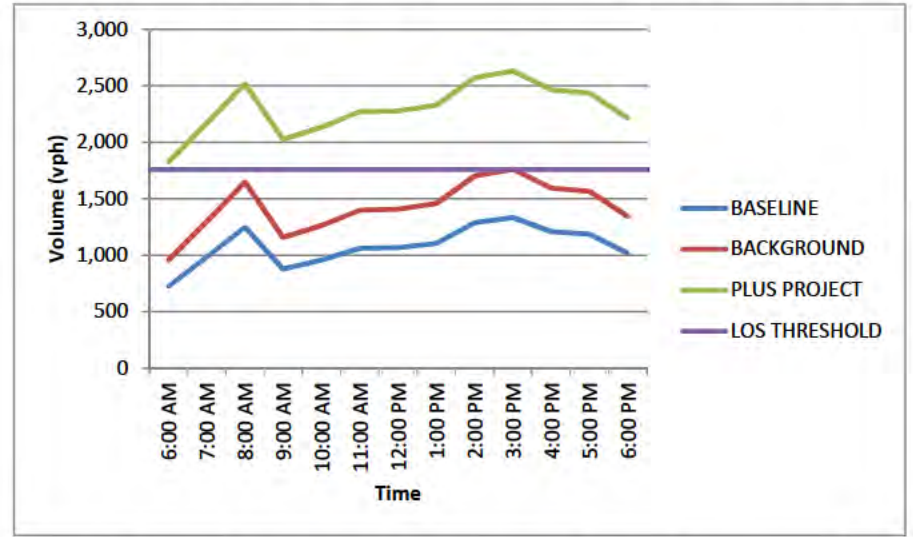
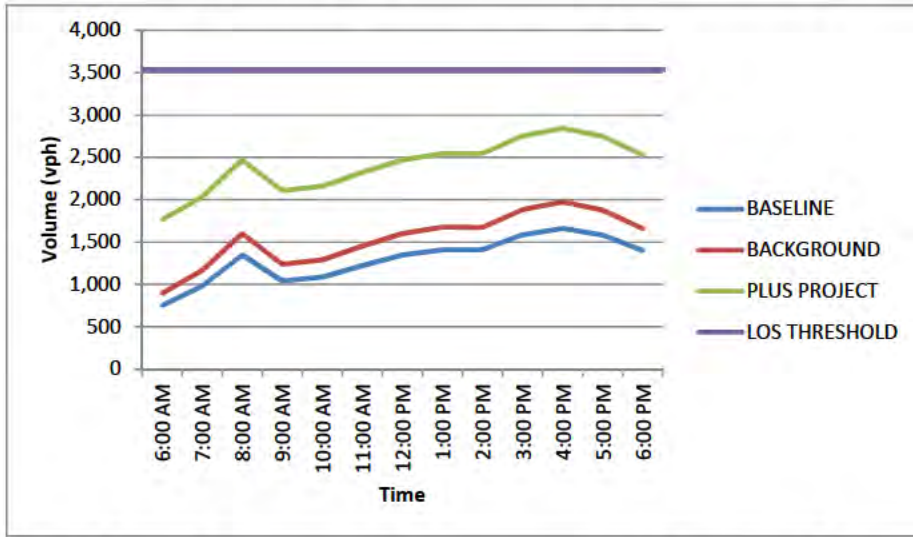
ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits



Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Oakley

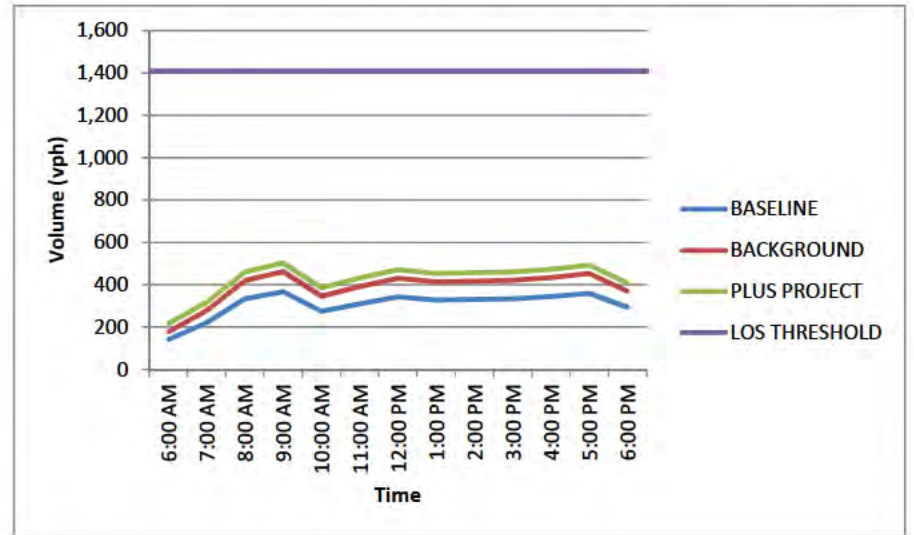
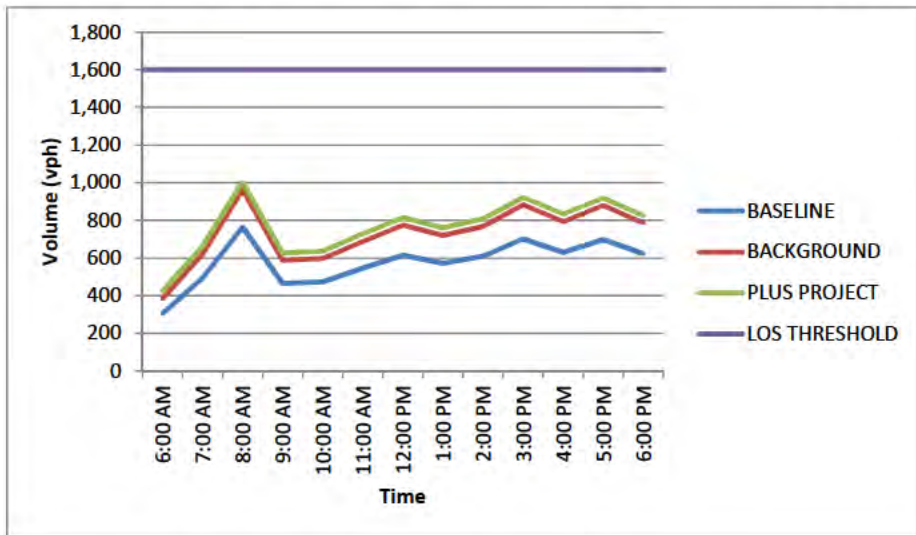
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd

ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



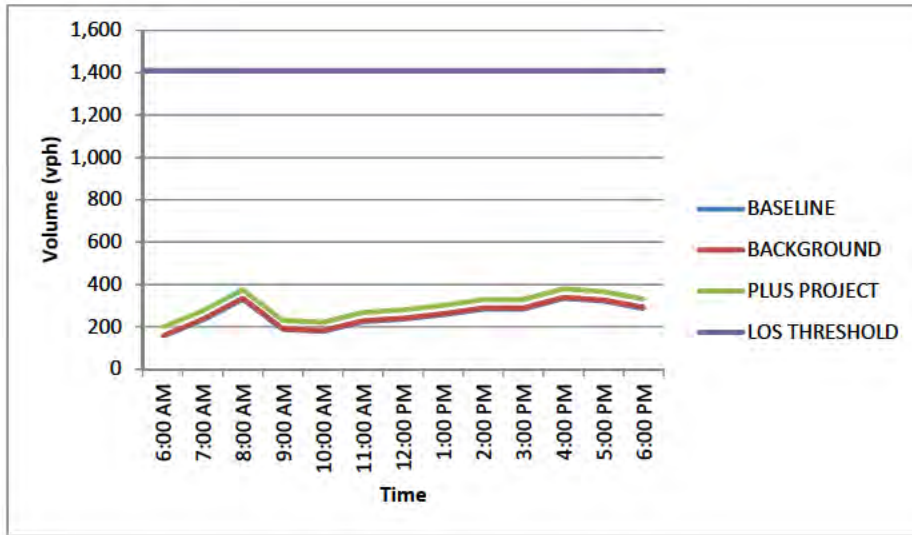
ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Oakley

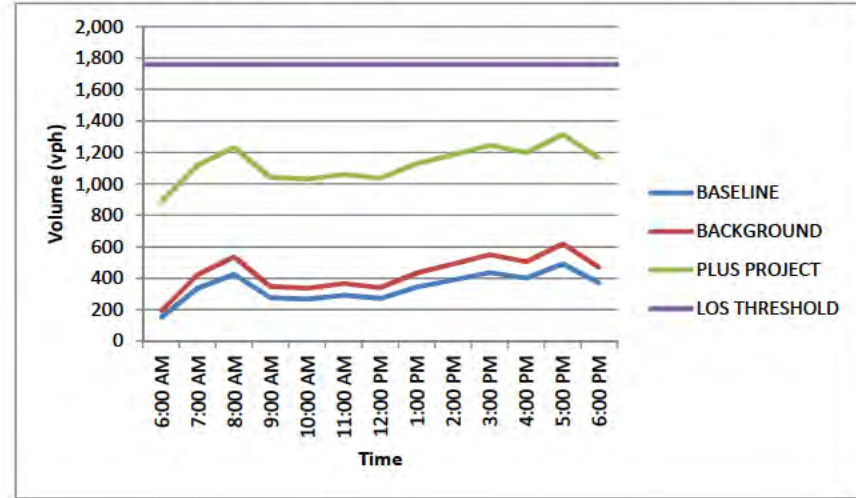
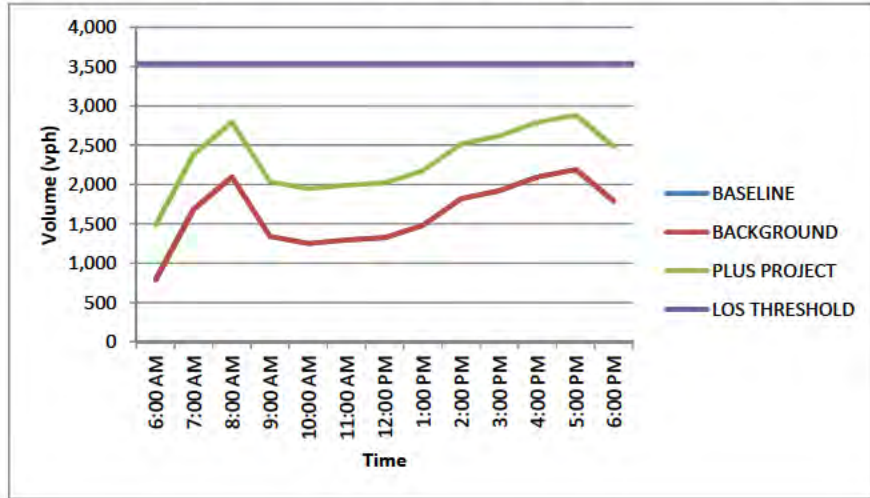
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - City of Sacramento

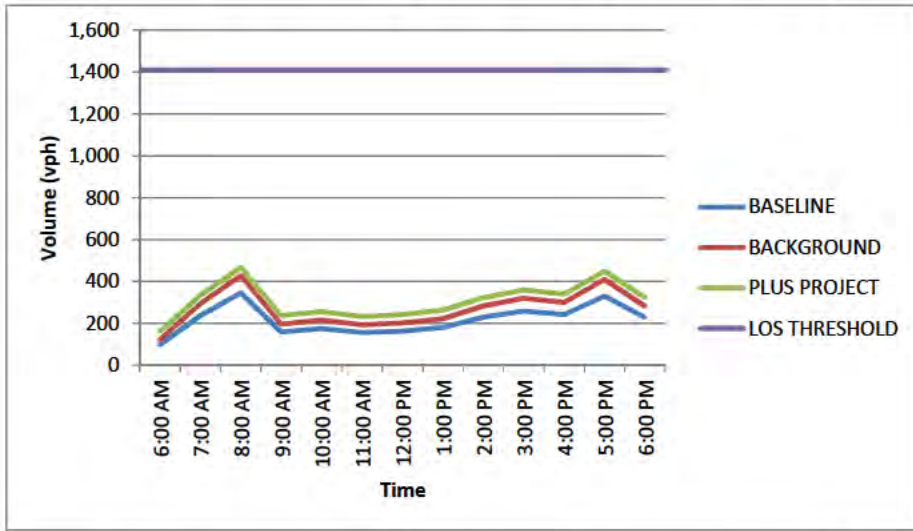
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

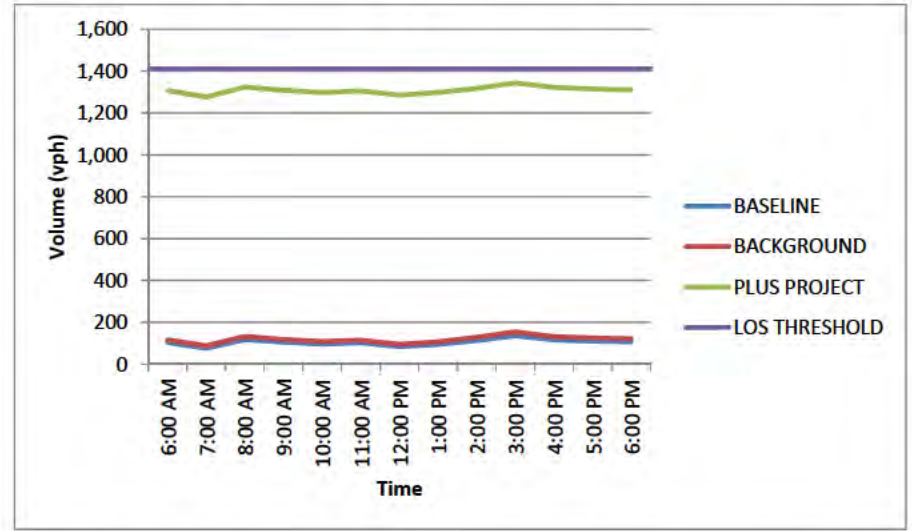


Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Sacramento County

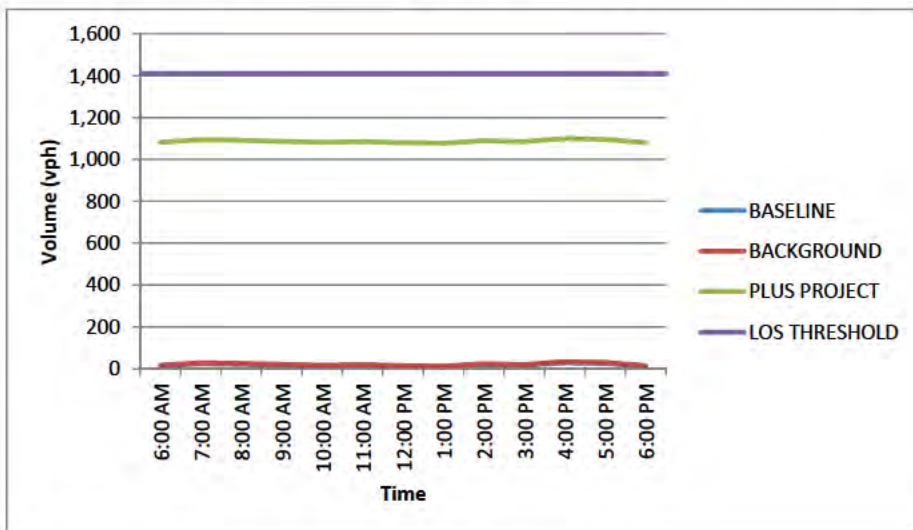
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



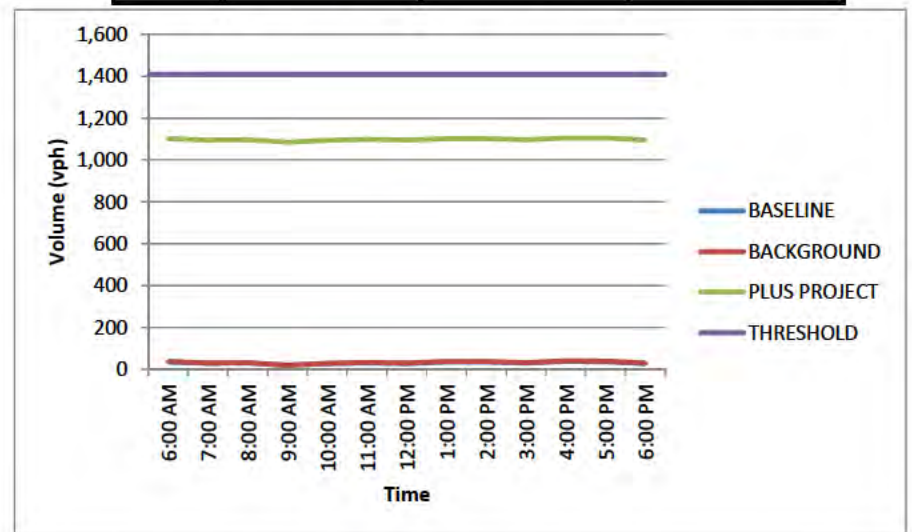
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd



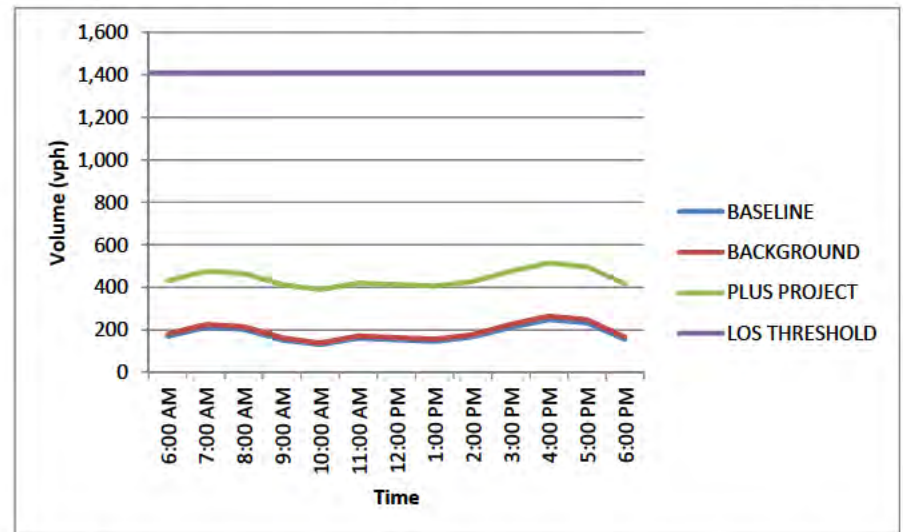
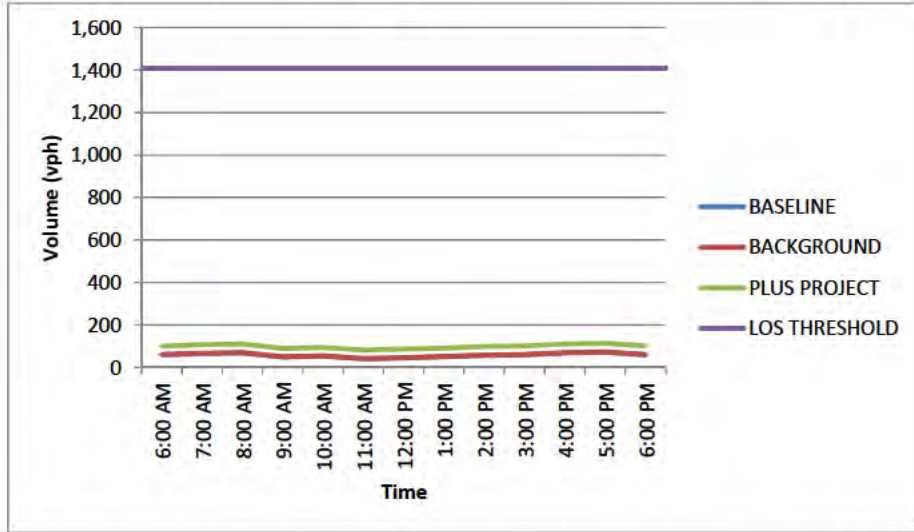
ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

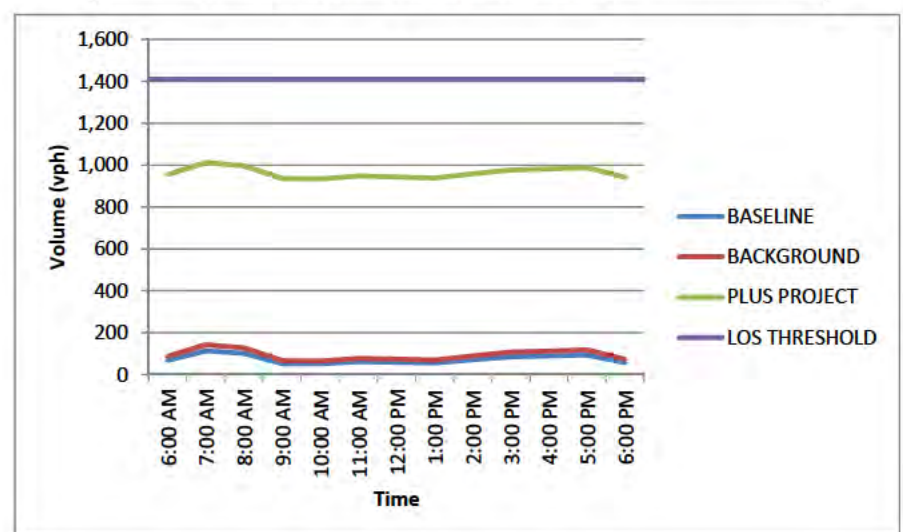
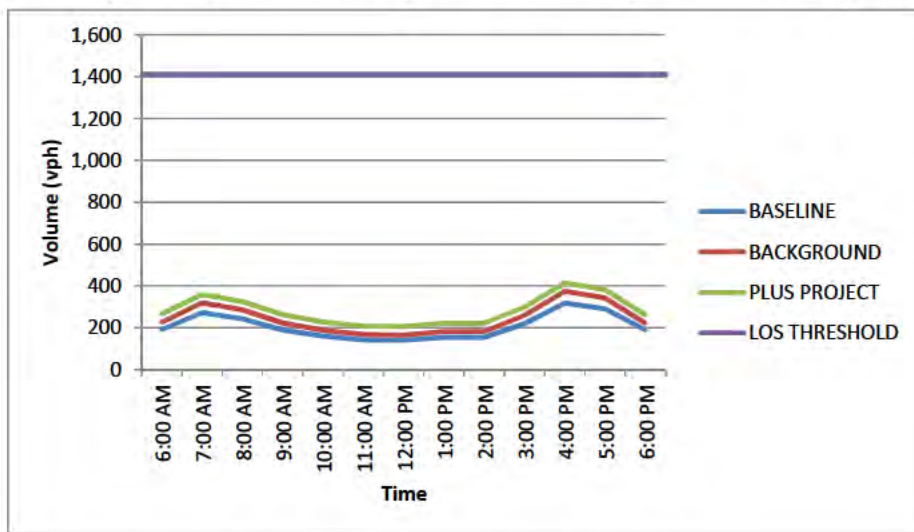
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd

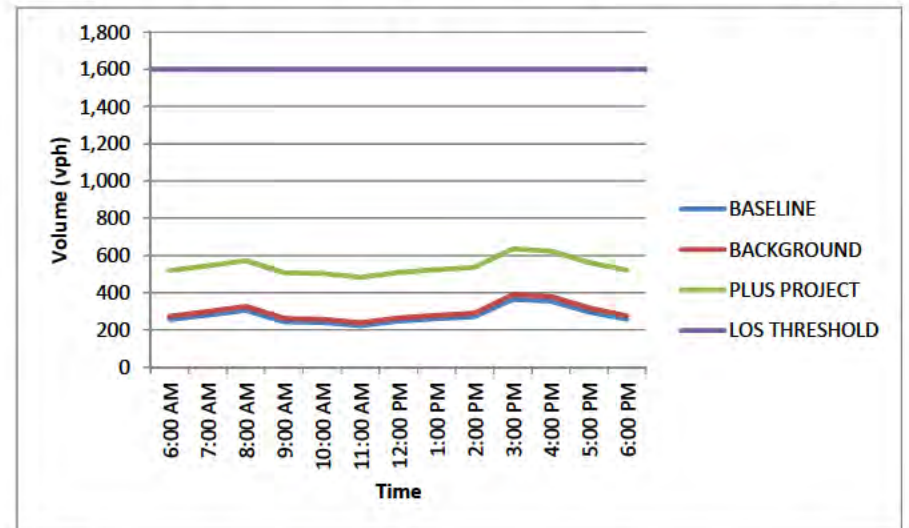
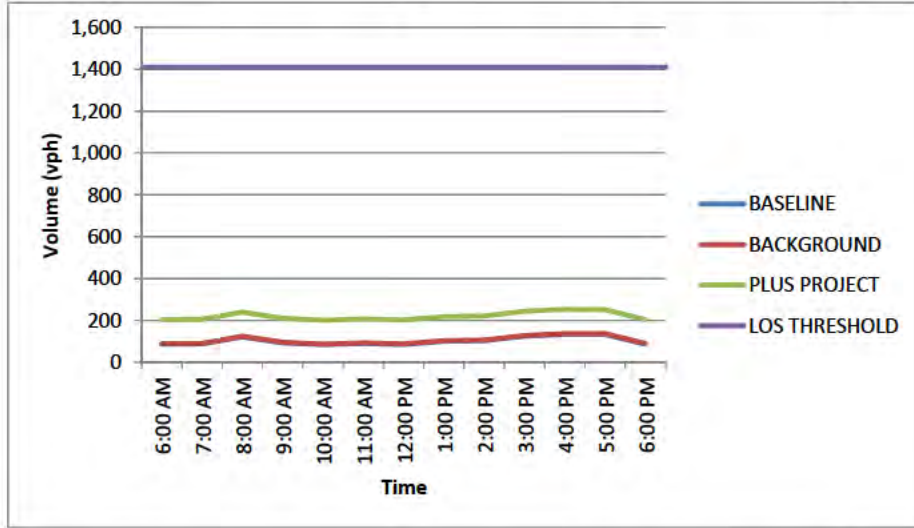
ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

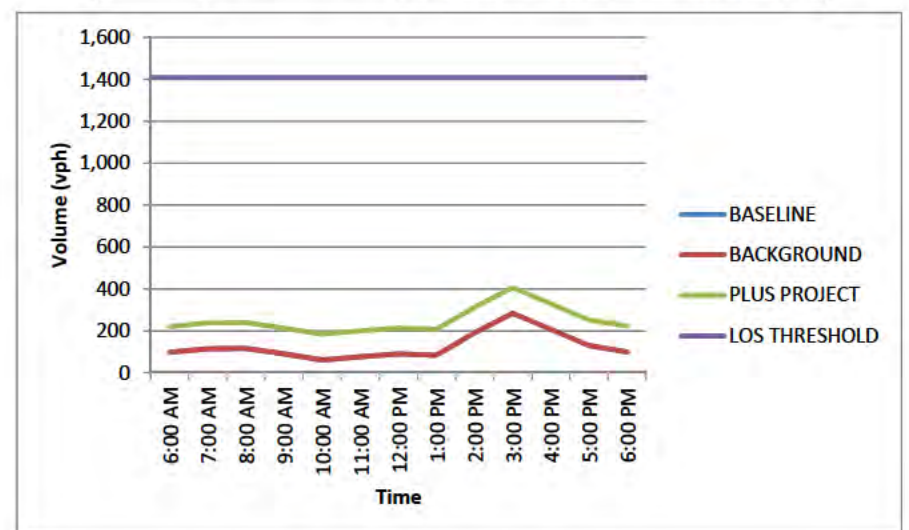
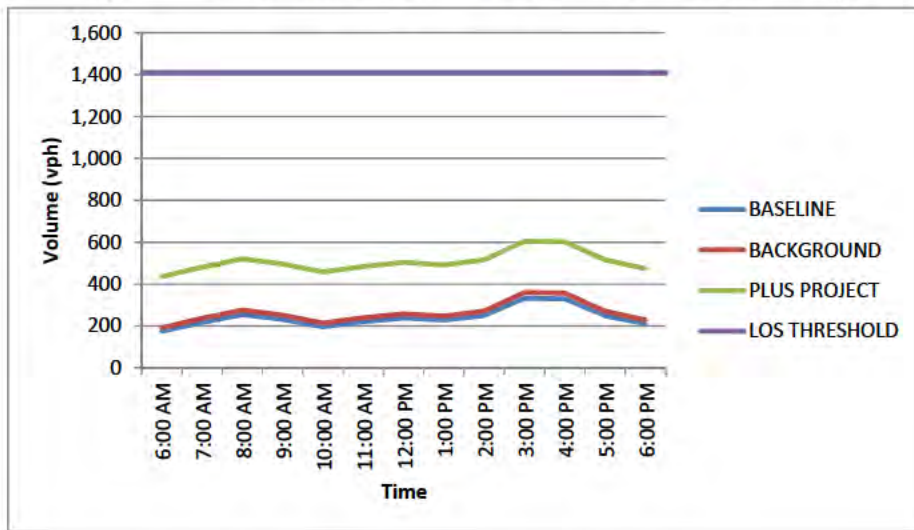
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

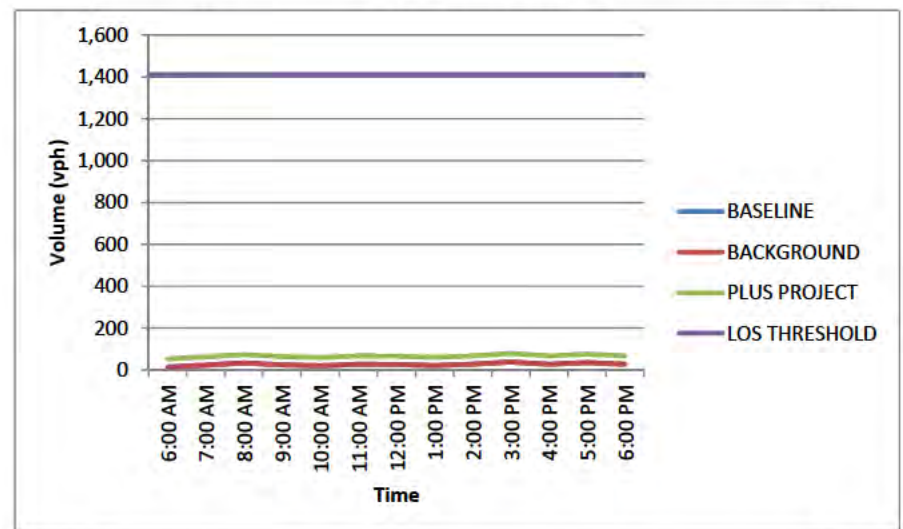
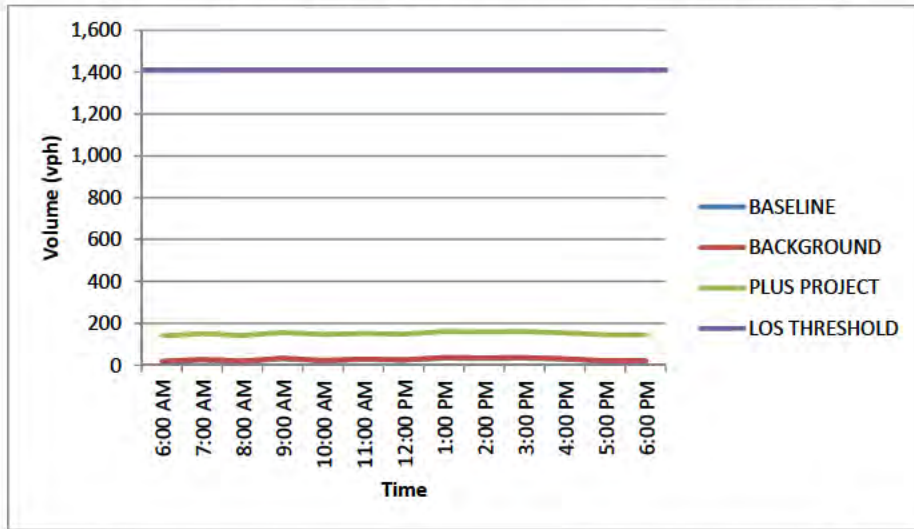
ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge



Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

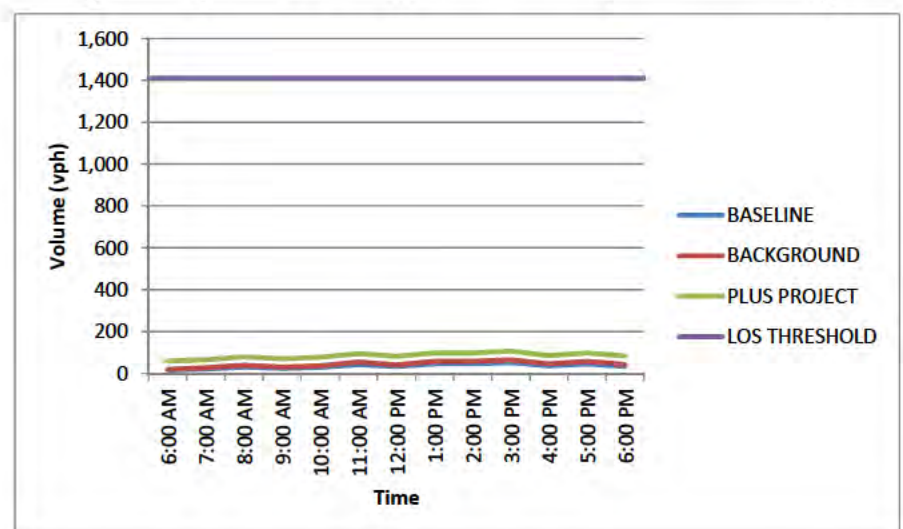
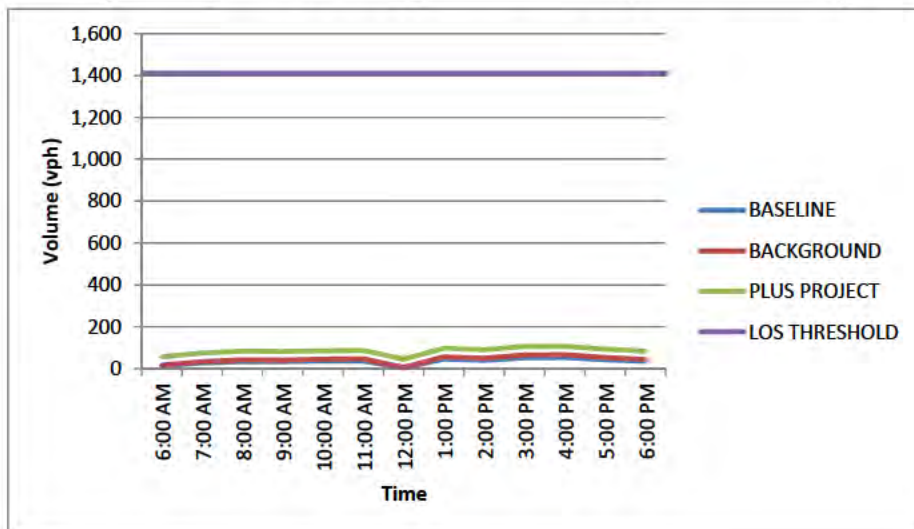
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island

ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



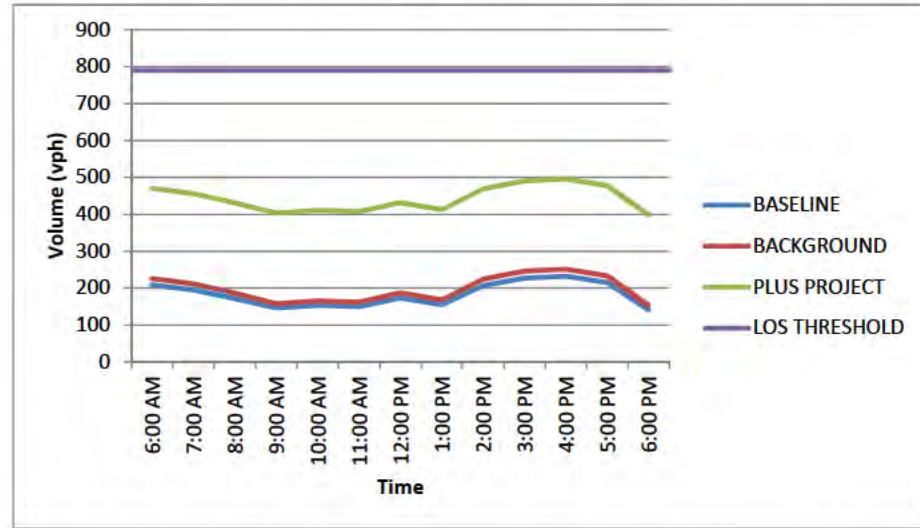
ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

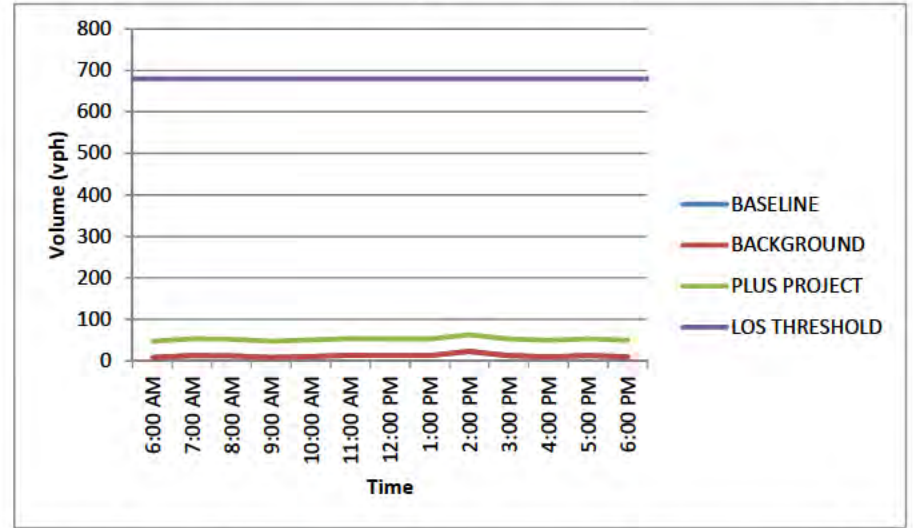


Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

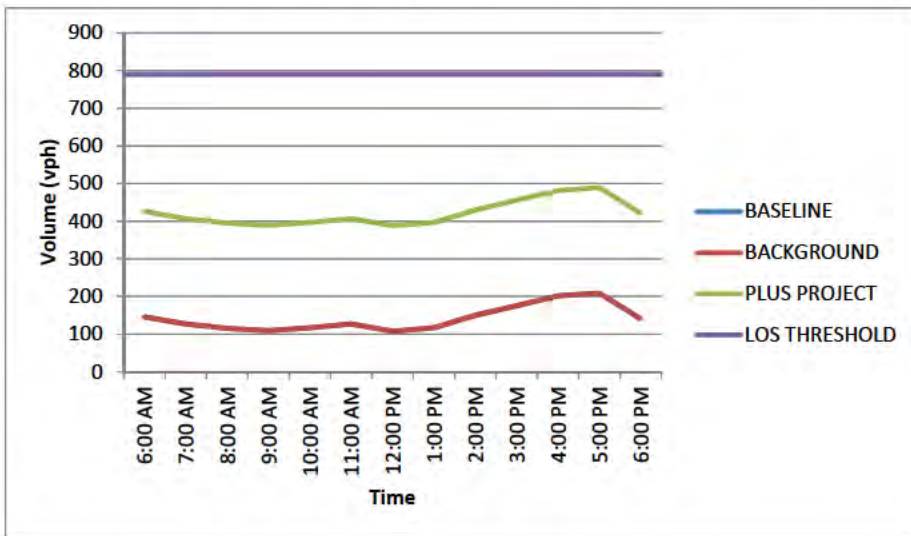
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



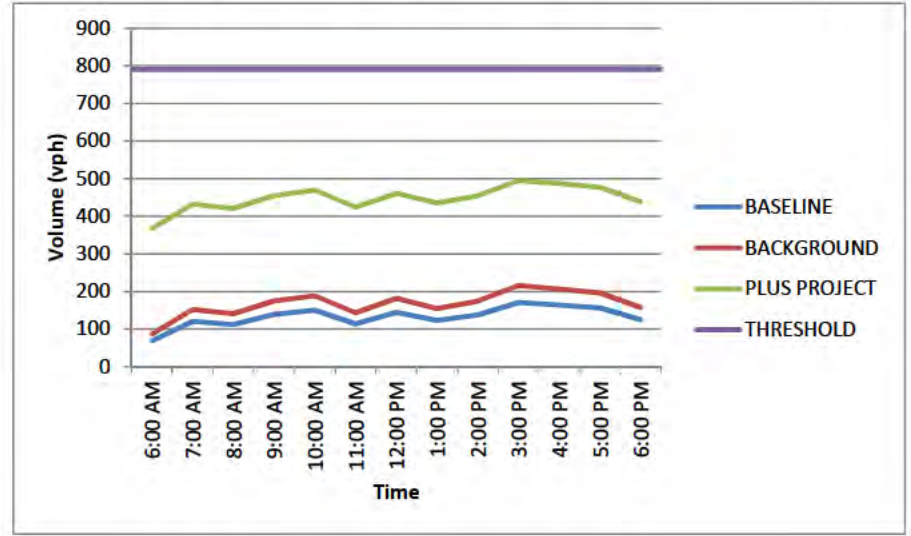
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

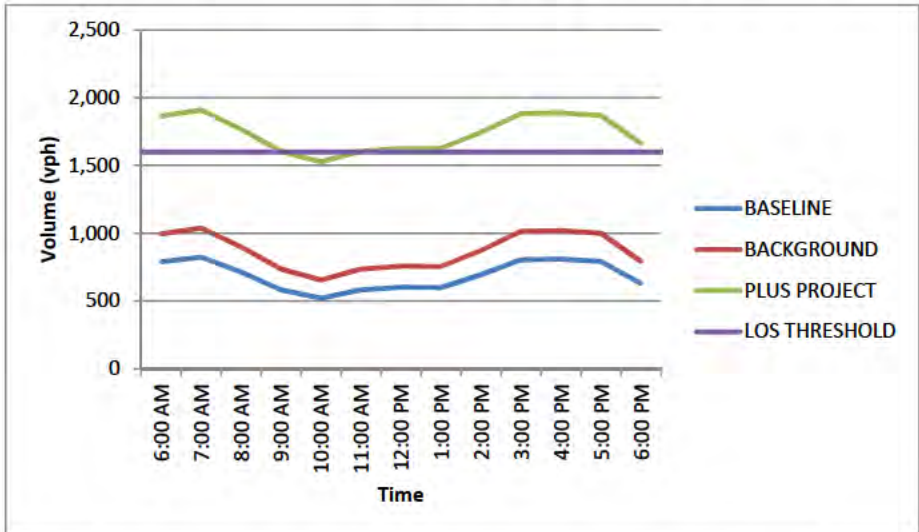


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

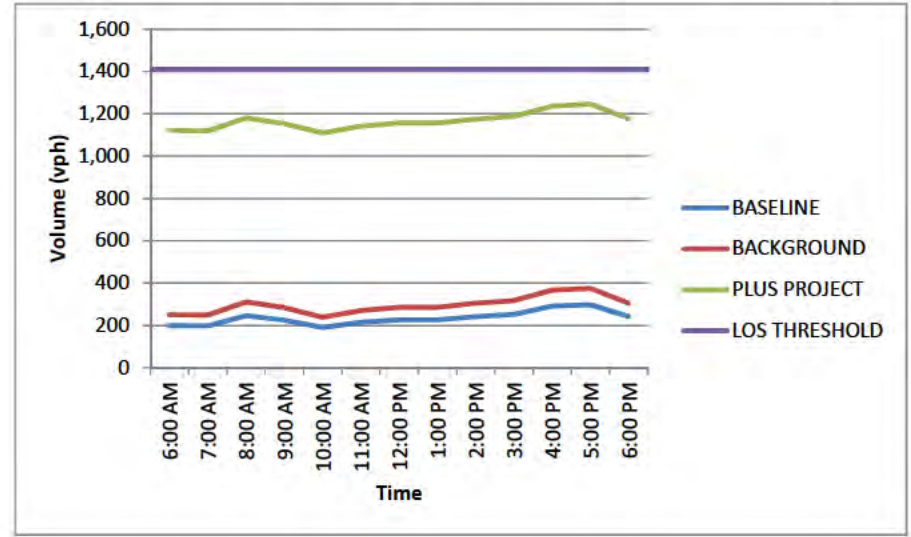


Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

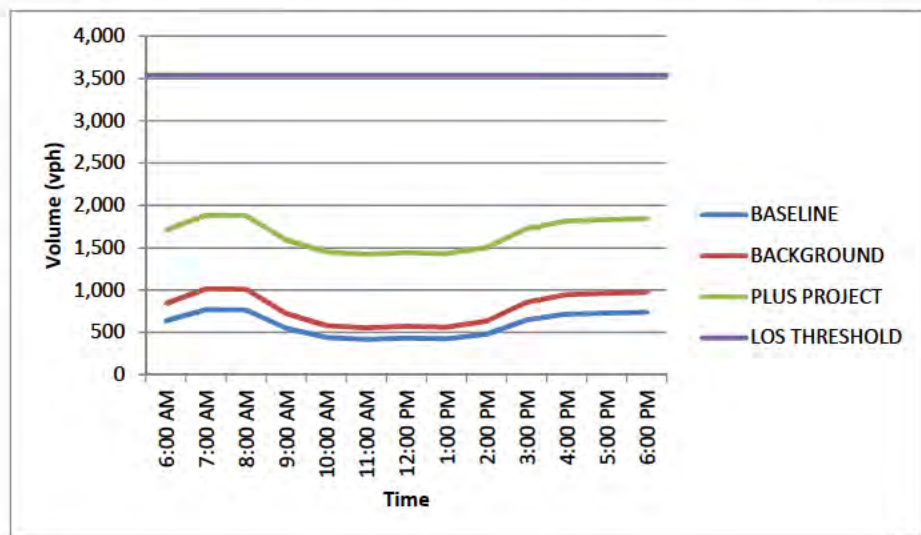
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

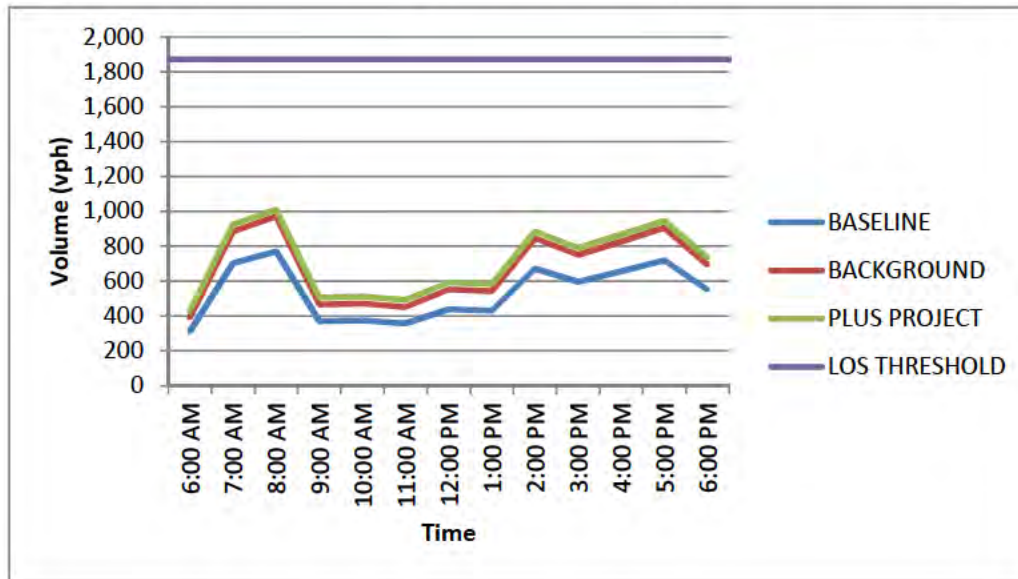


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



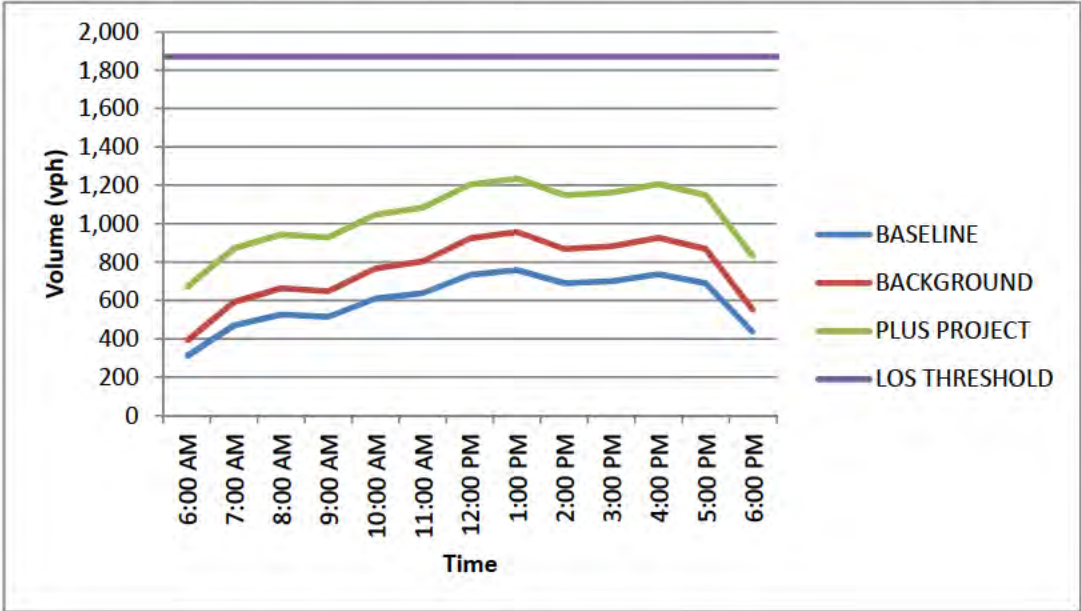
Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



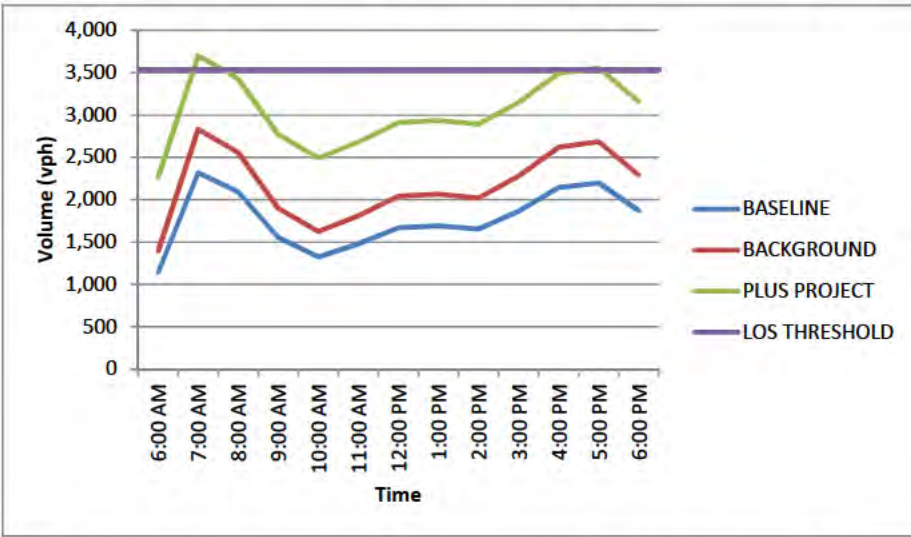
Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - City of Tracy

ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205

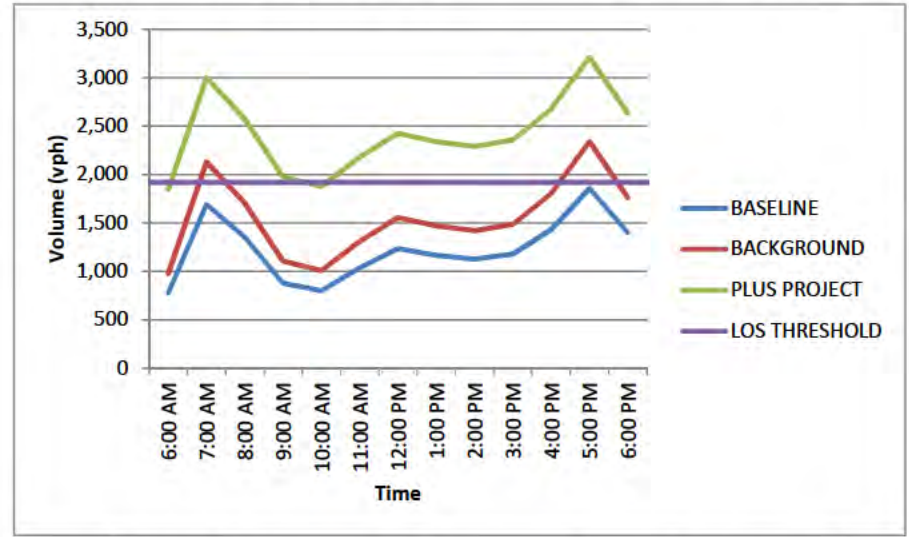


Pipeline/Tunnel Alternative 2D
 Hourly Roadway Volumes and LOS Threshold - West Sacramento

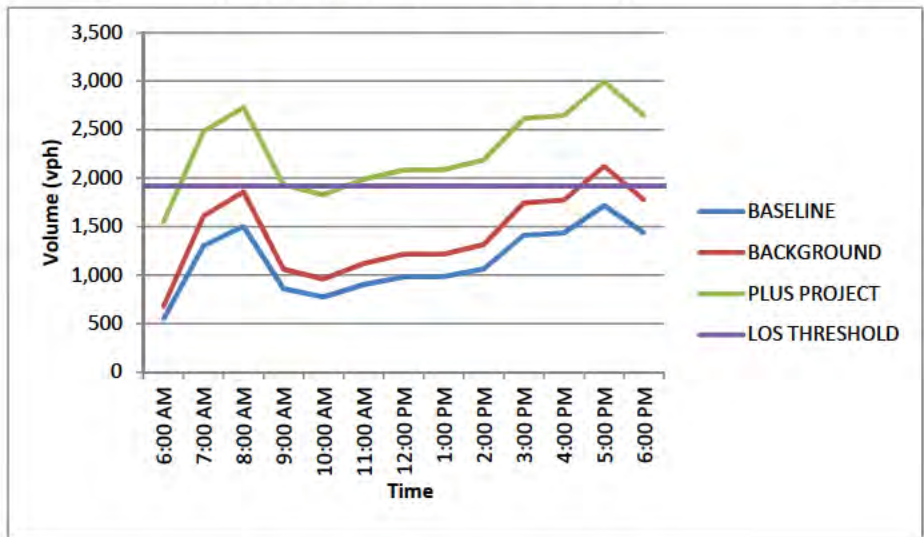
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50



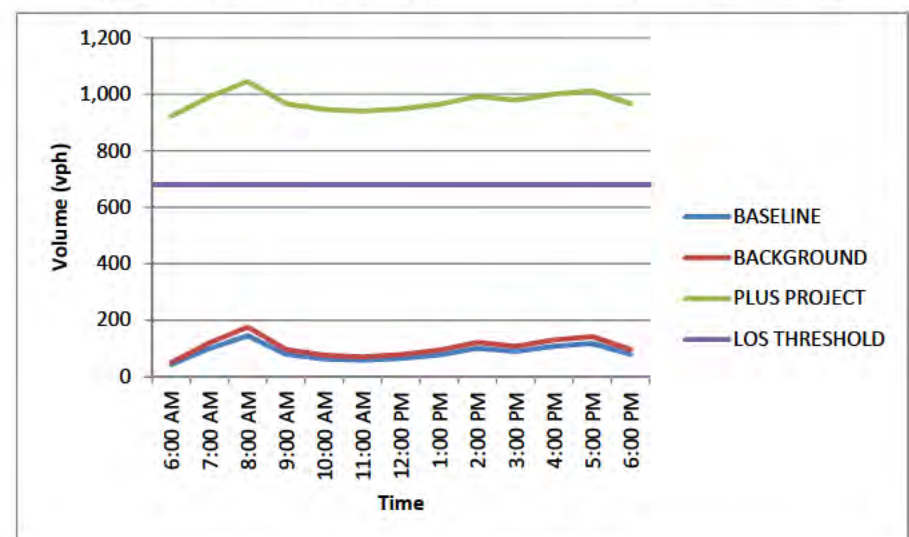
ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy



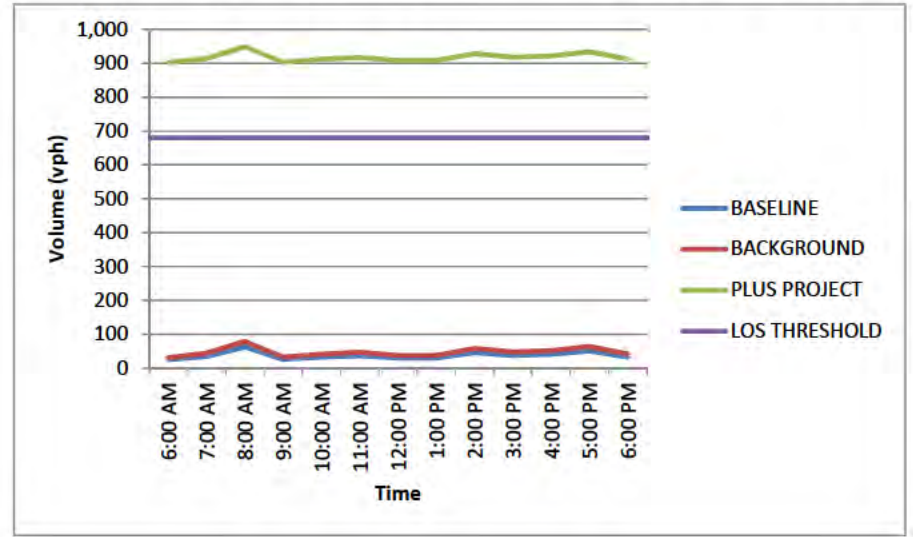
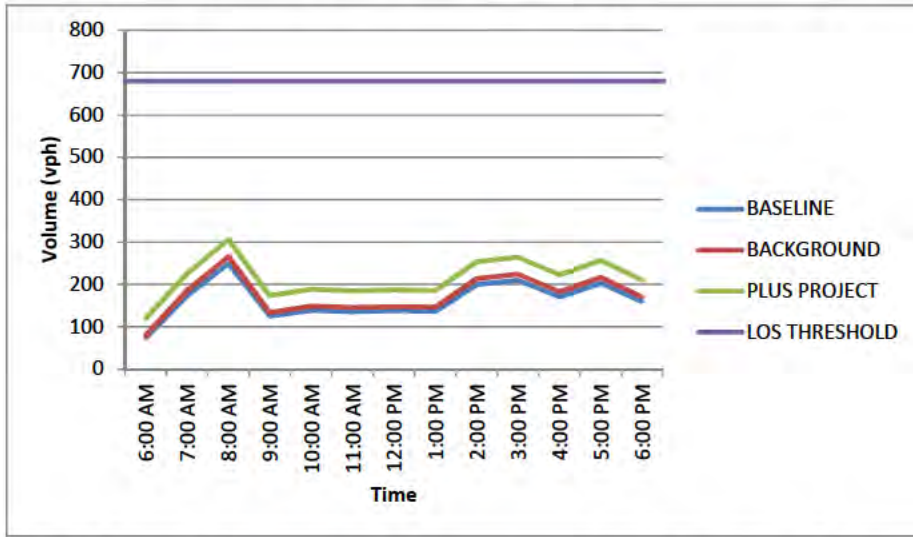
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



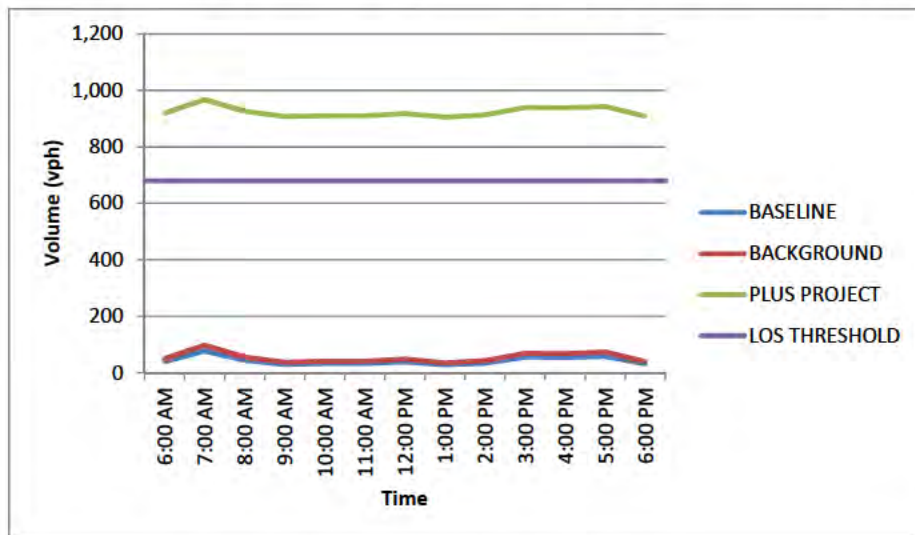
Pipeline/Tunnel Alternative 2D
Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd



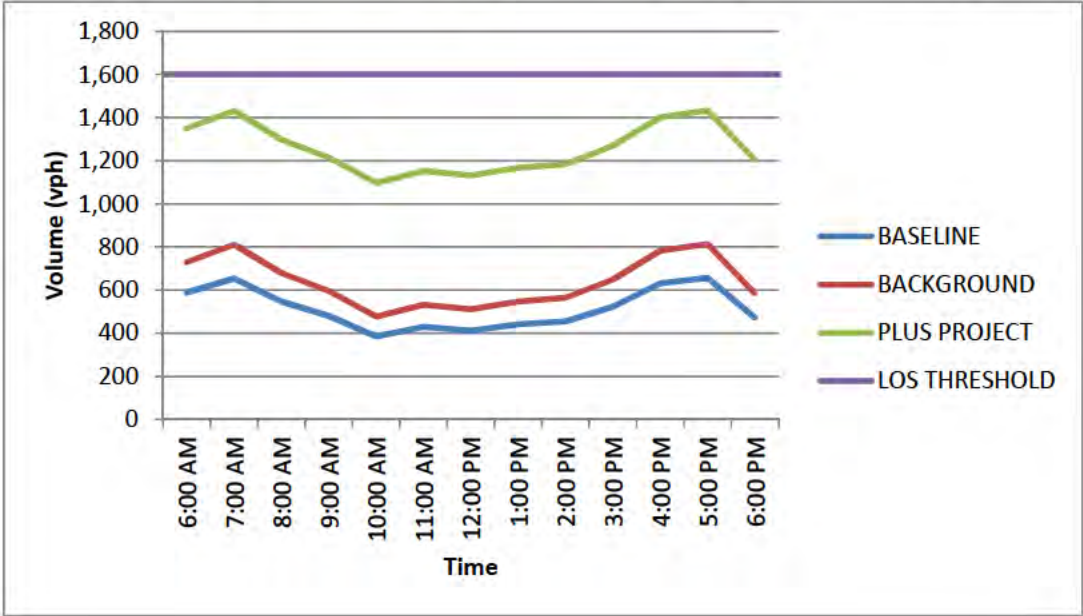
Modified Pipeline/Tunnel Alternatives 4 and 4A Hourly Roadway Volumes and LOS Threshold Charts

4 Chart Notes:

- 5 • For roadway segments with no growth in background traffic, the “Background” traffic volume is
6 equal to the “Baseline” traffic volume.
- 7 • For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic
8 volume is equal to the “Baseline” and “Background” traffic volumes.

Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

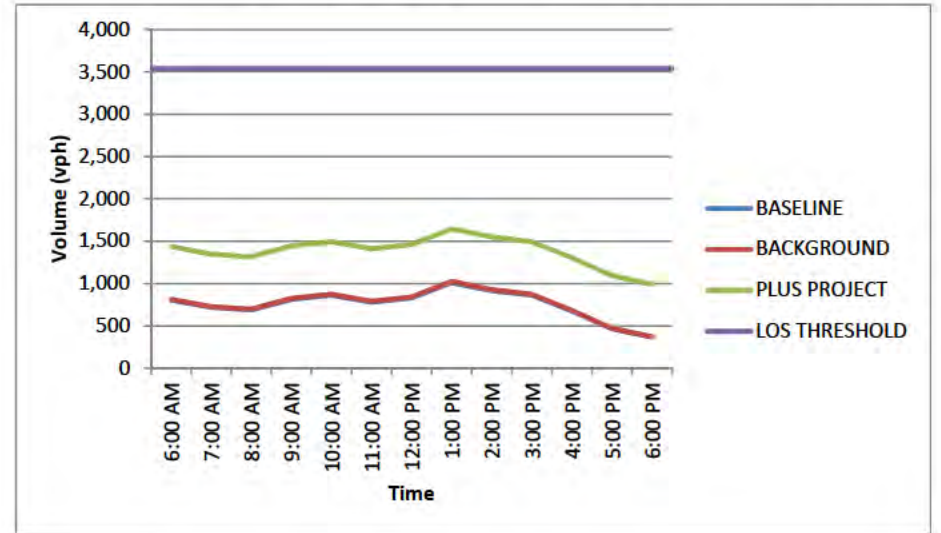
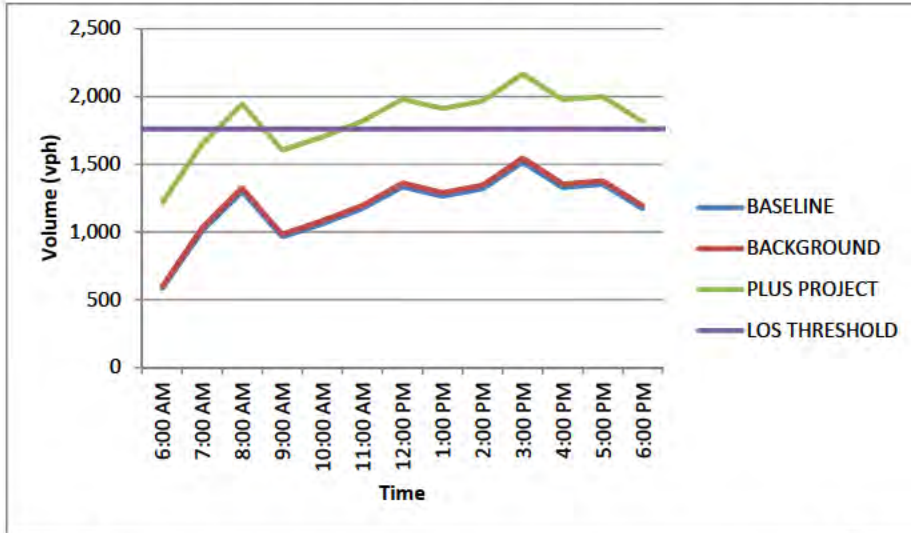
ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line



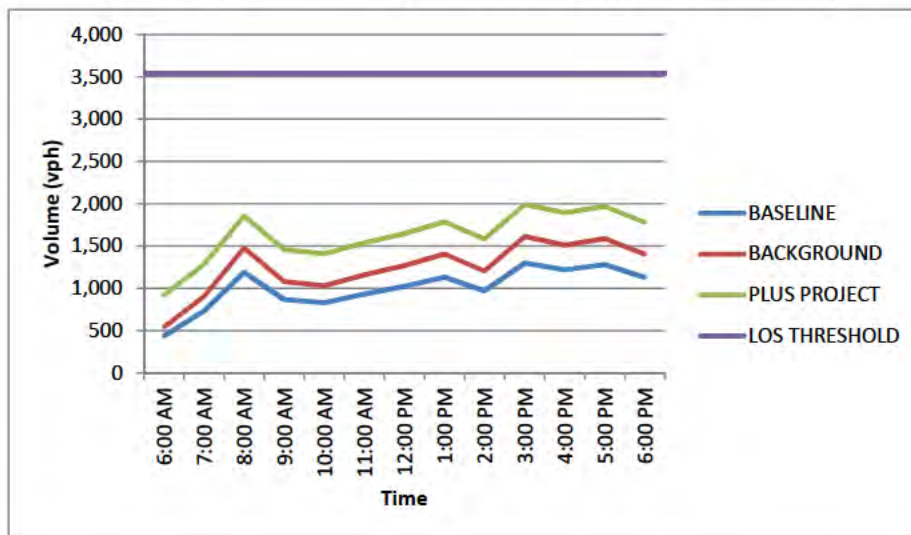
Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - City of Brentwood

ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd

ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)



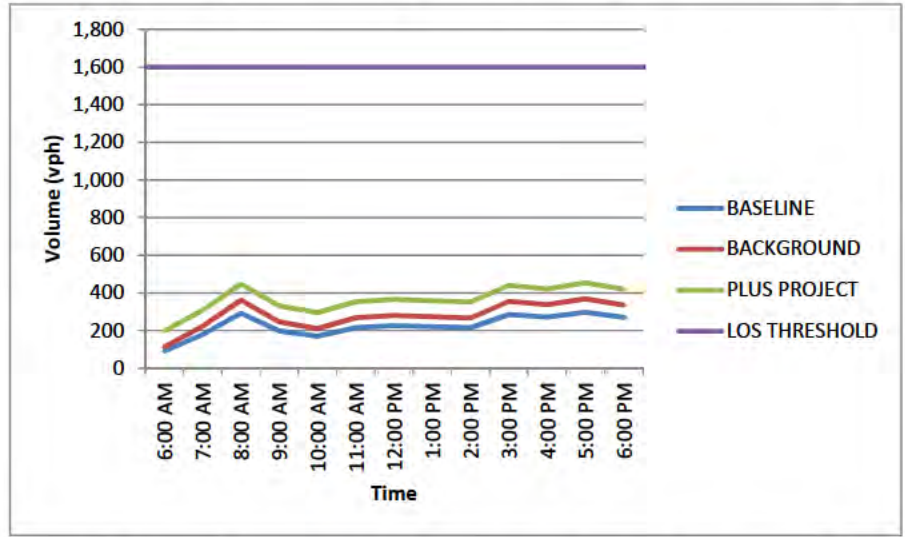
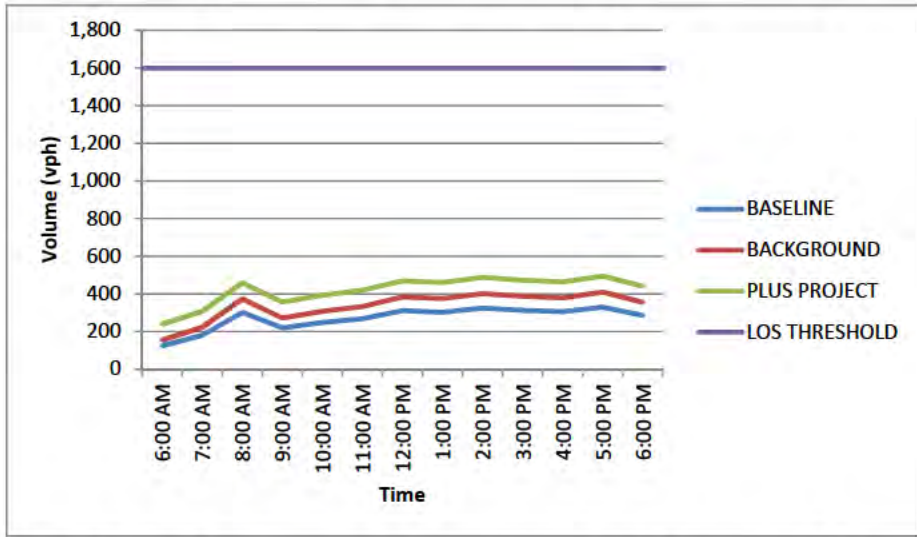
ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits



Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

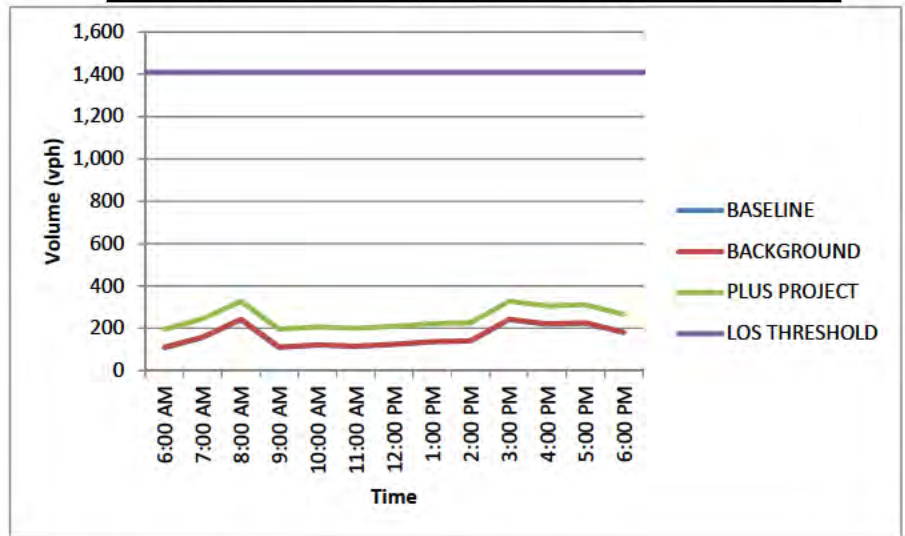
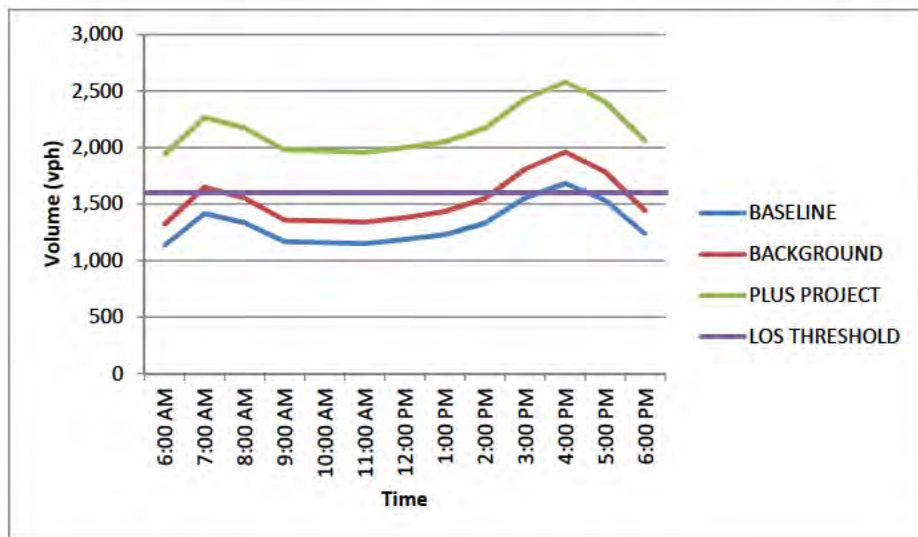
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End

ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



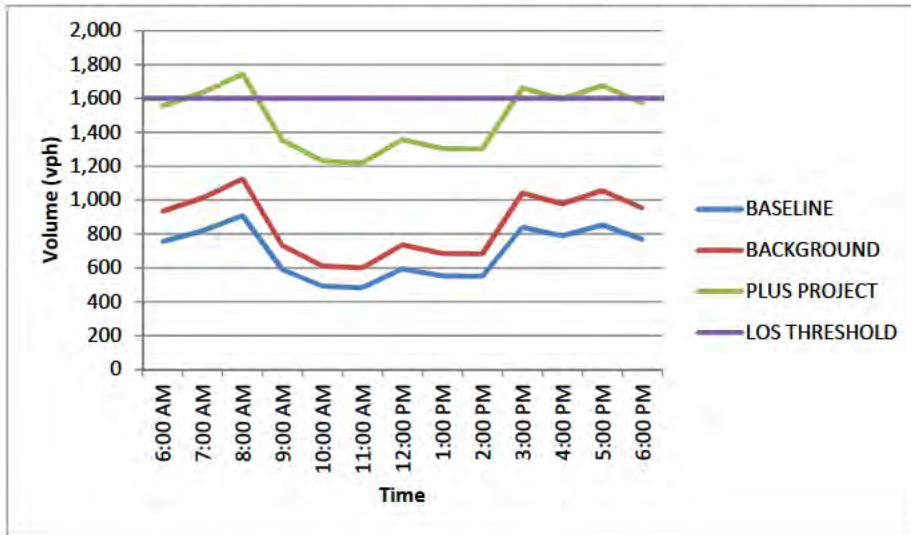
ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



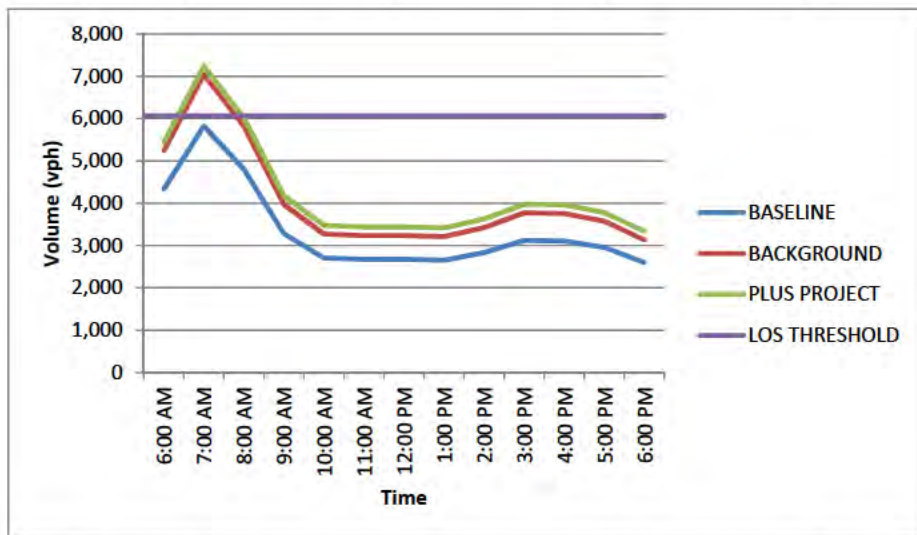
Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

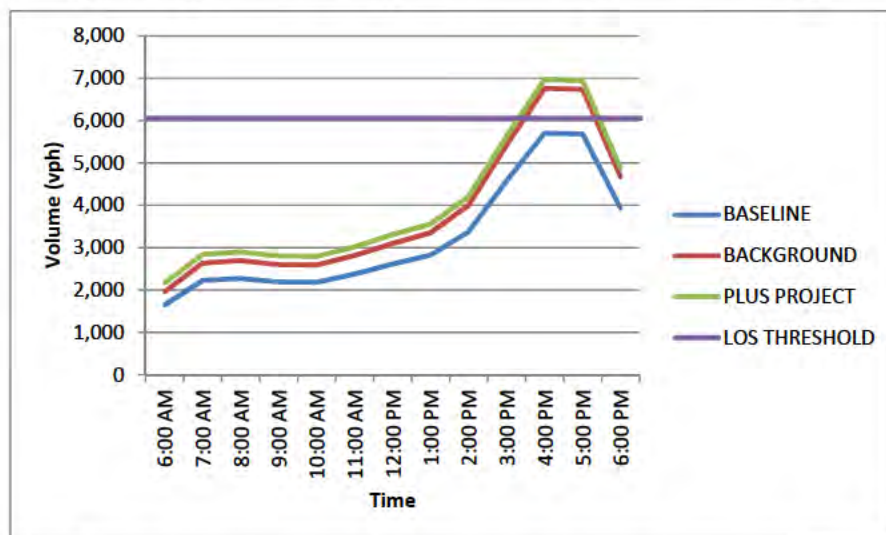


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

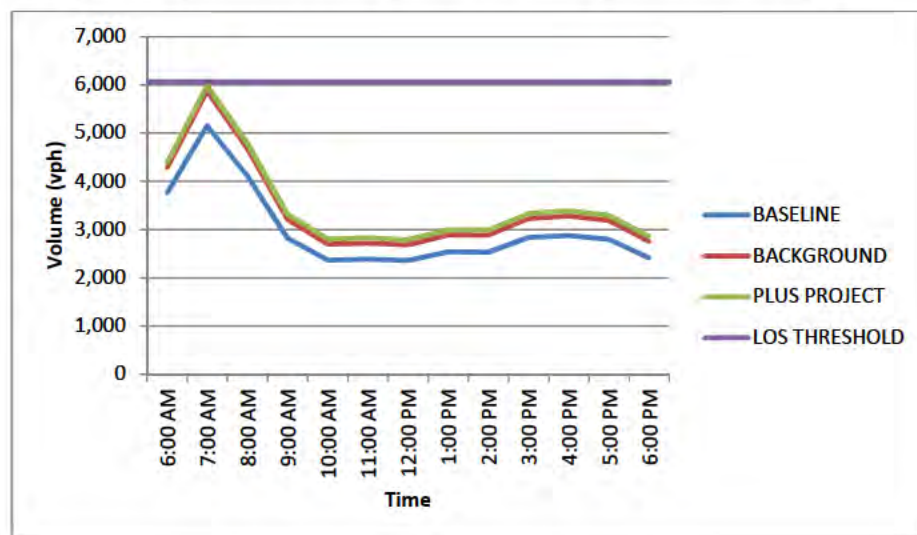
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



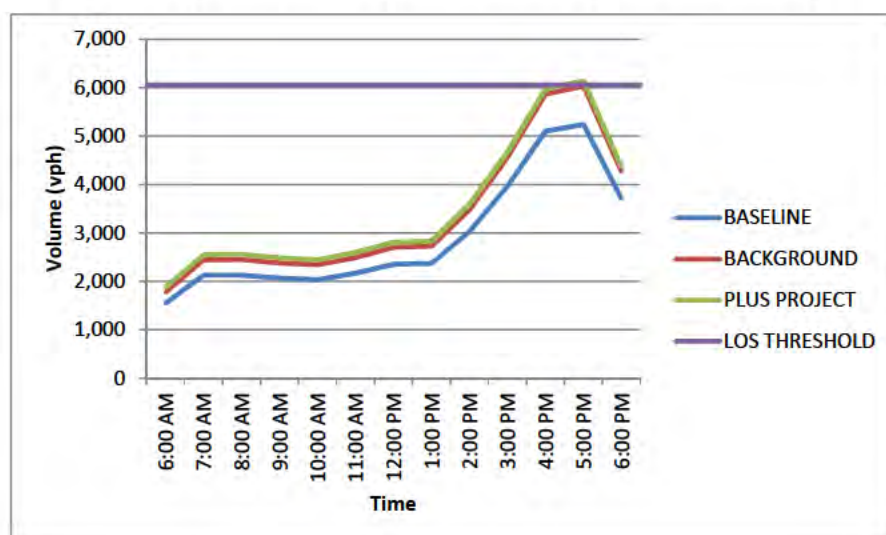
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

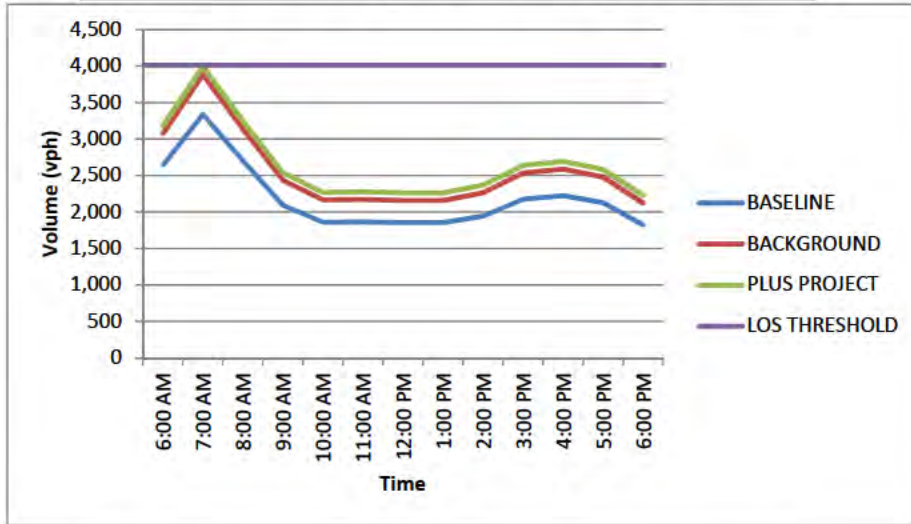


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

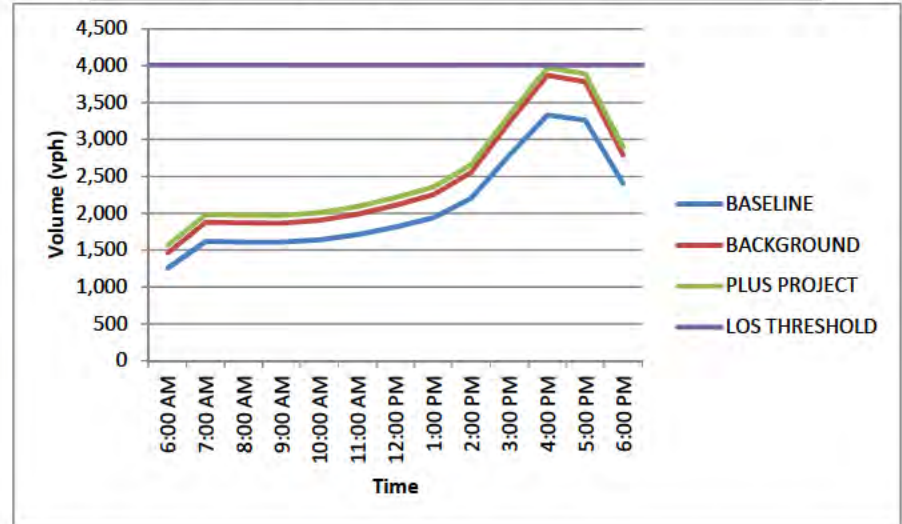


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

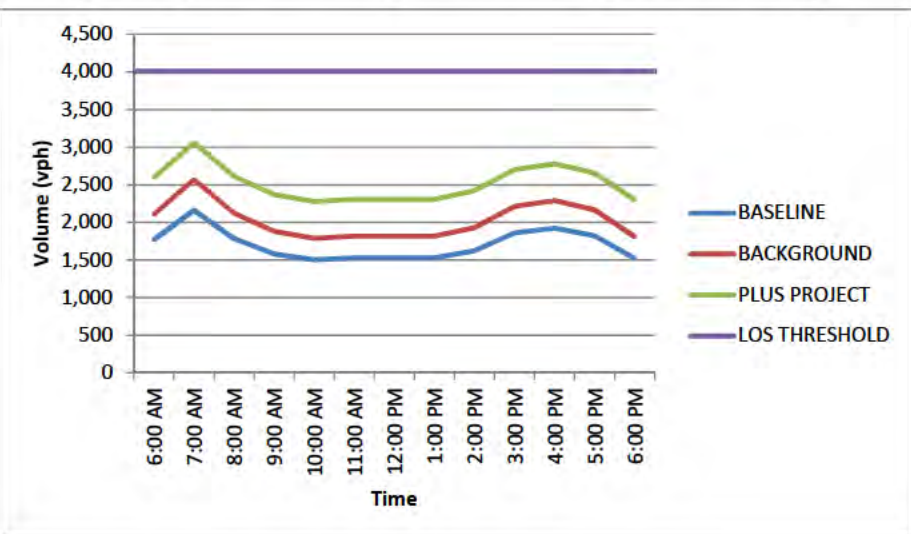
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



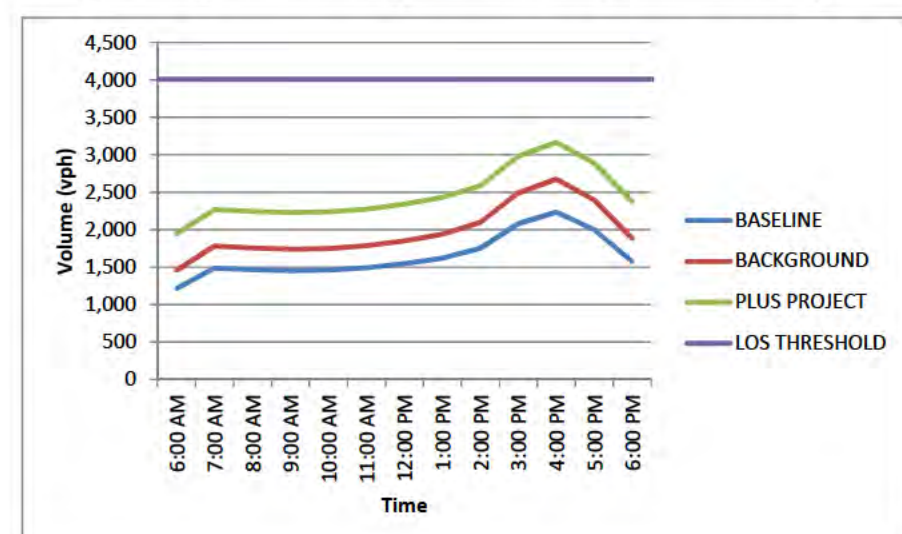
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



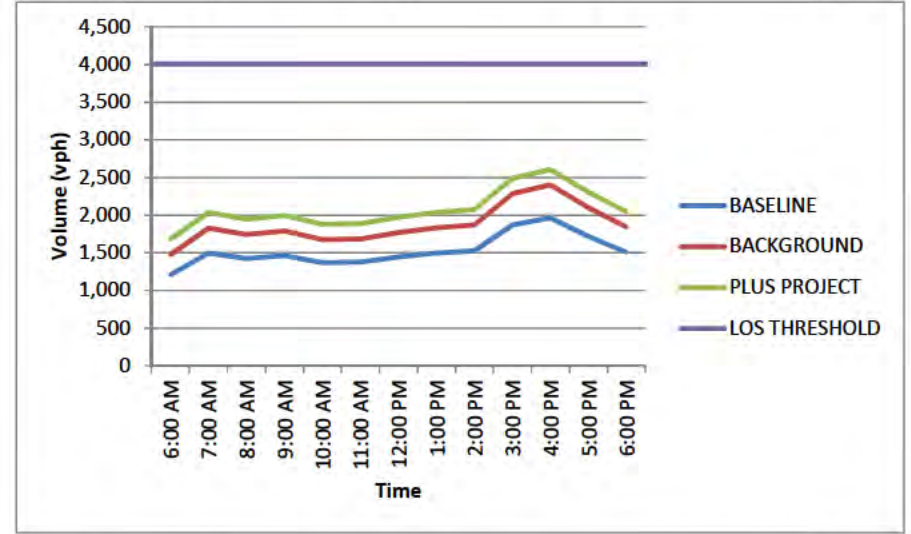
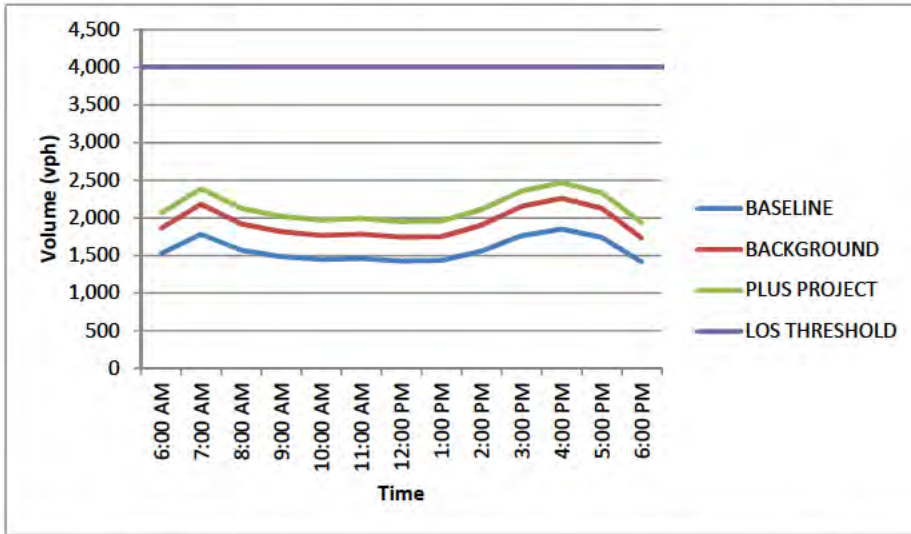
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

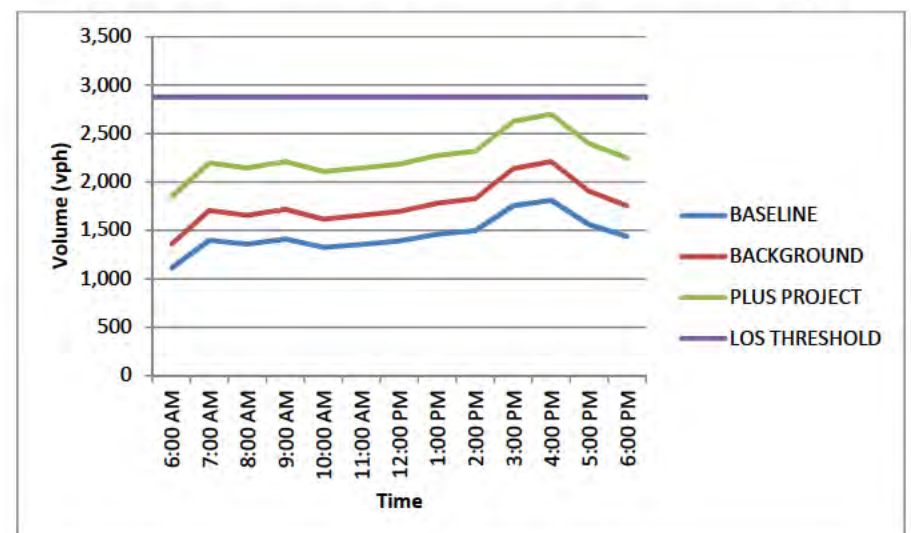
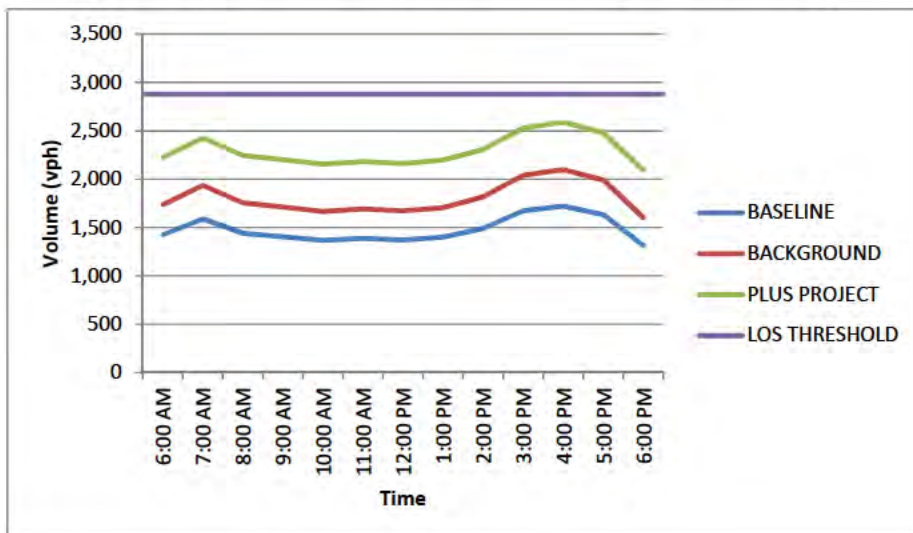
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

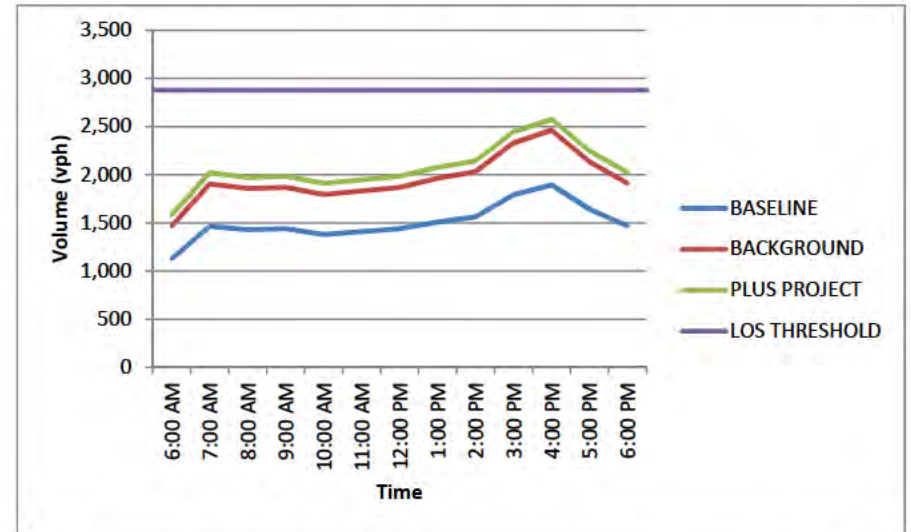
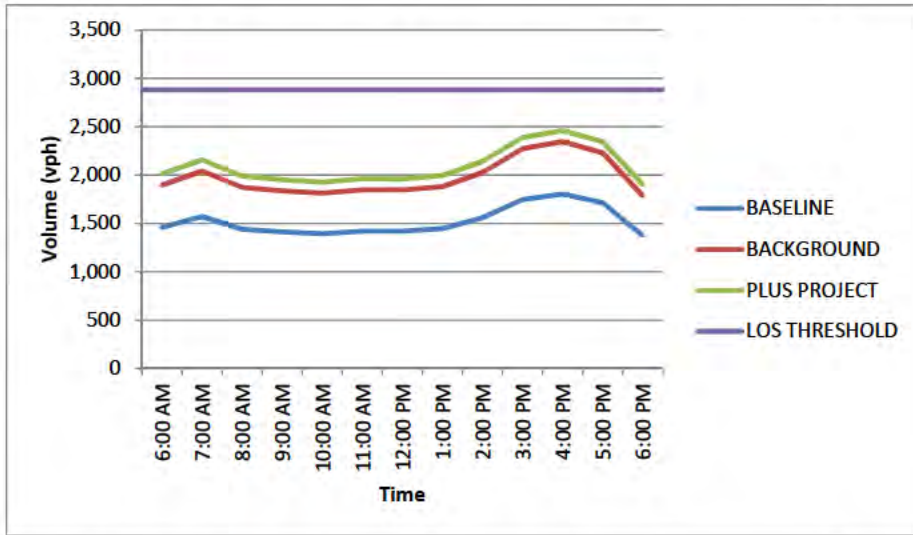
ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd



Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

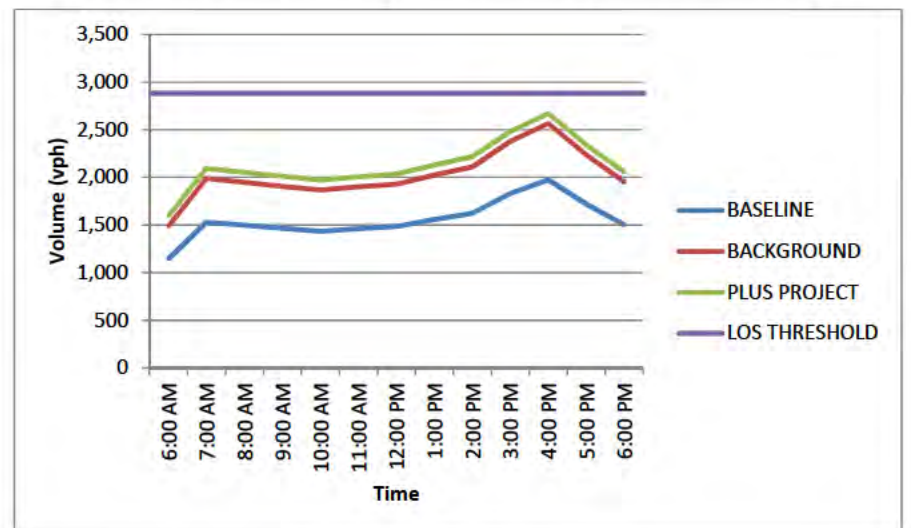
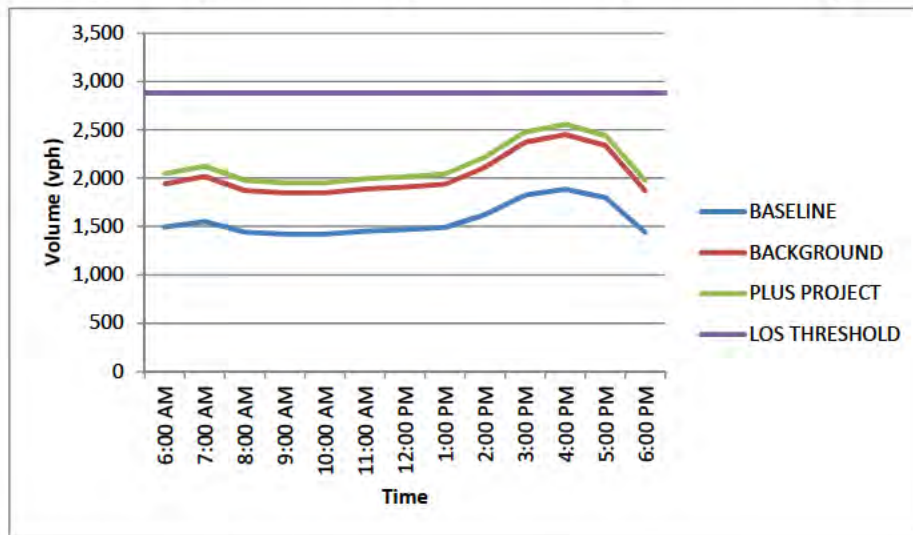
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd

ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



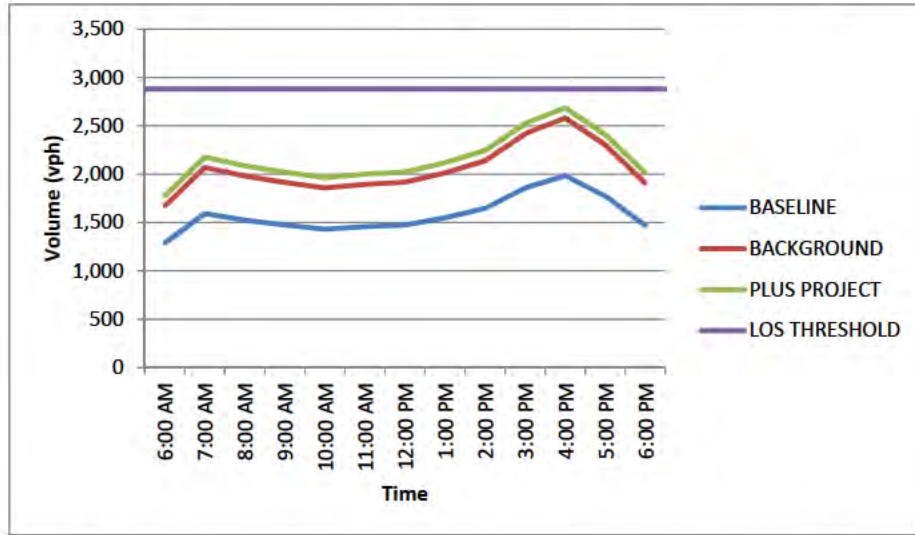
ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd

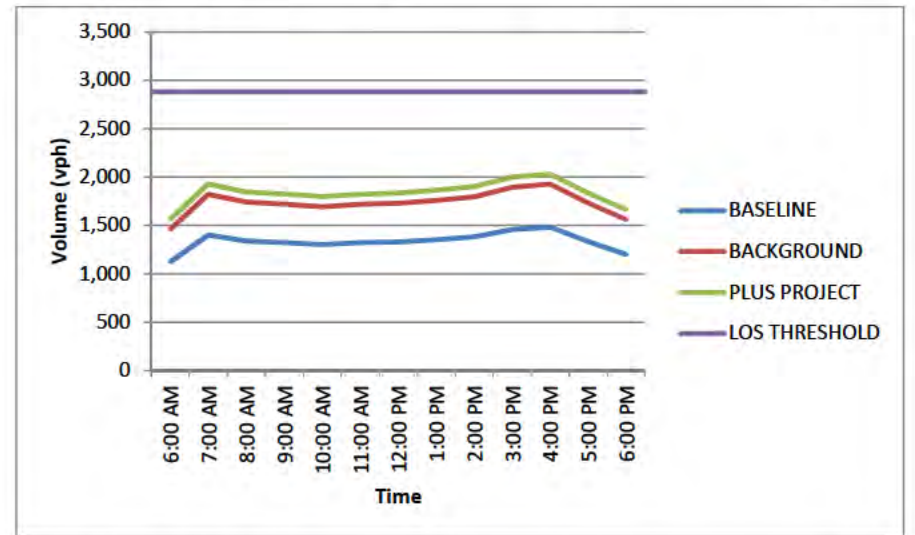


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

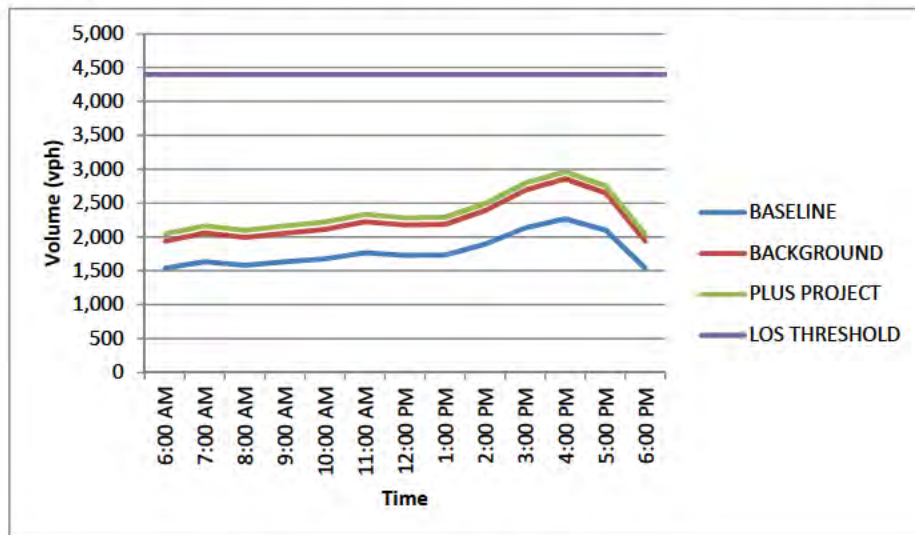
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd



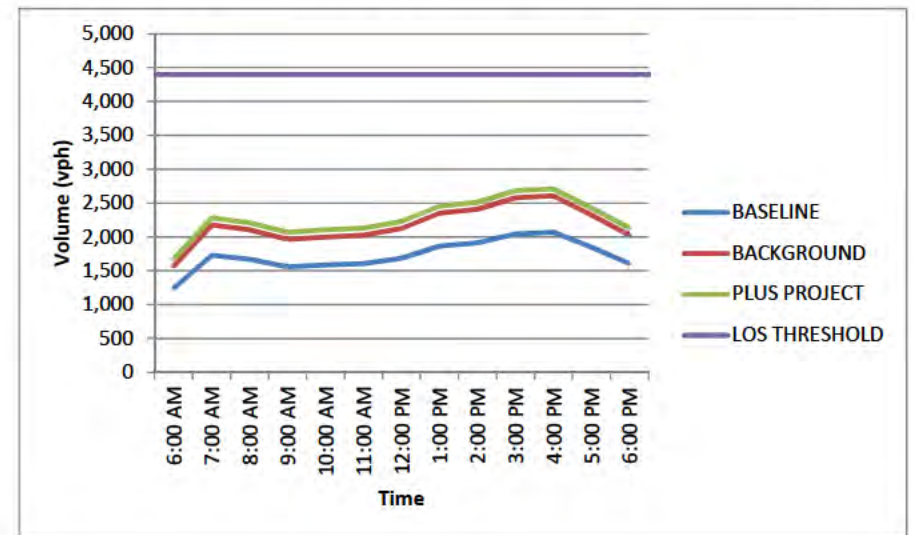
ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

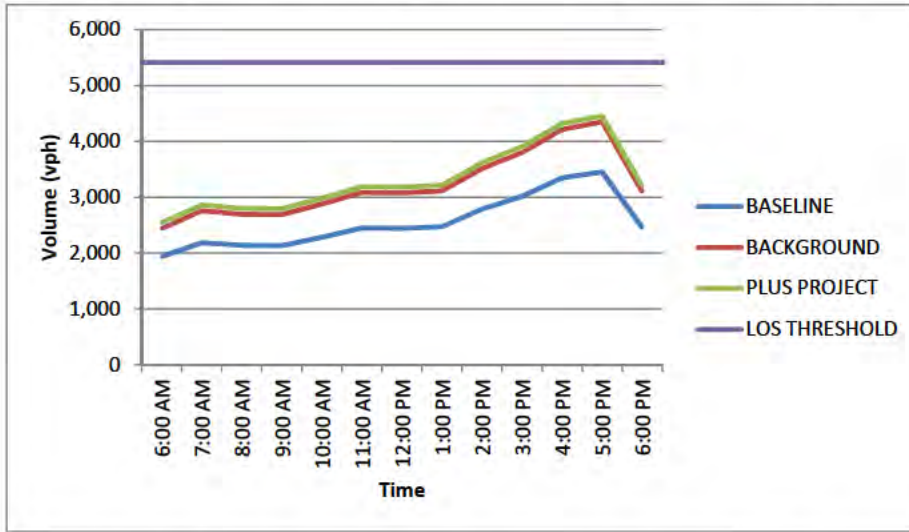


ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

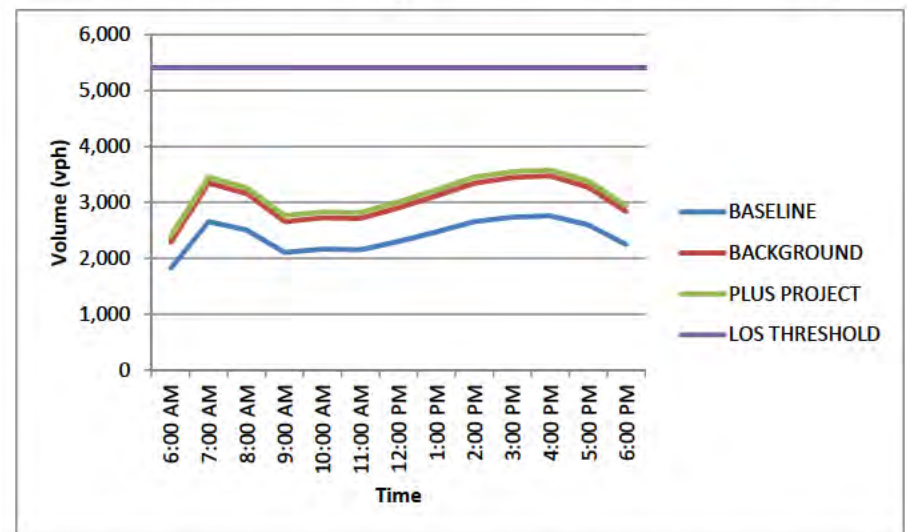


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

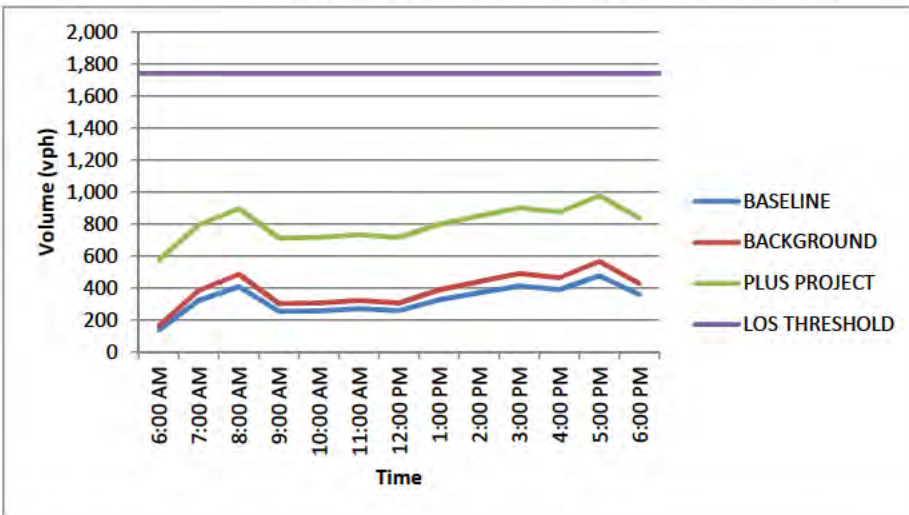
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



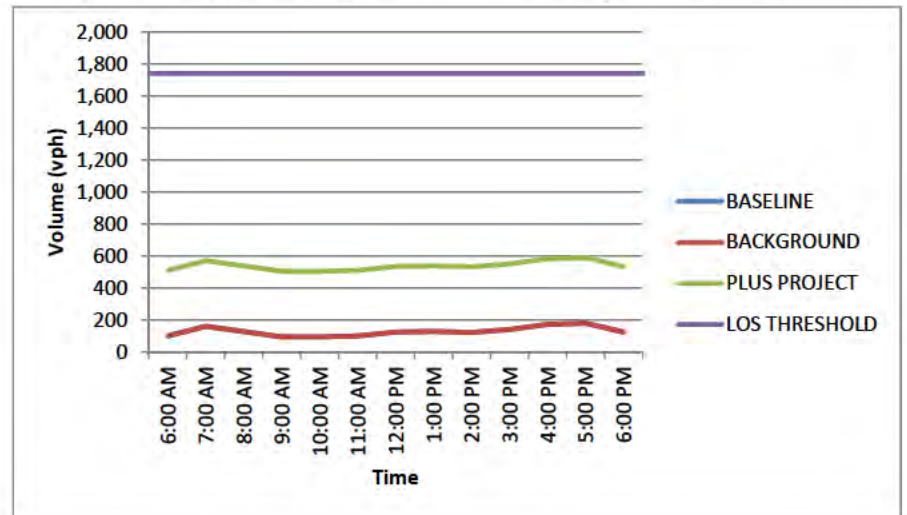
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

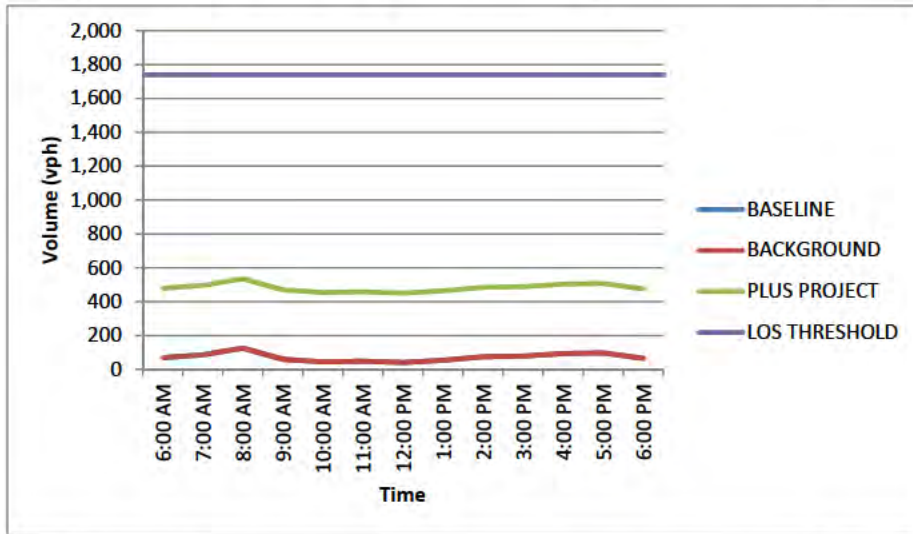


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

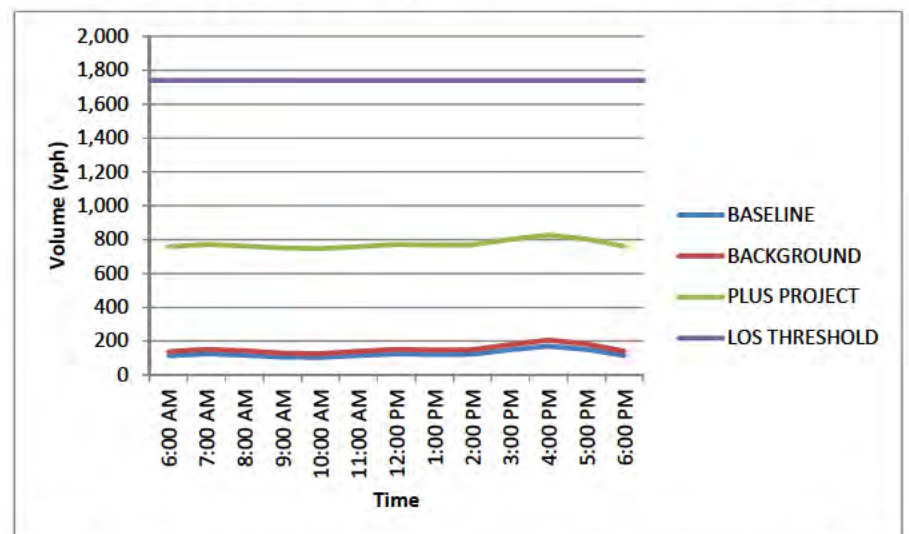


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

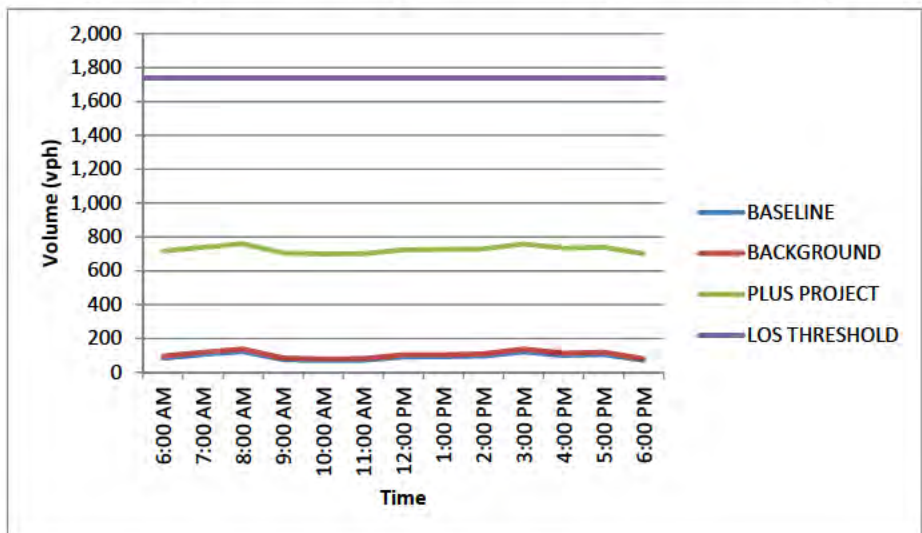
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



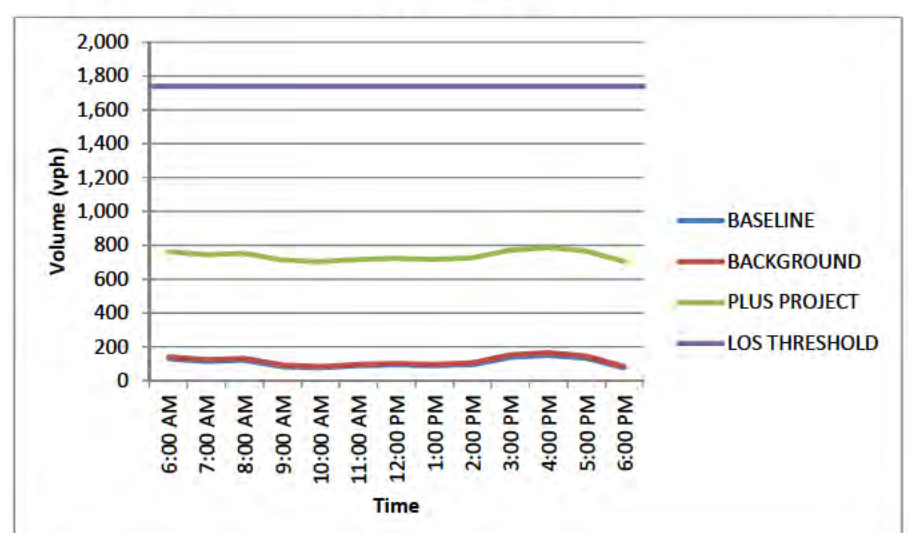
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

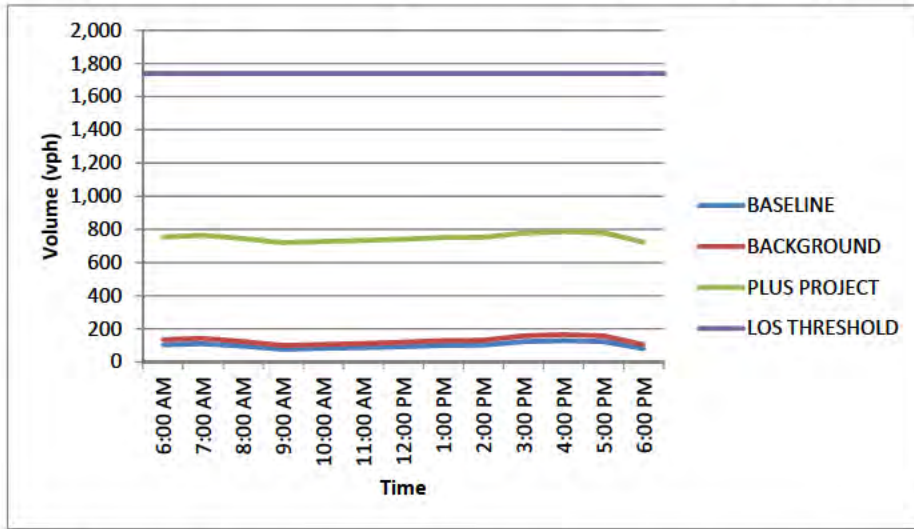


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

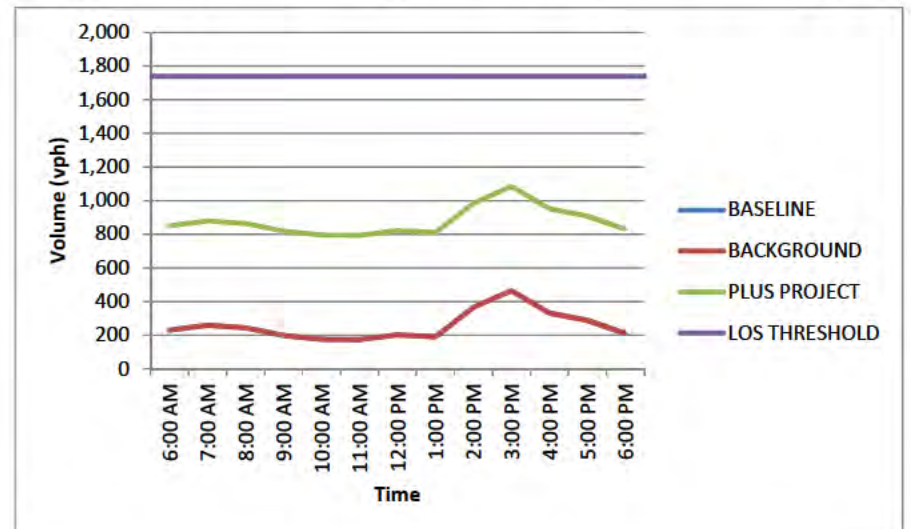


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

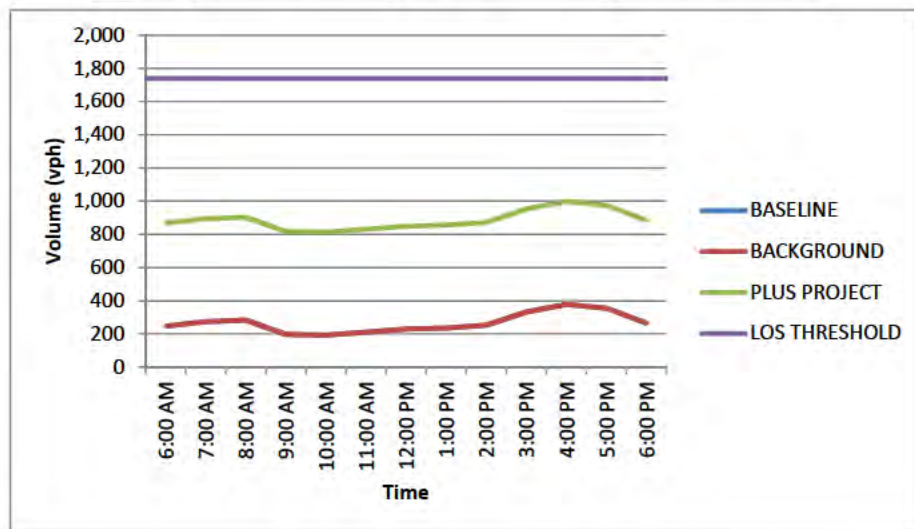
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



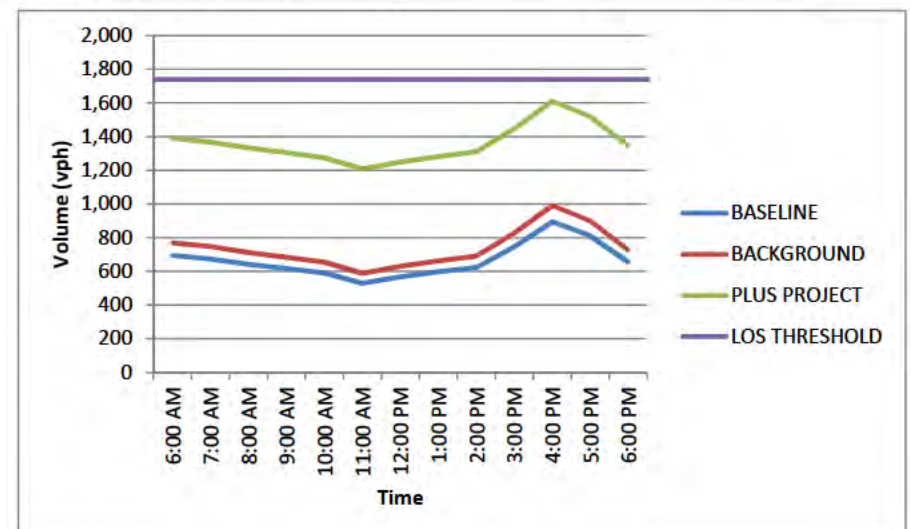
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12



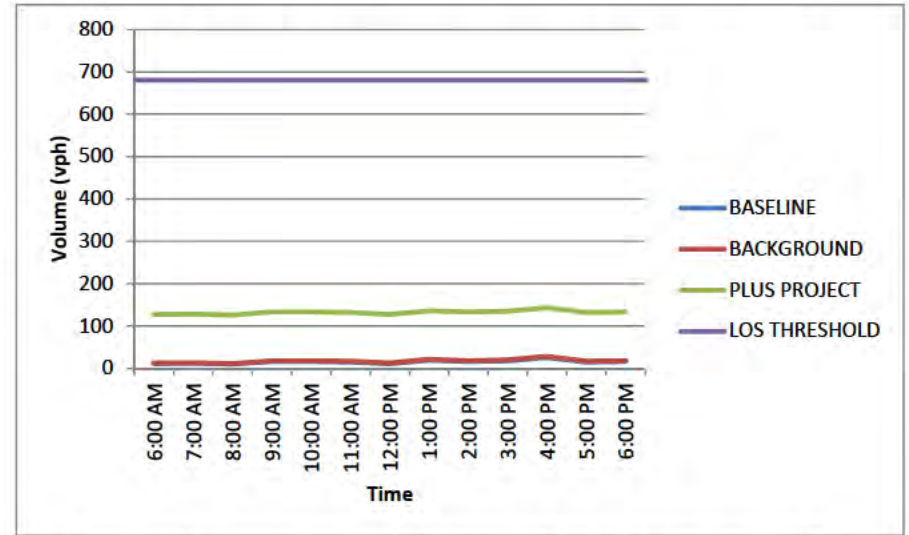
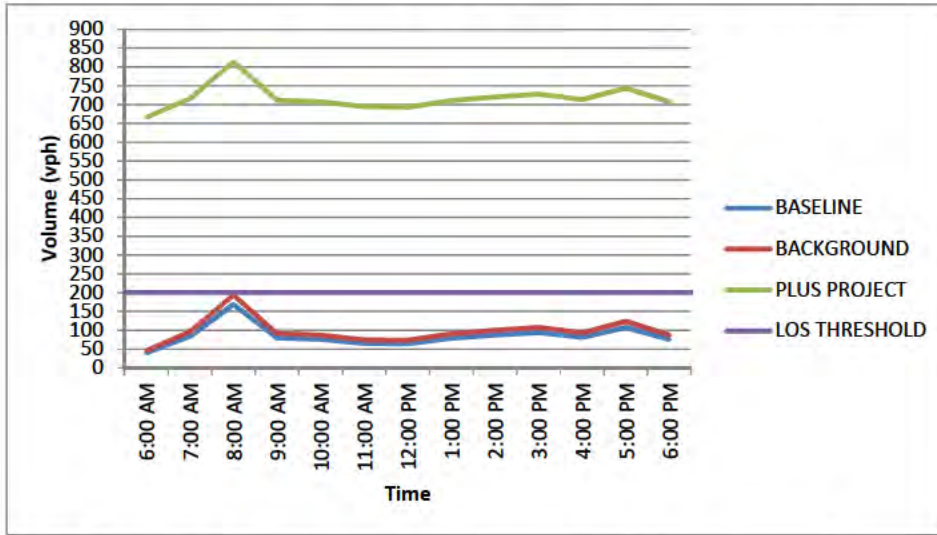
ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12



Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

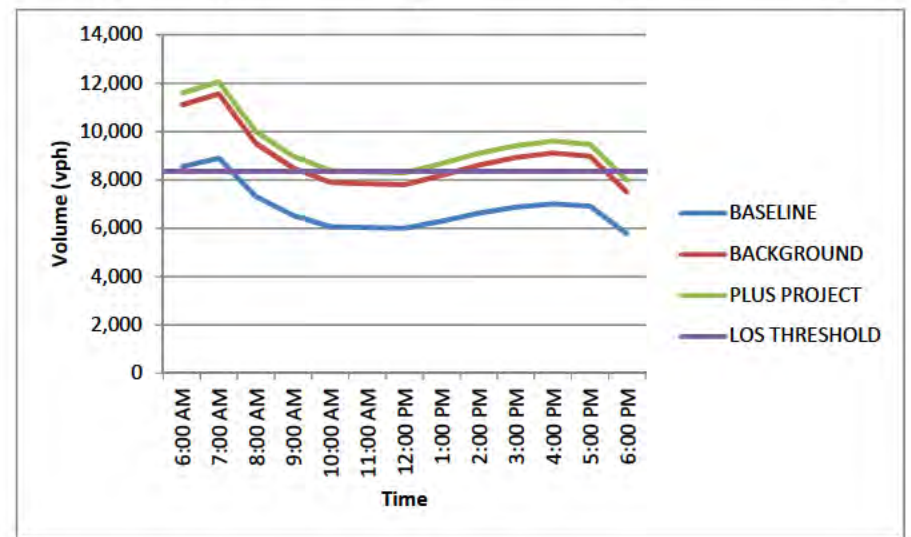
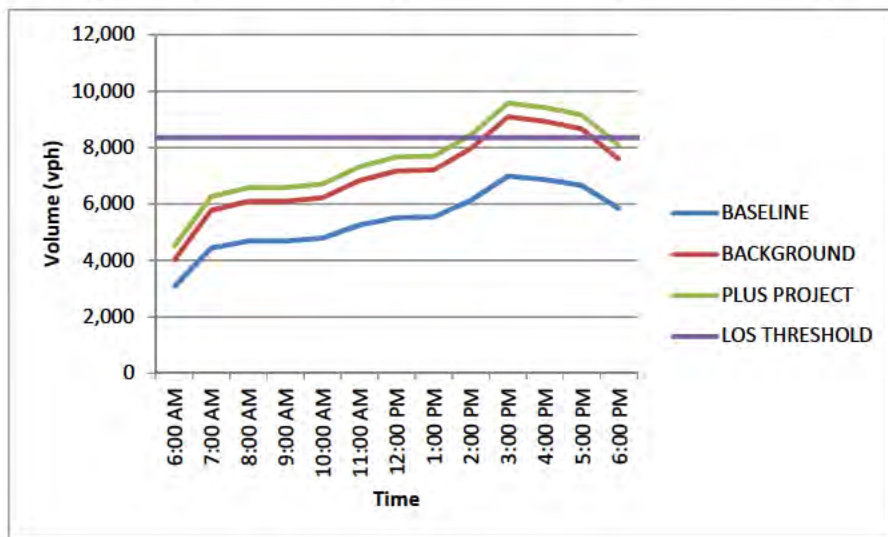
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd

ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



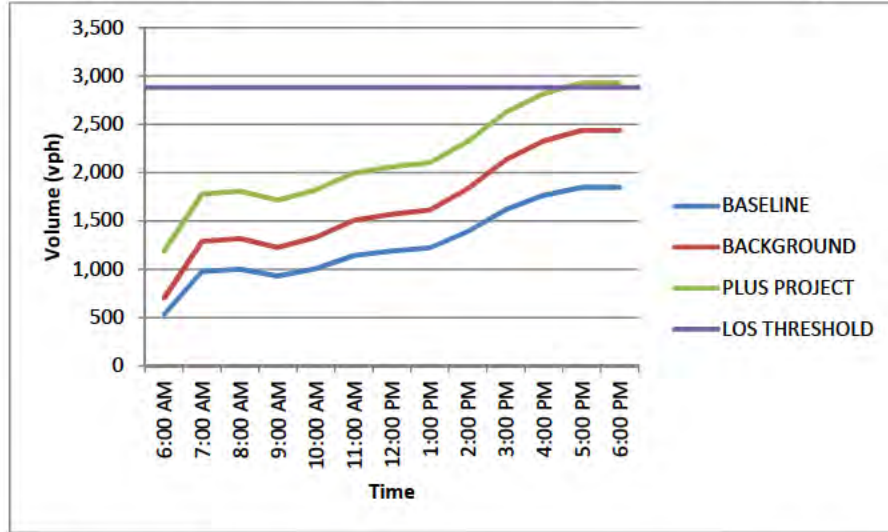
ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

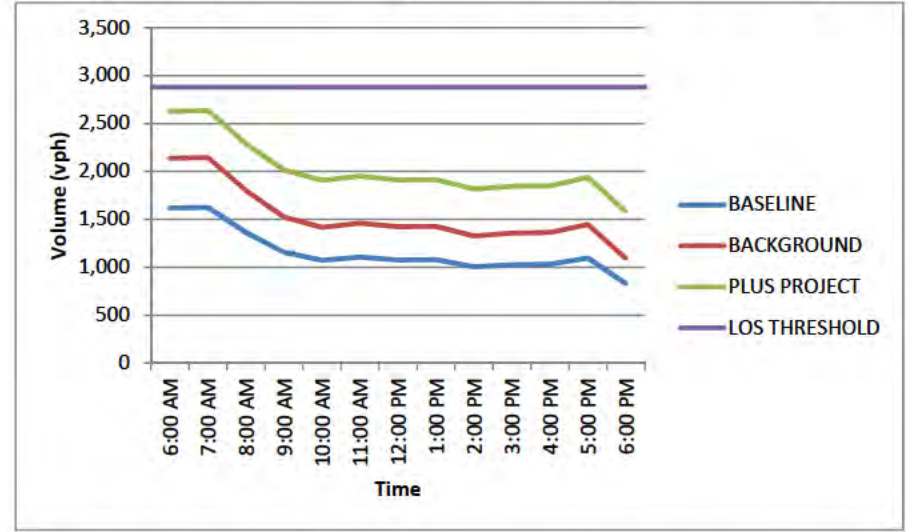


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

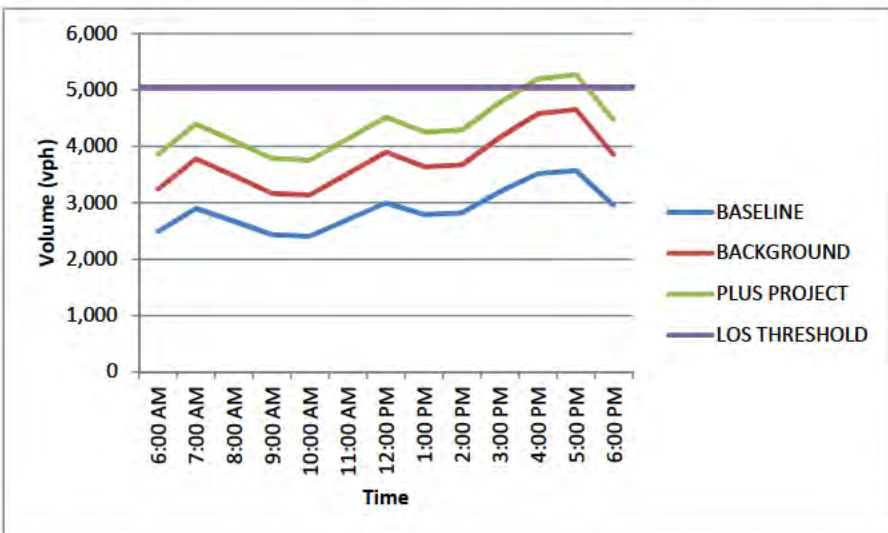
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



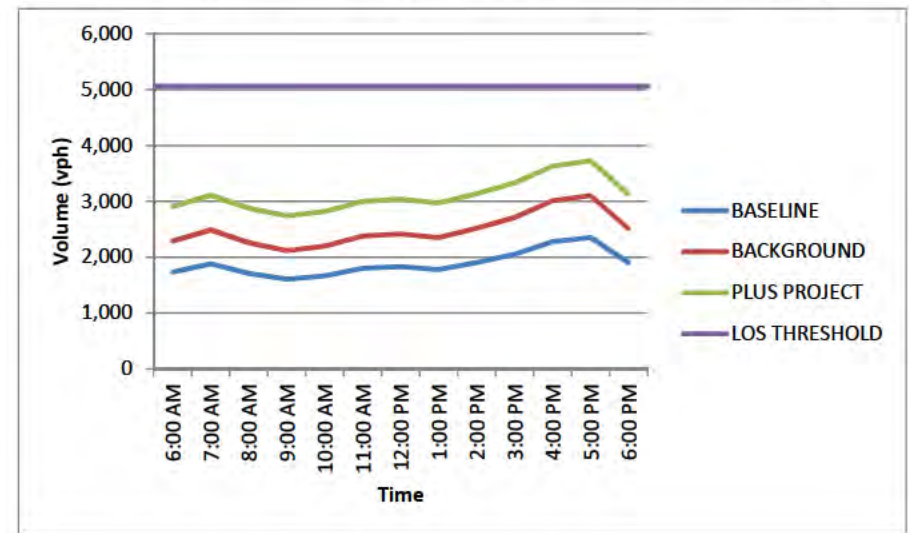
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

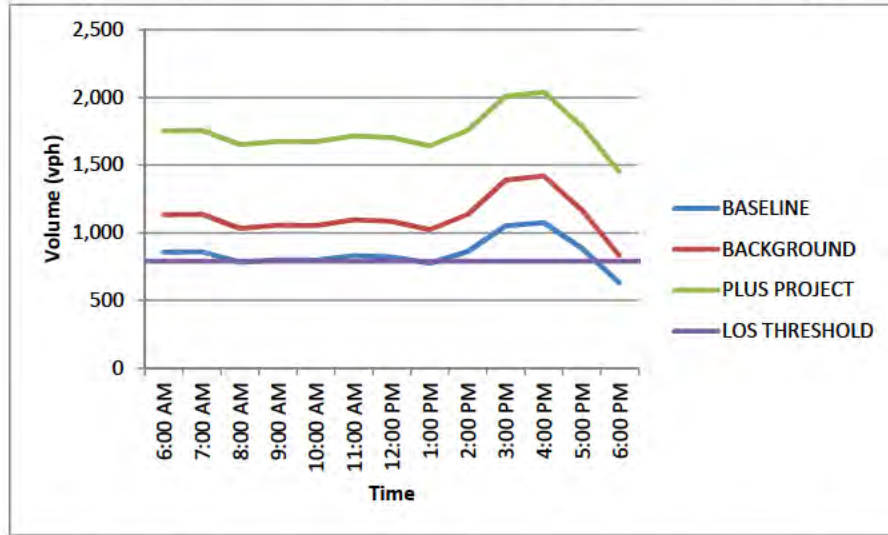


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

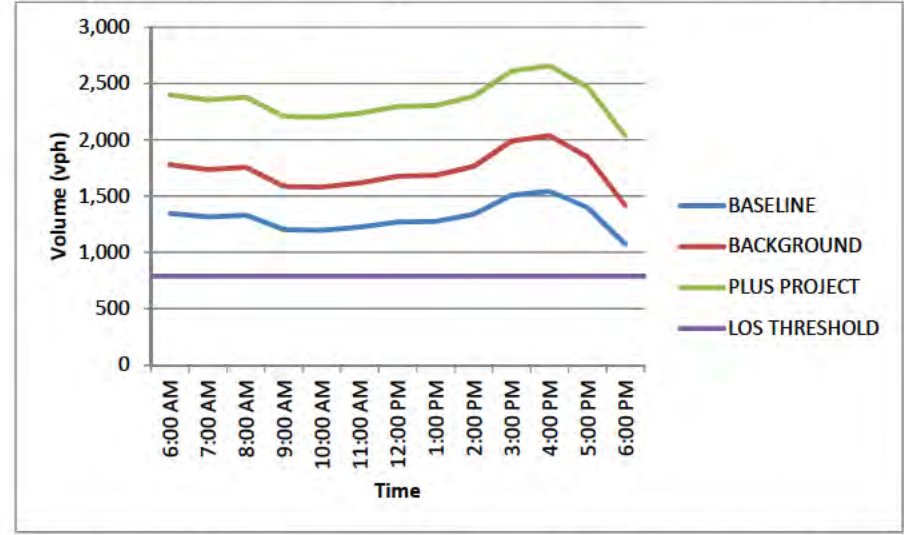


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

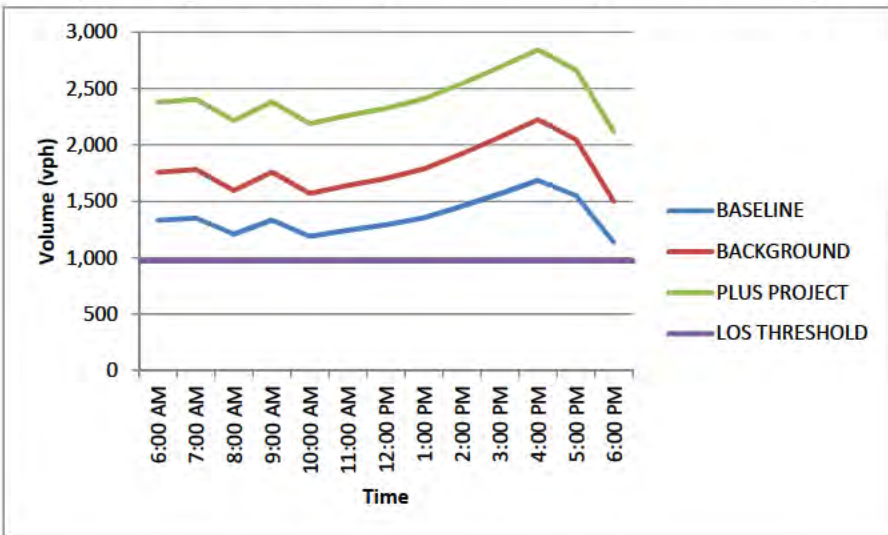
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



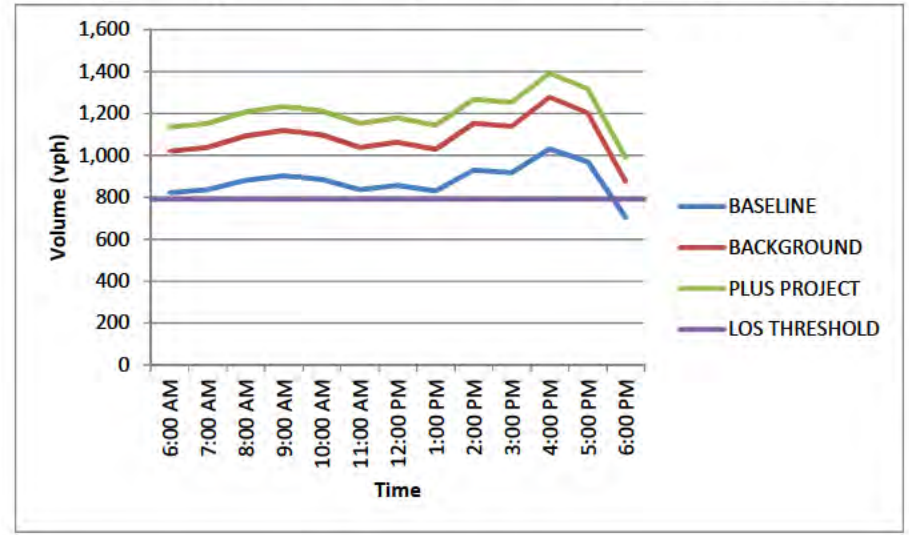
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

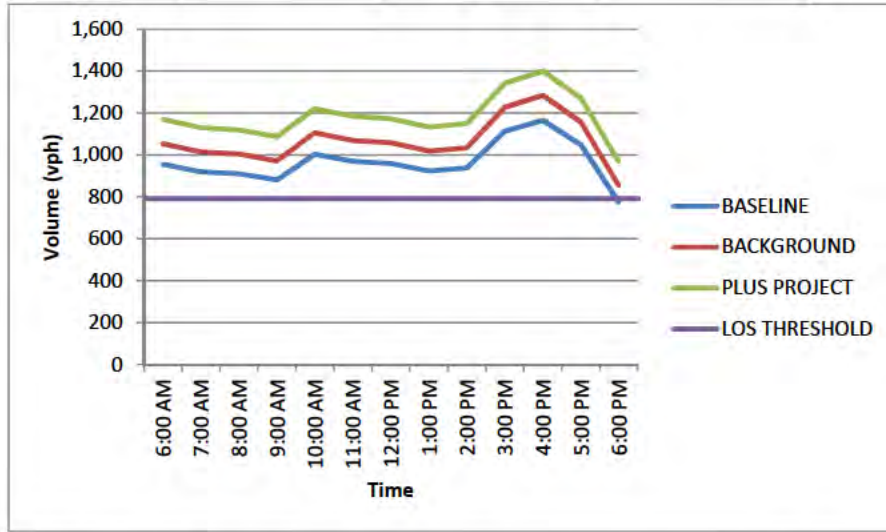


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

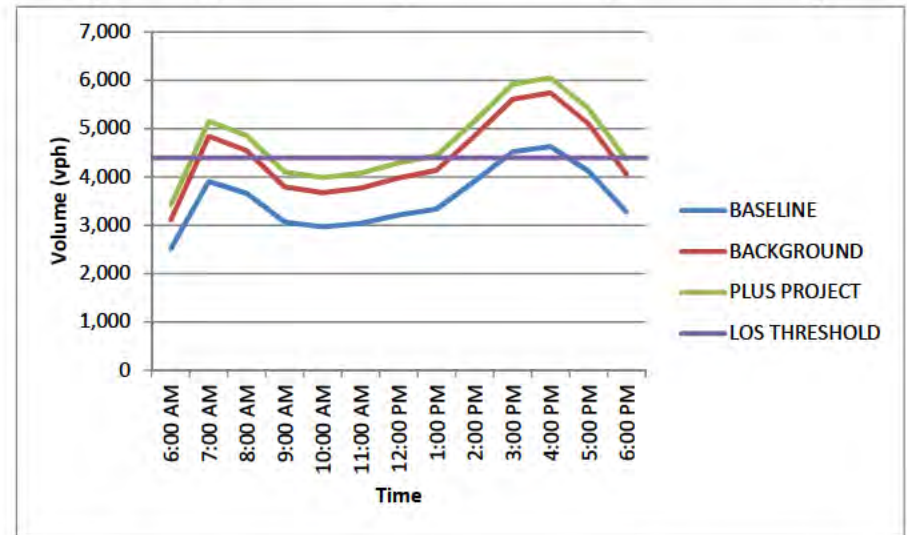


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

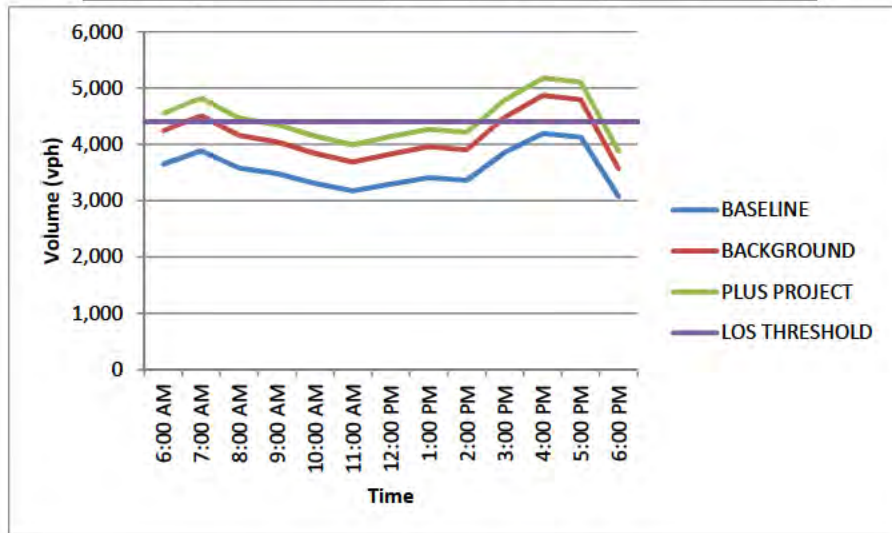
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



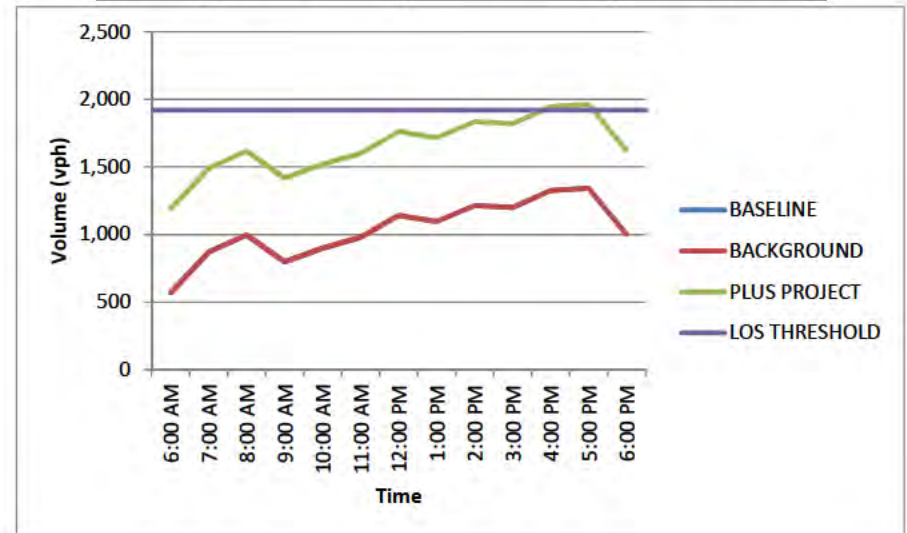
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

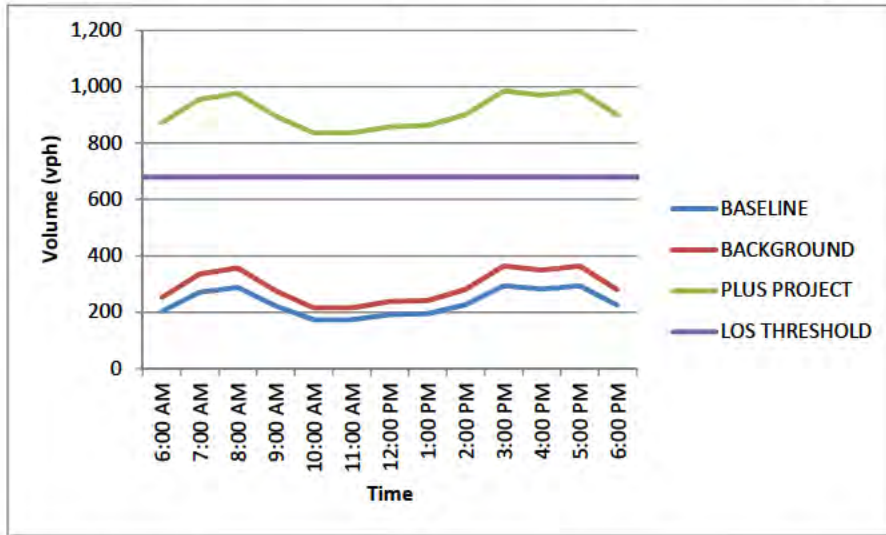


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

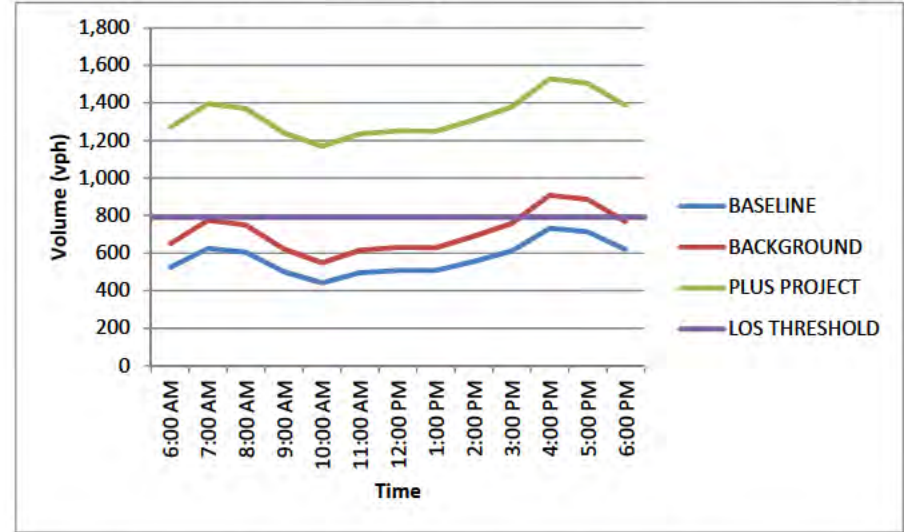


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

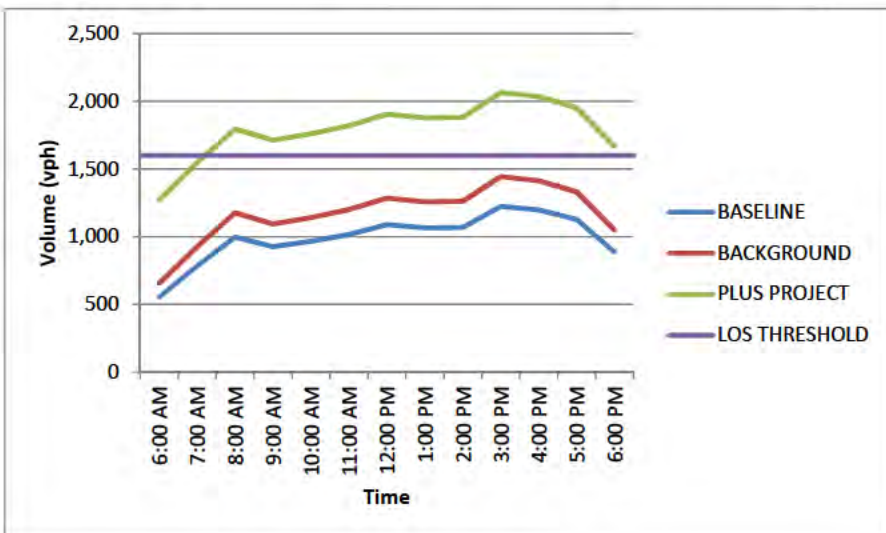
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



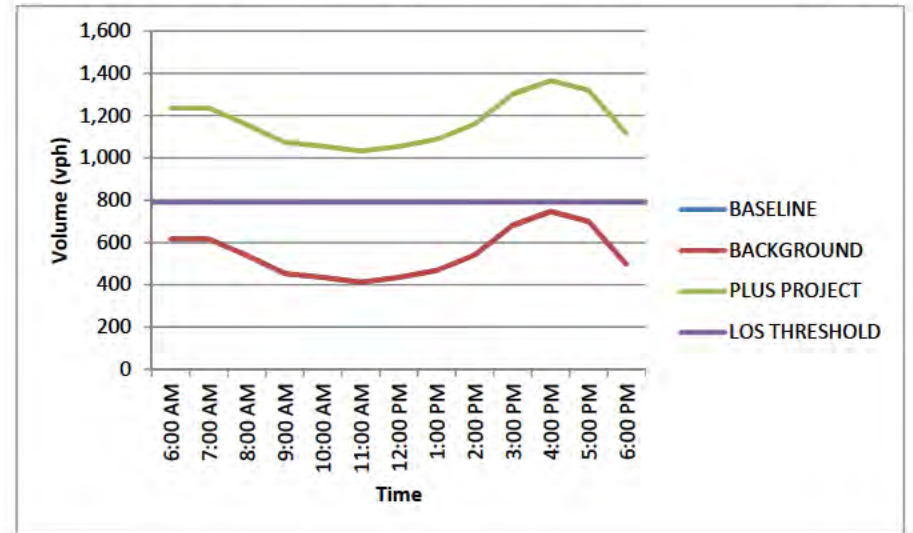
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

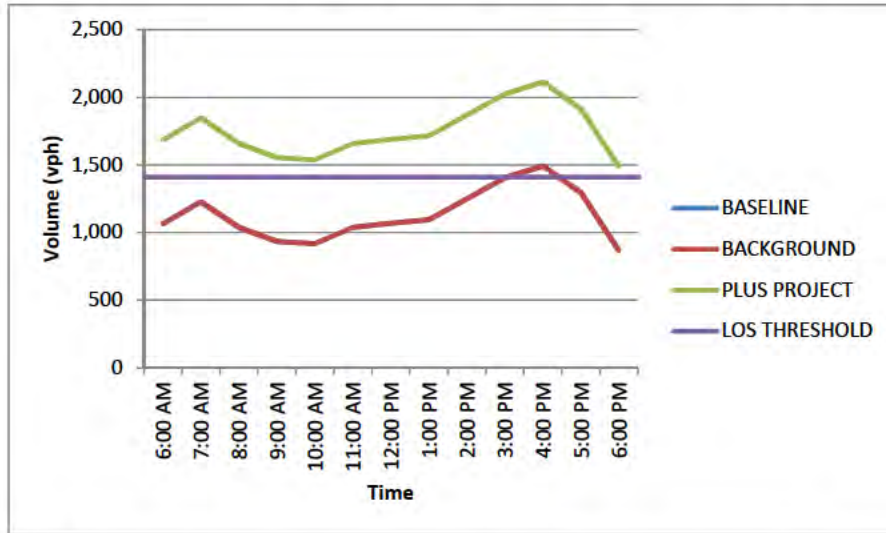


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

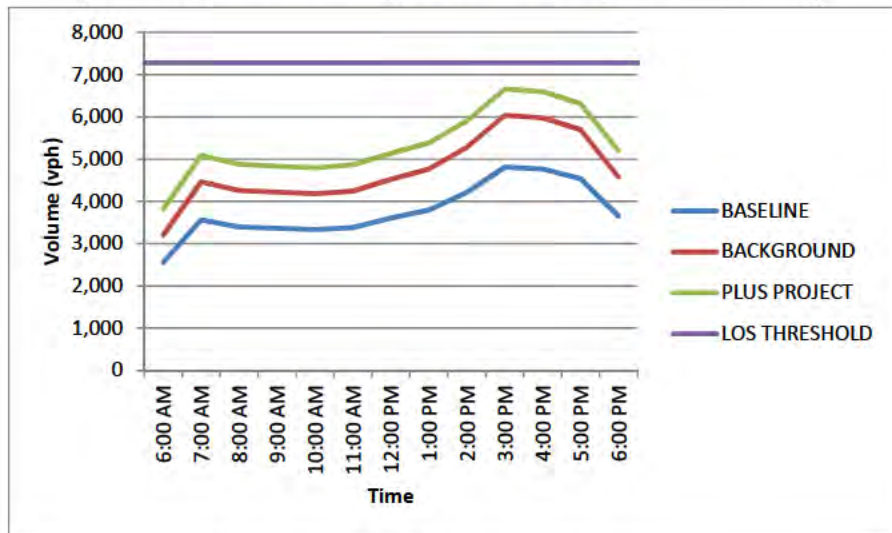


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

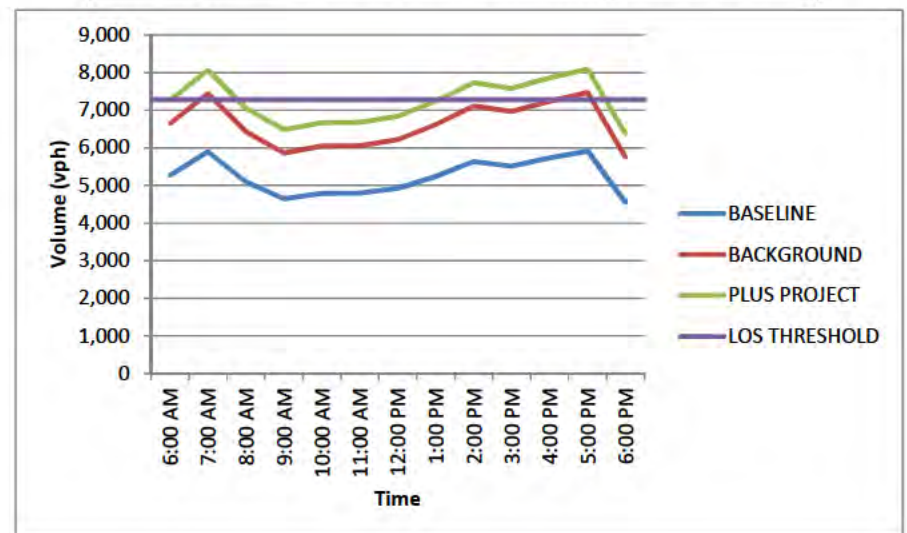
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

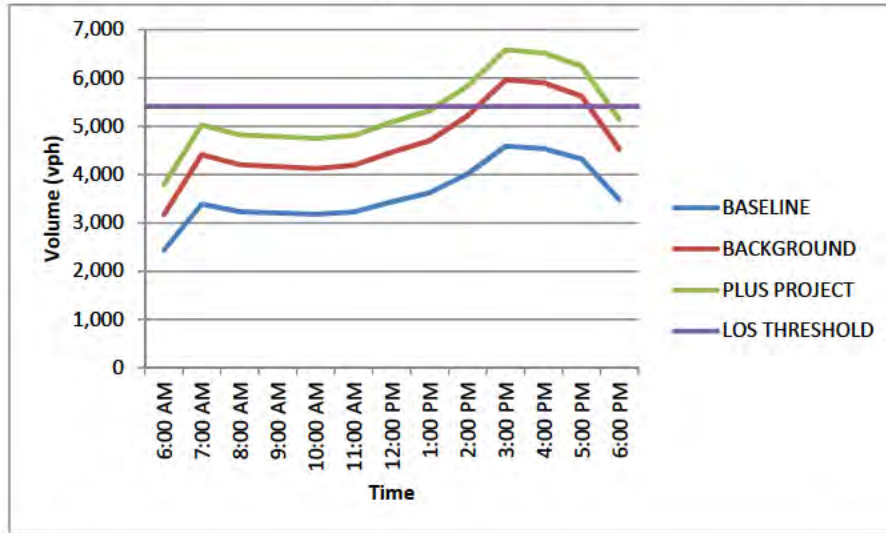


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

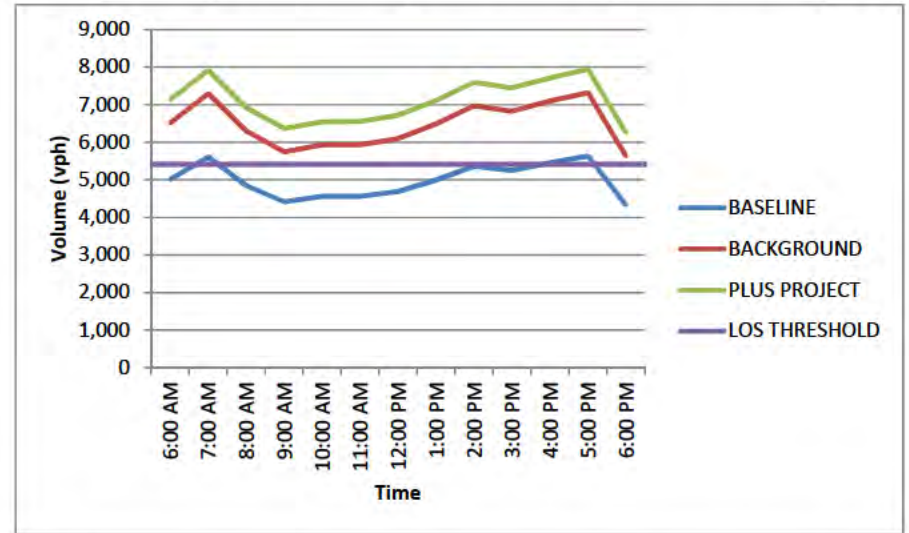


Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Caltrans

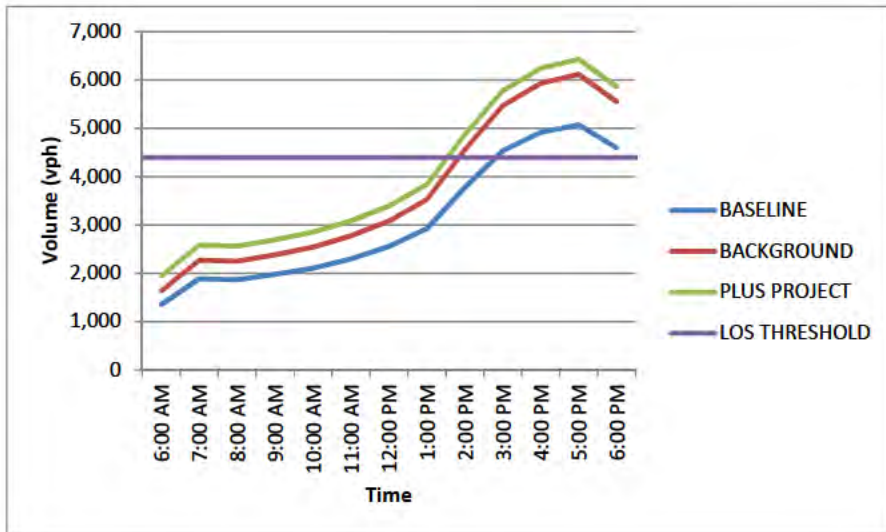
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



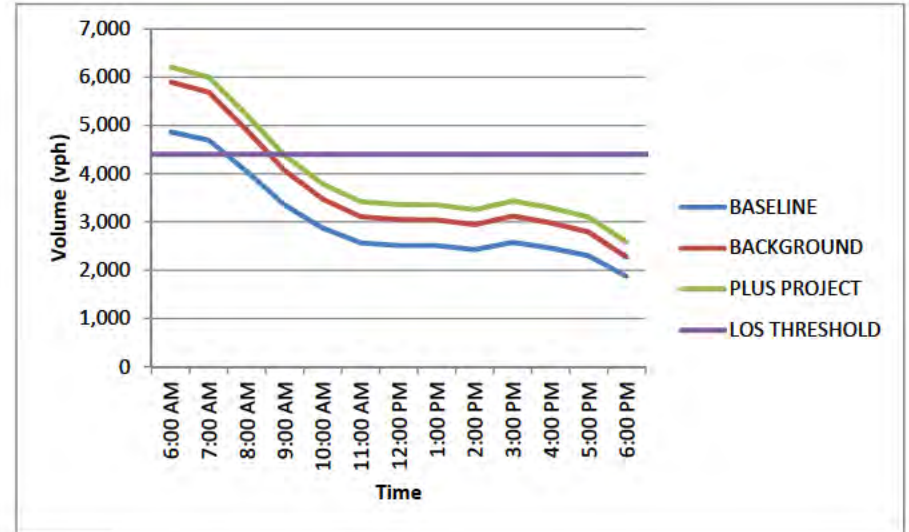
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

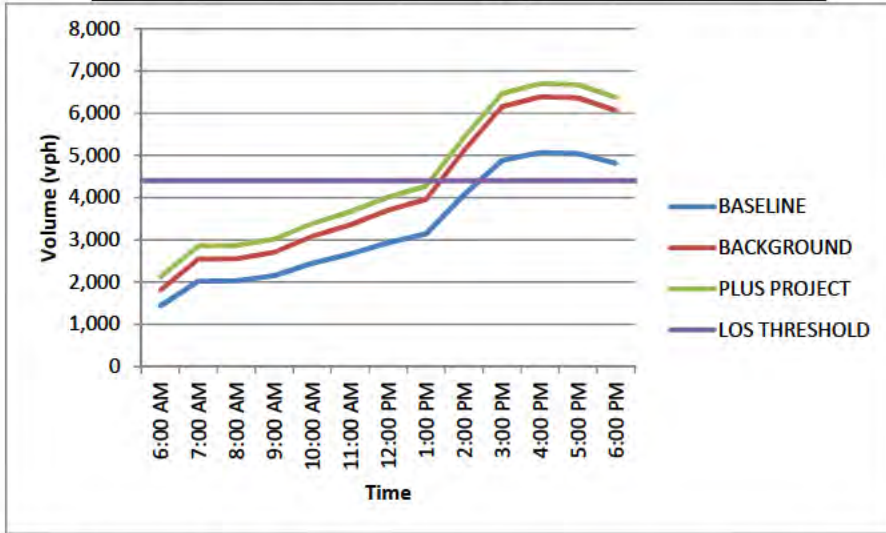


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

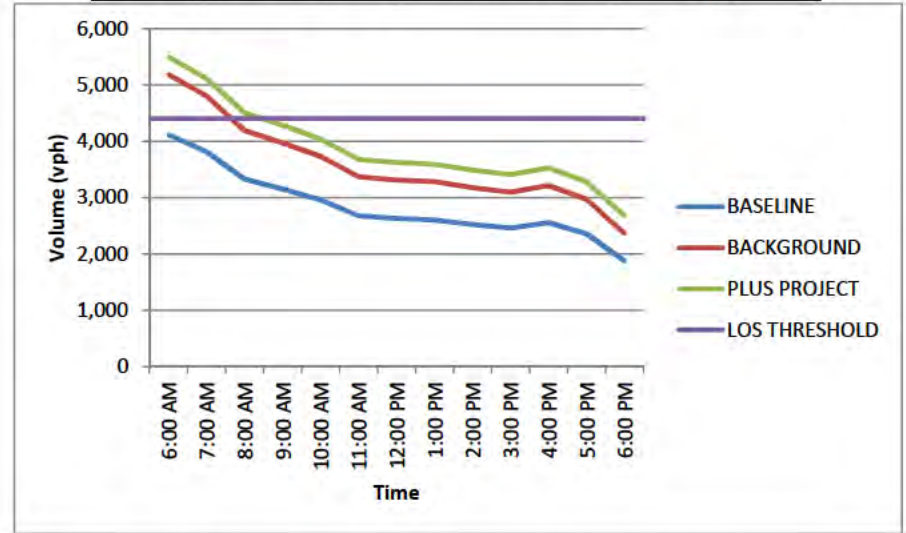


Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

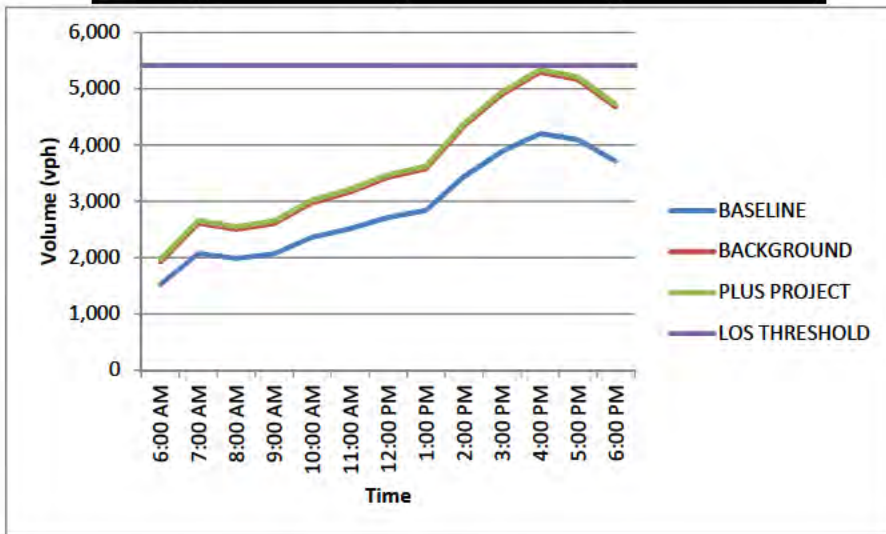
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



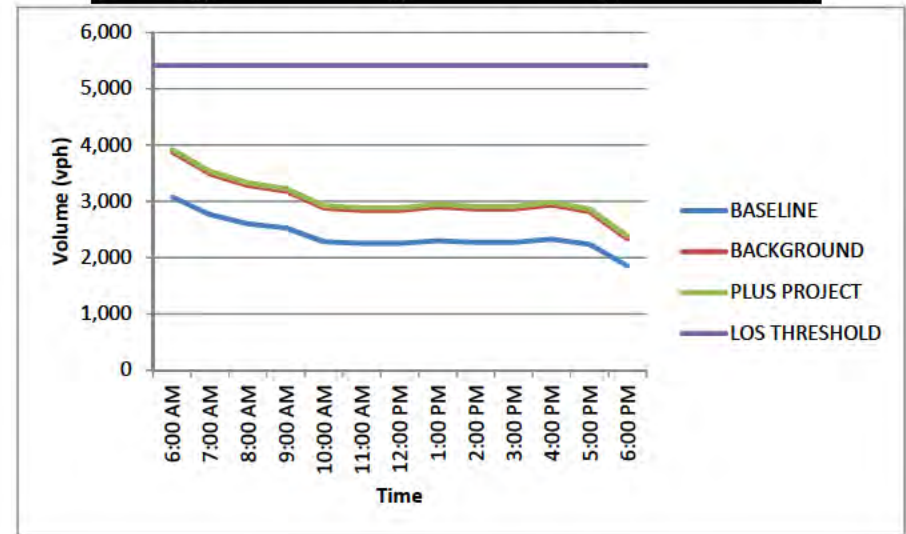
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



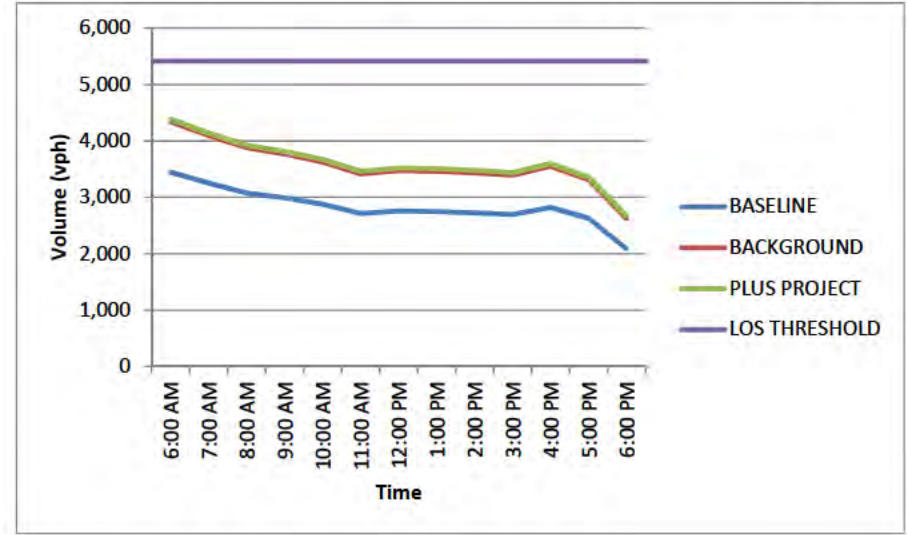
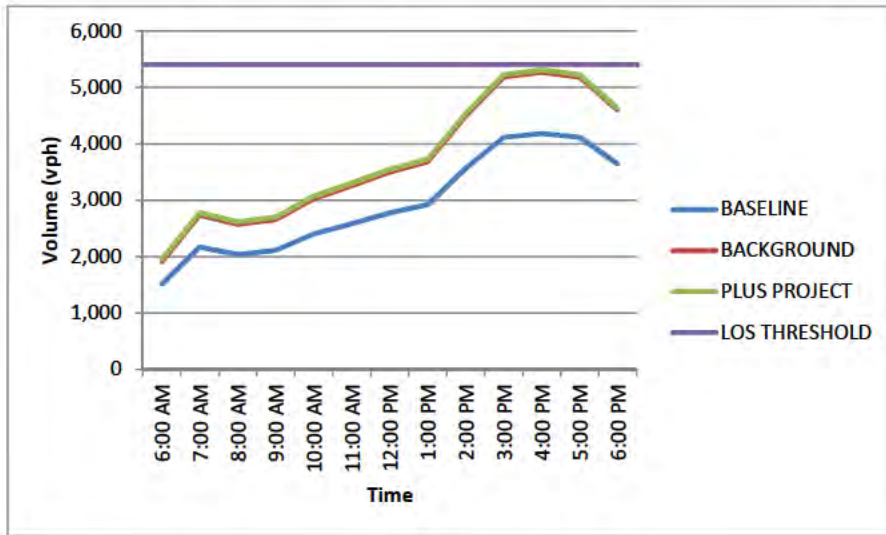
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

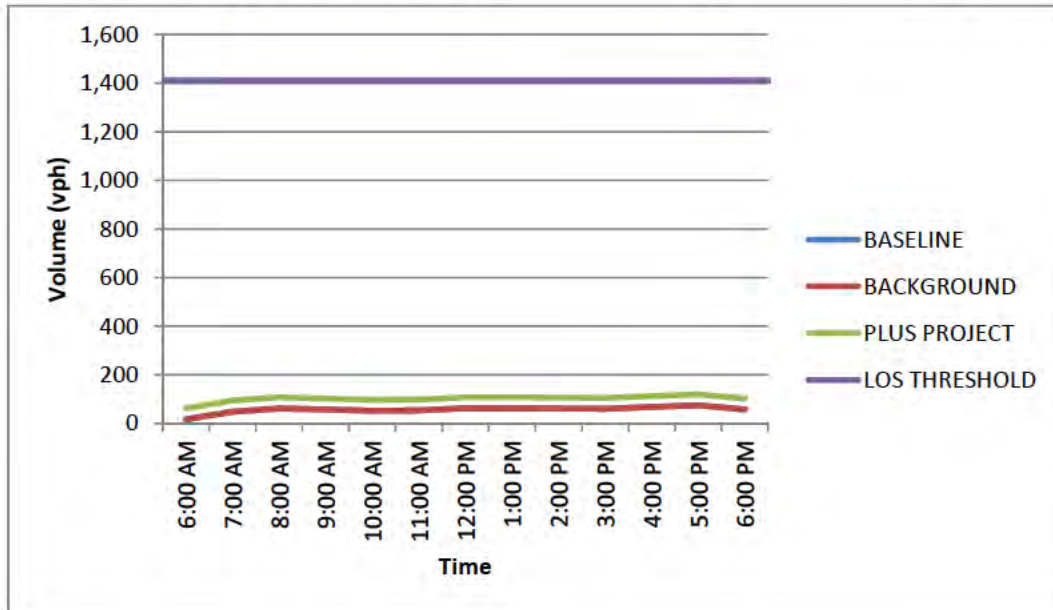
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Isleton

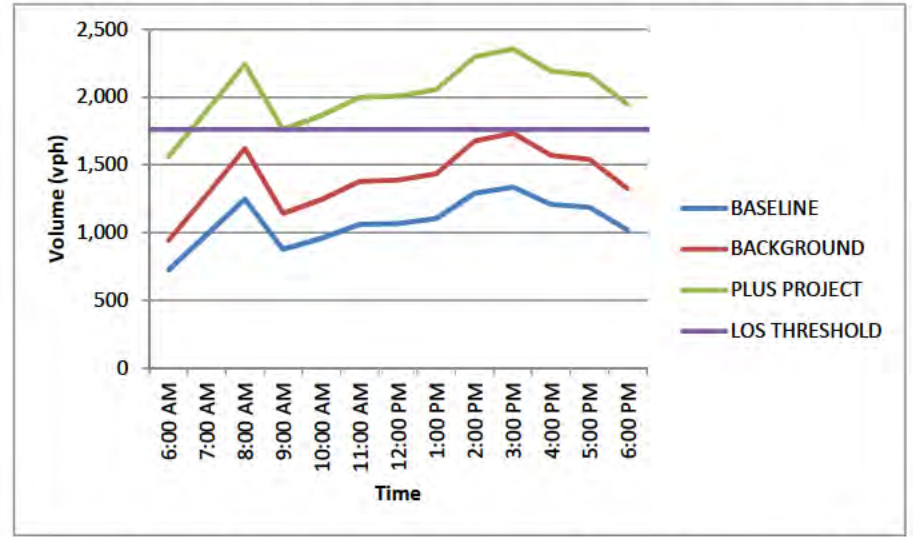
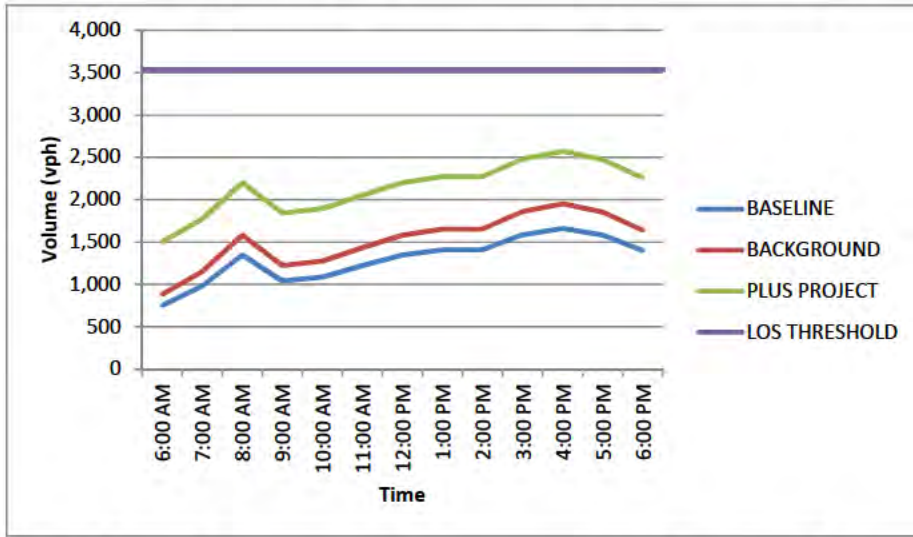
ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits



Modified Pipeline/Tunnel Alternative 4 and 4A
Hourly Roadway Volumes and LOS Threshold - Oakley

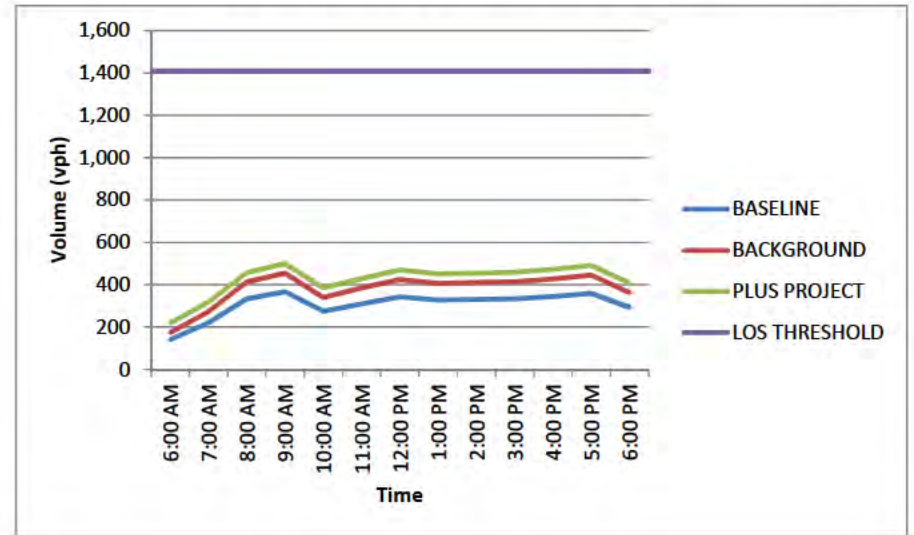
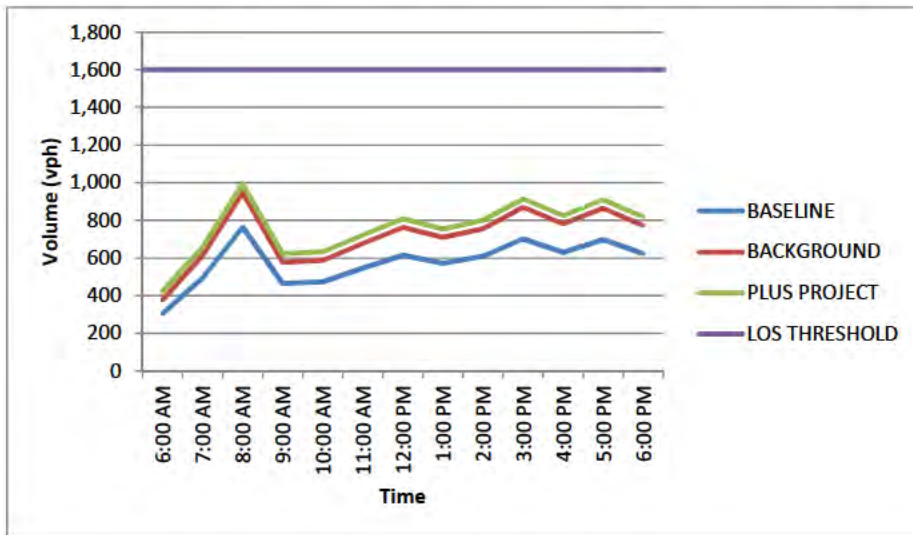
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd

ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



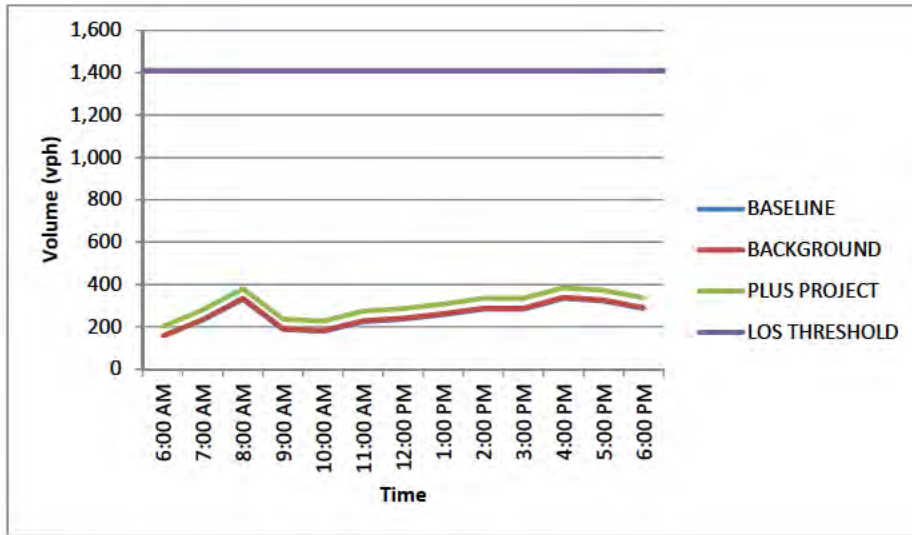
ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Oakley

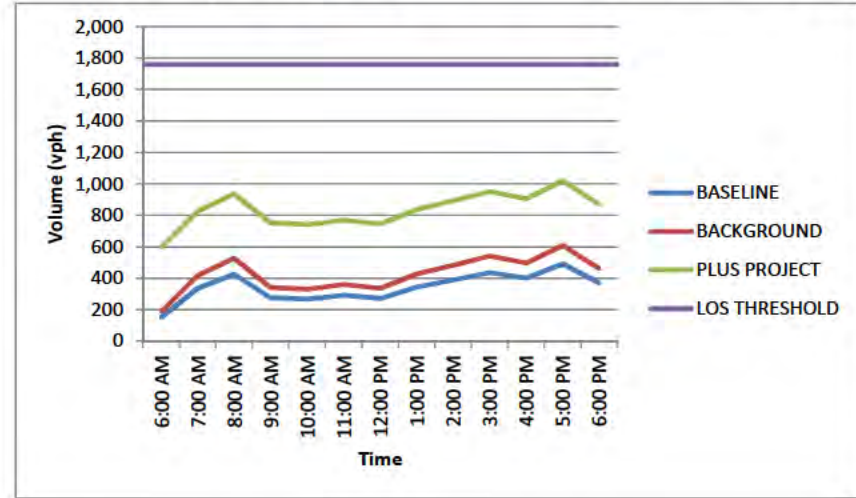
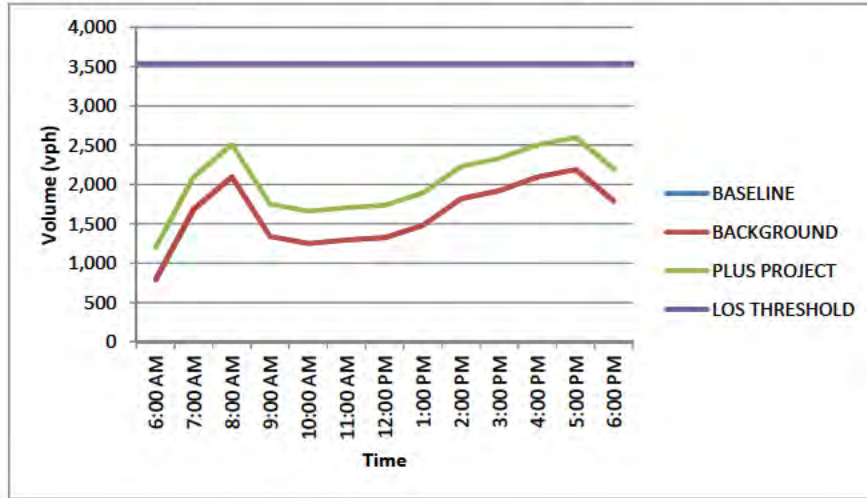
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - City of Sacramento

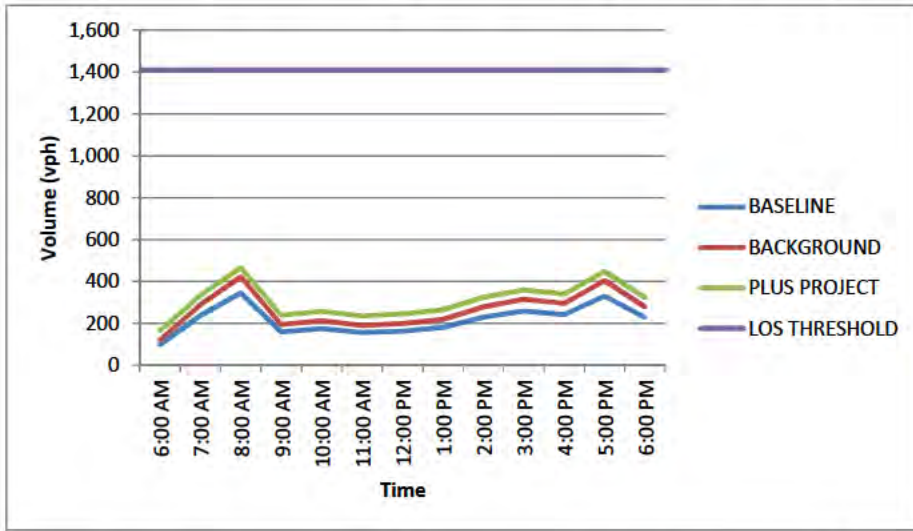
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

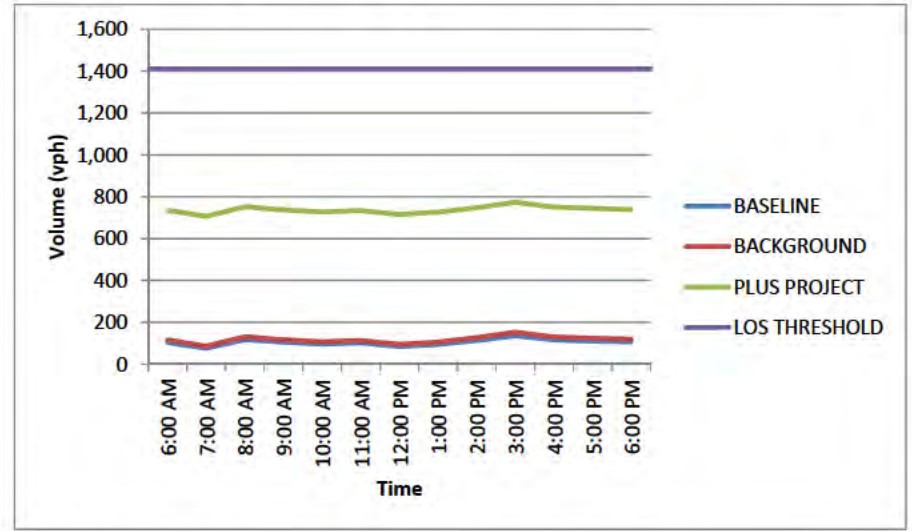


Modified Pipeline / Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

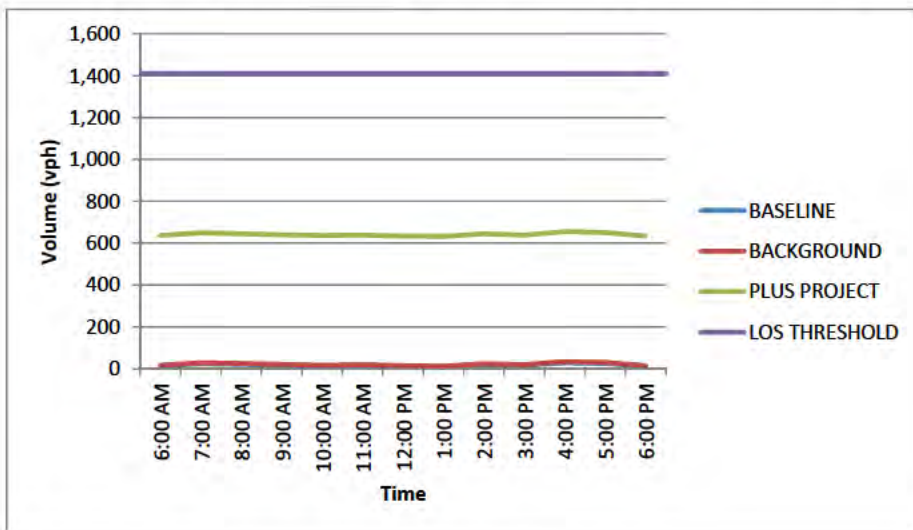
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



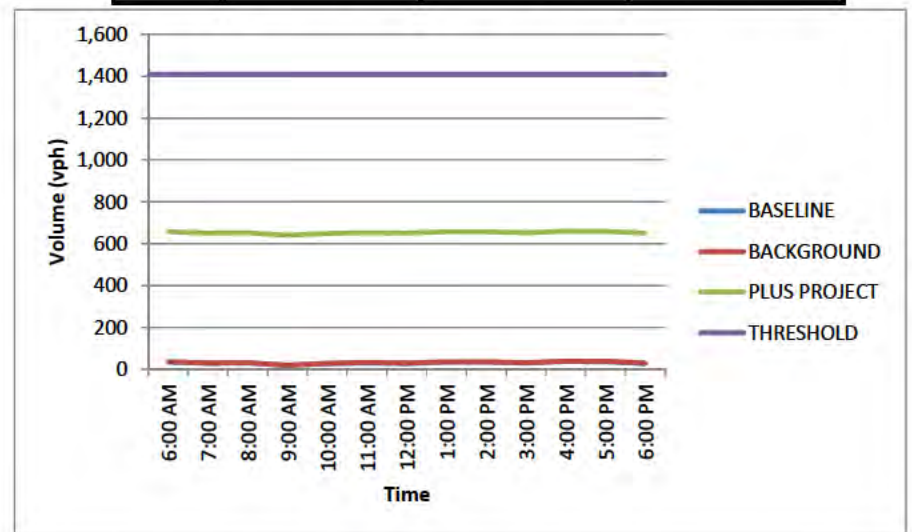
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd



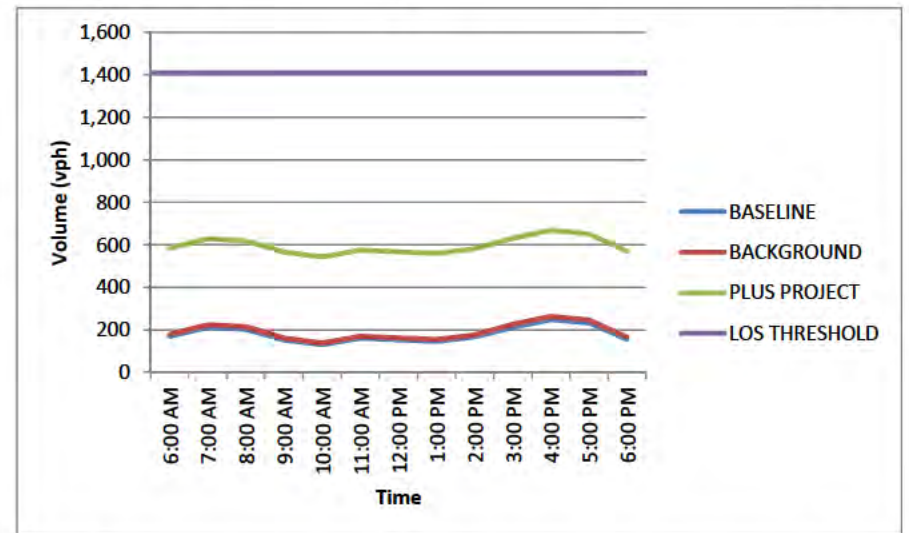
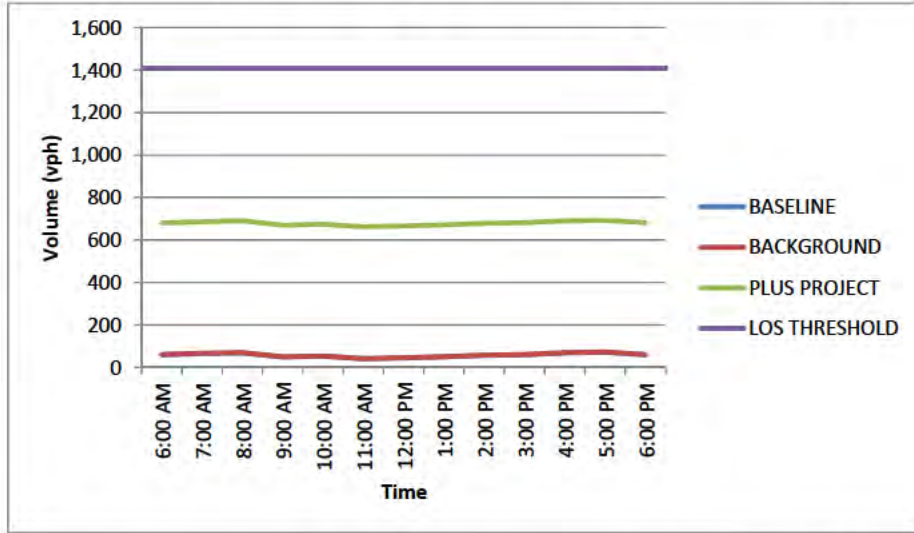
ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd



Modified Pipeline / Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

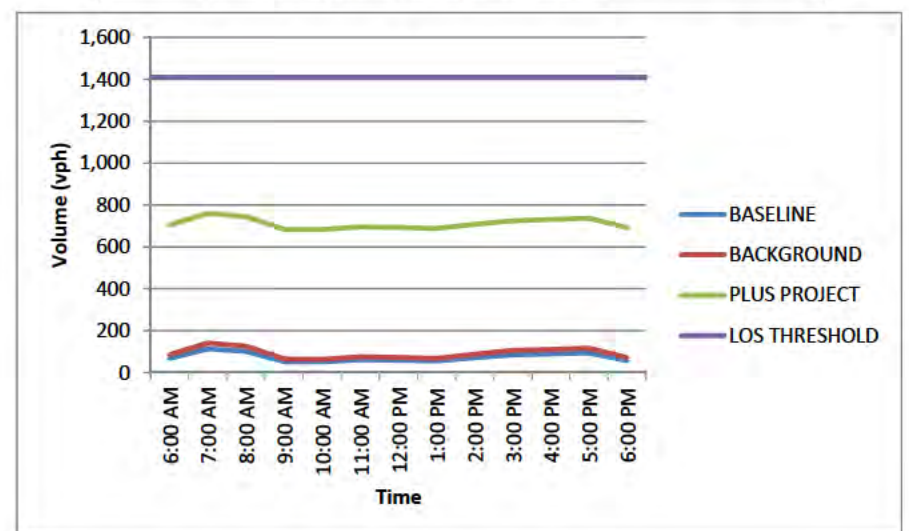
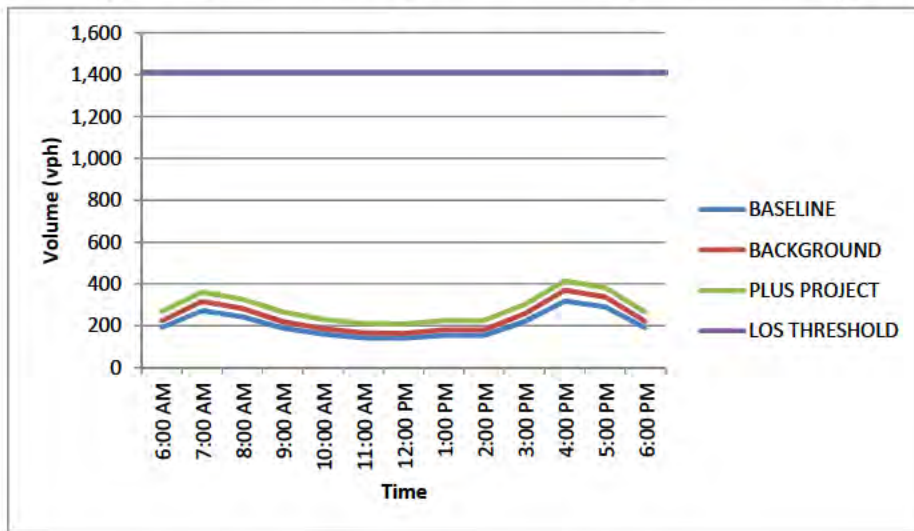
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd

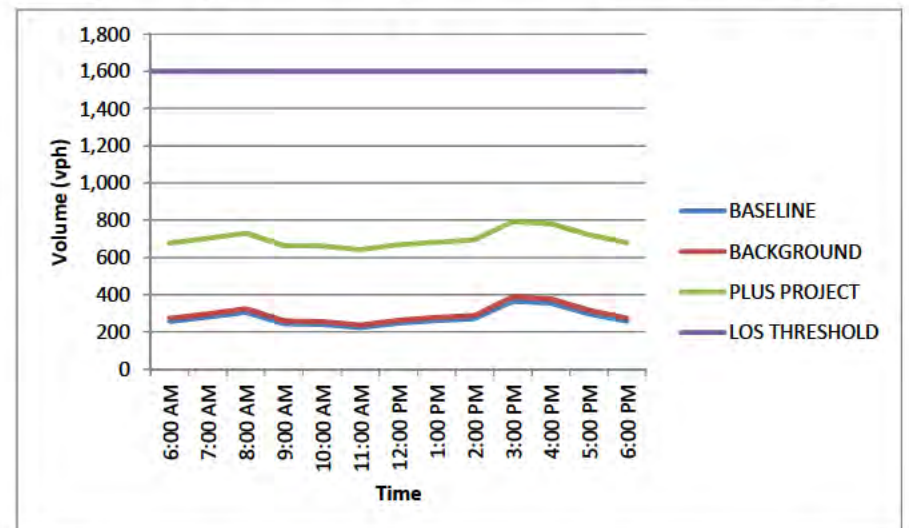
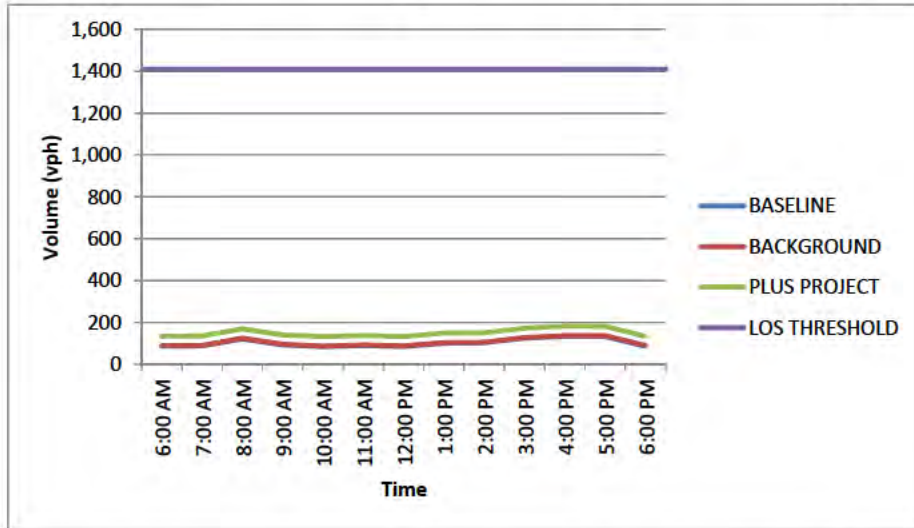
ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge



Modified Pipeline / Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

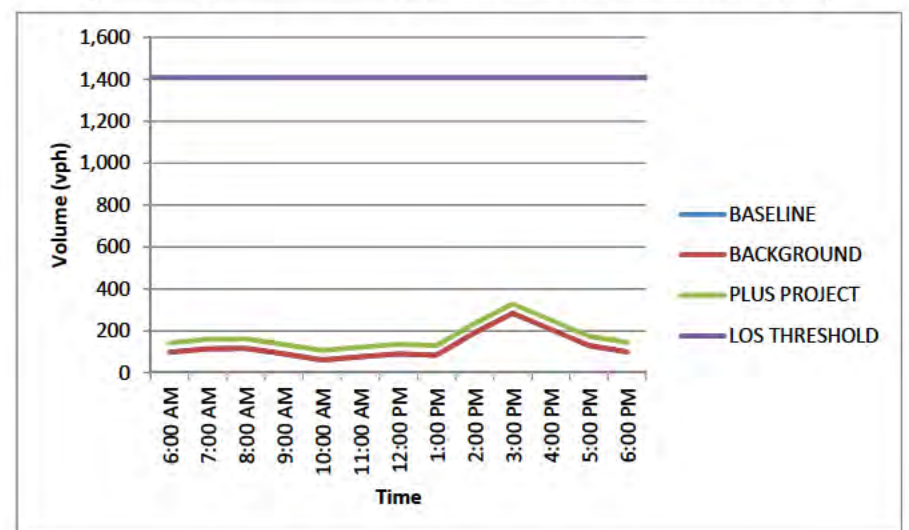
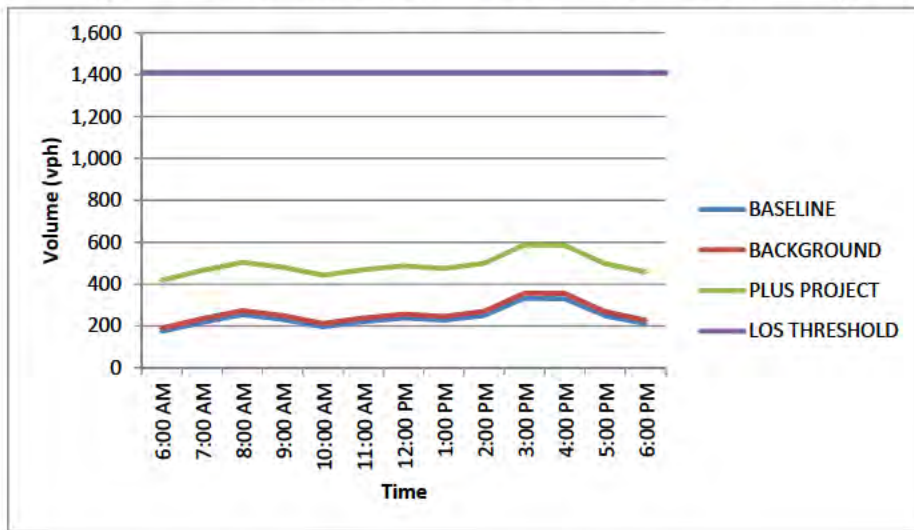
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

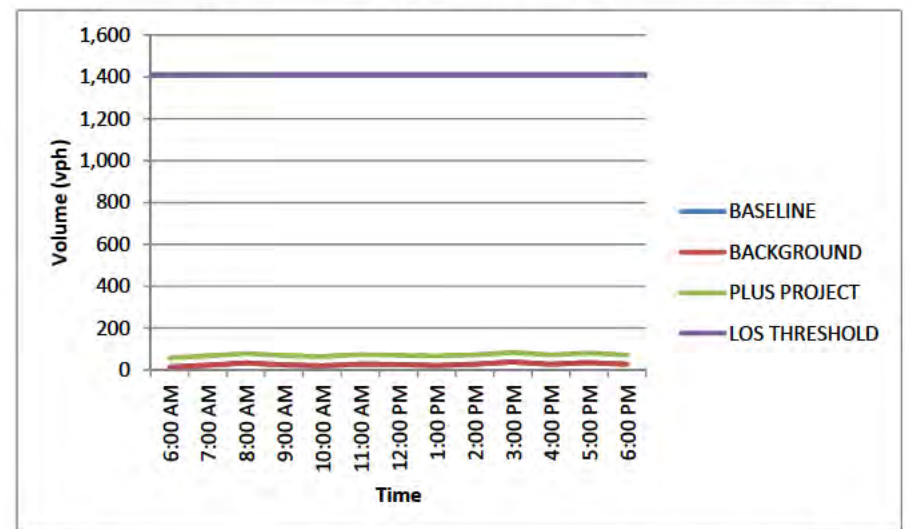
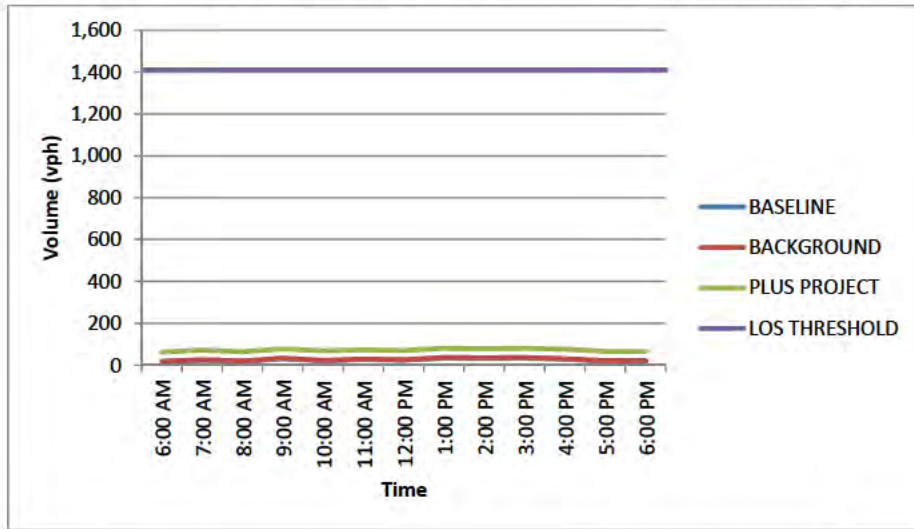
ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge



Modified Pipeline / Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

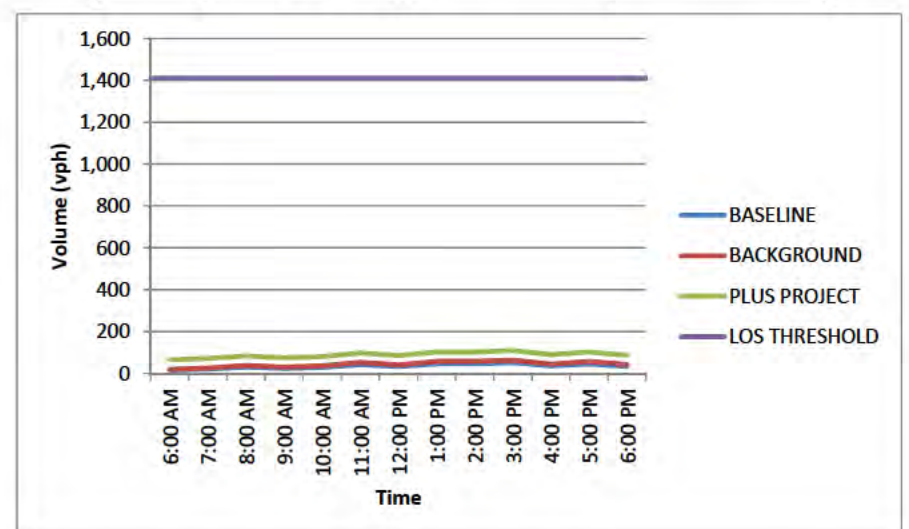
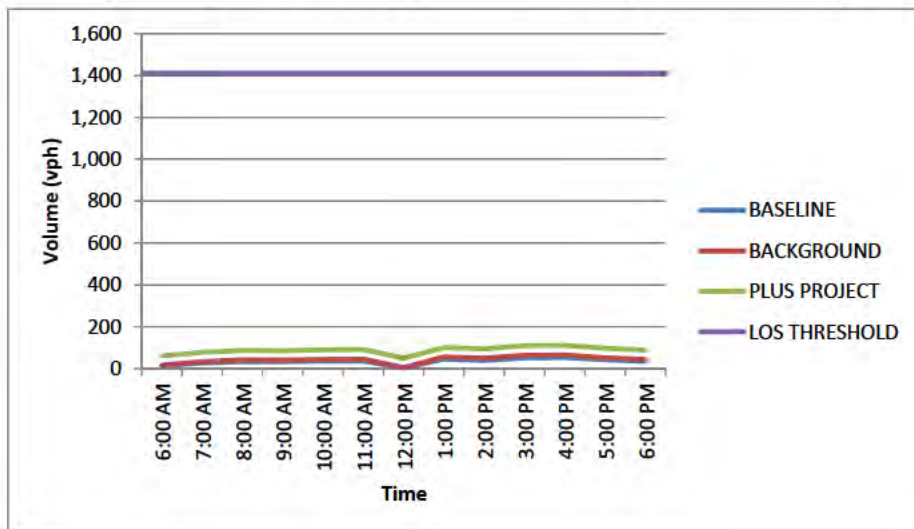
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island

ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



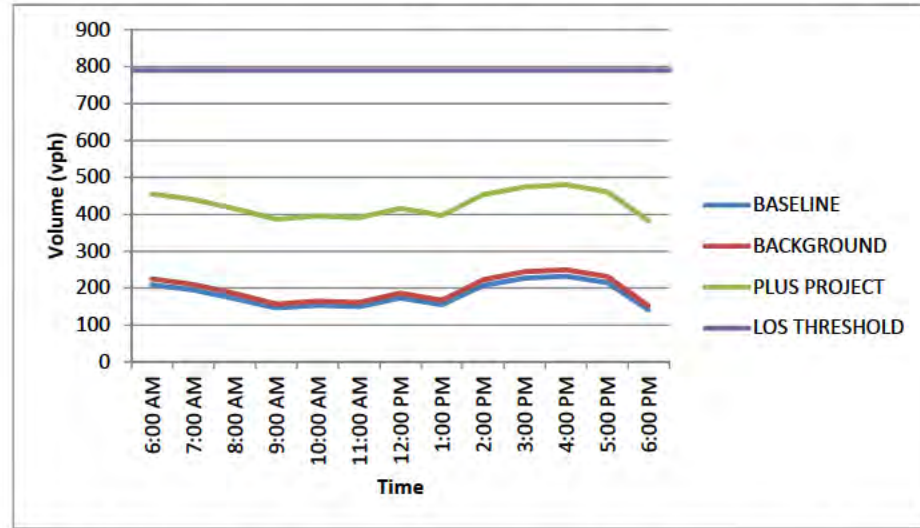
ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

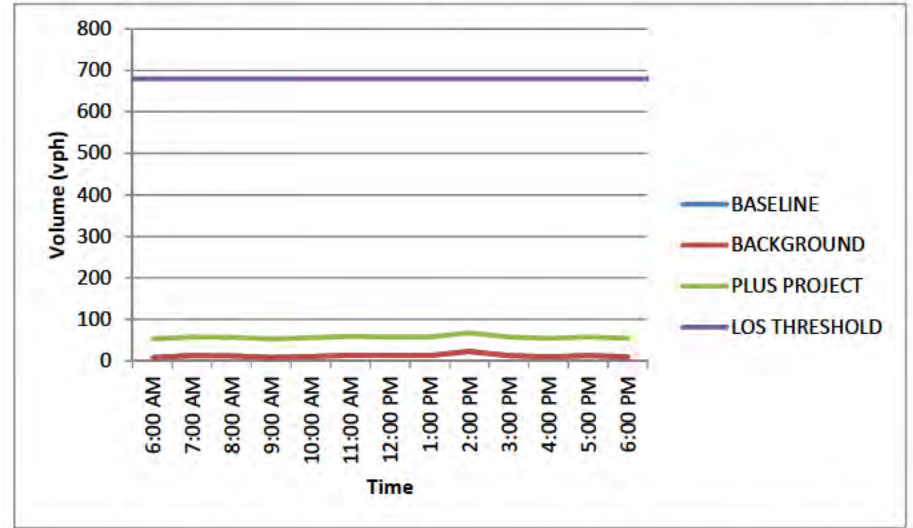


Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

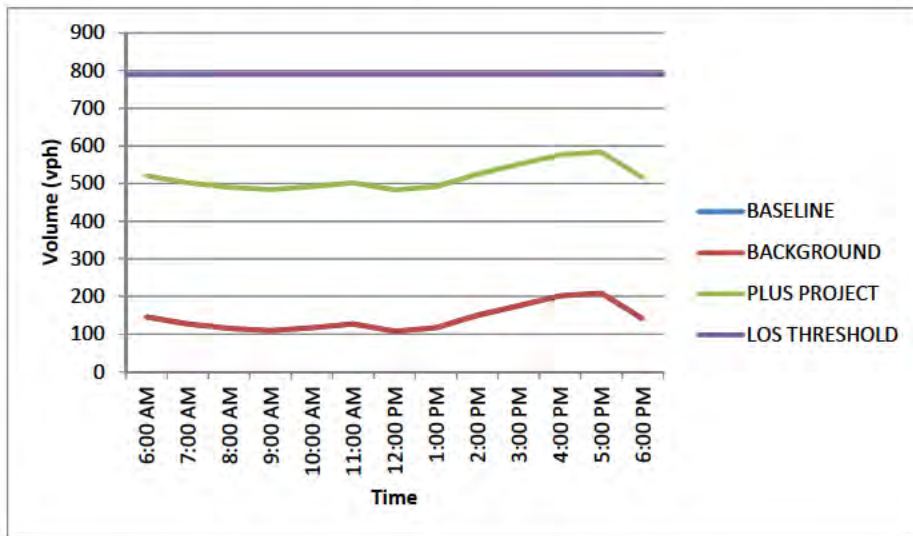
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



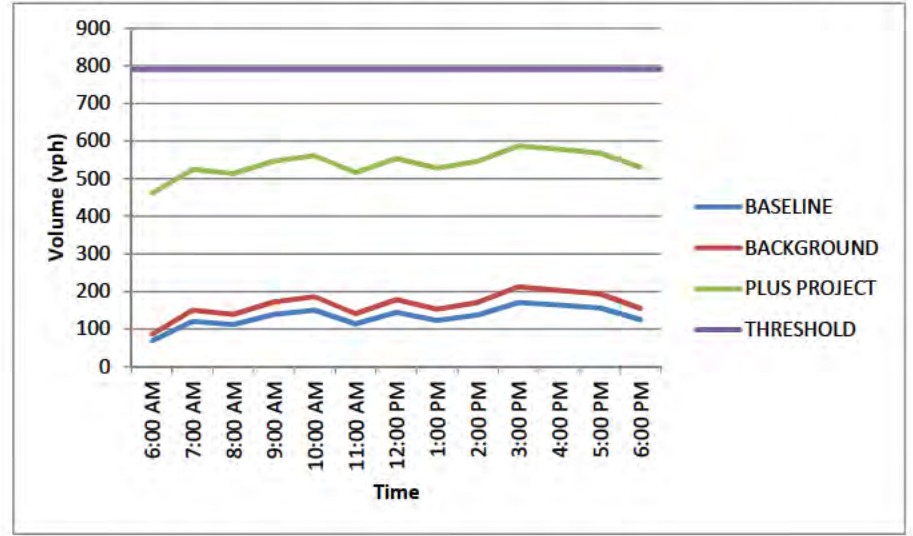
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

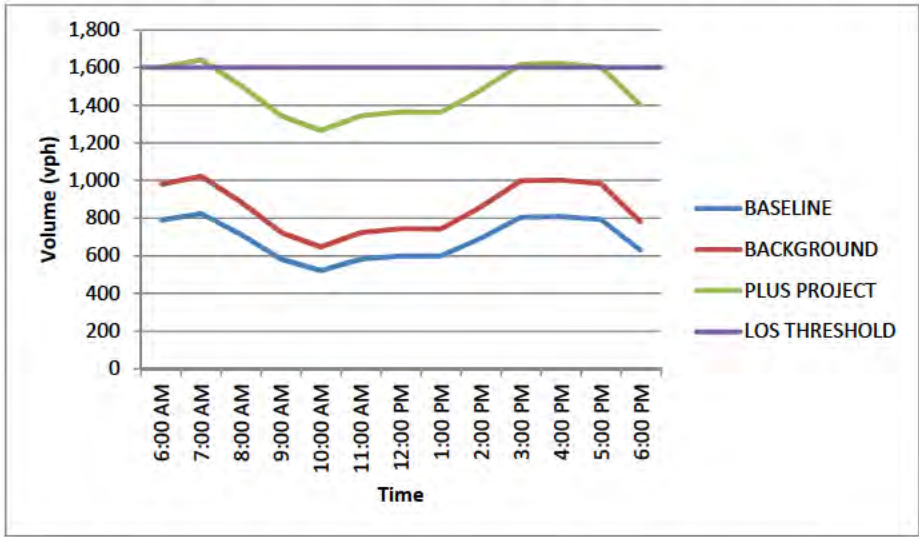


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

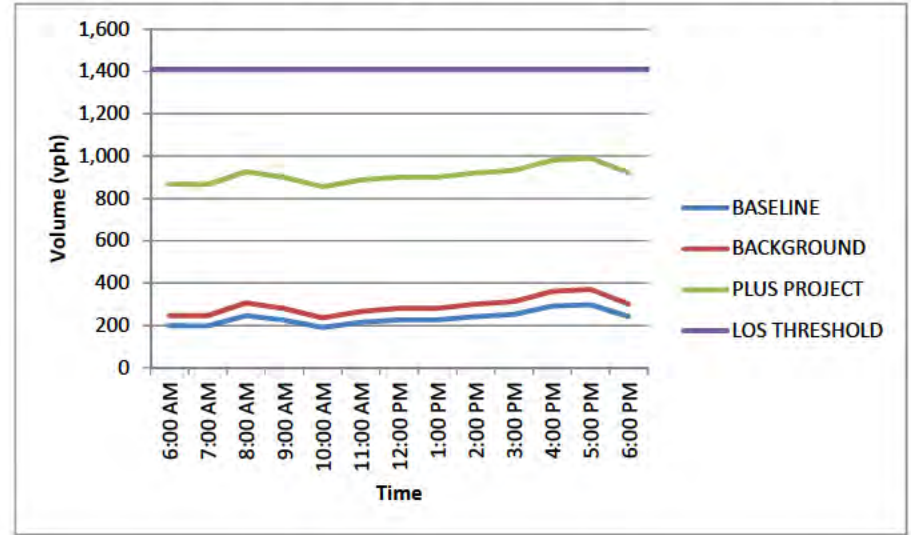


Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

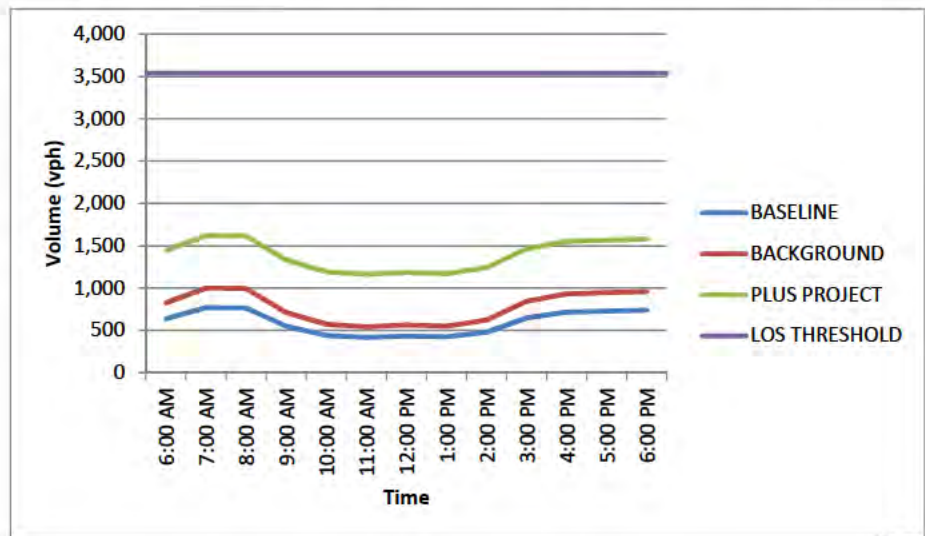
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

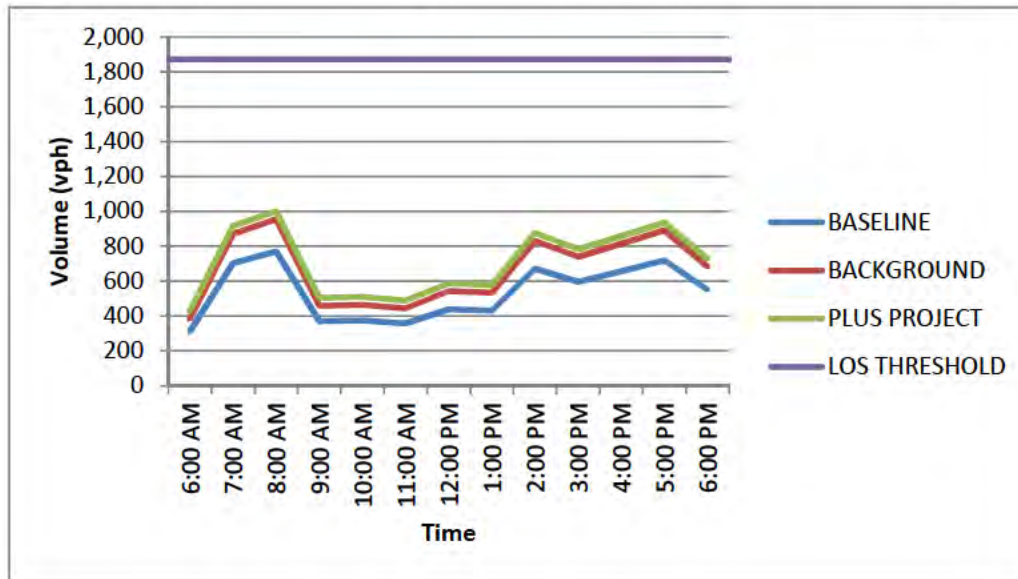


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



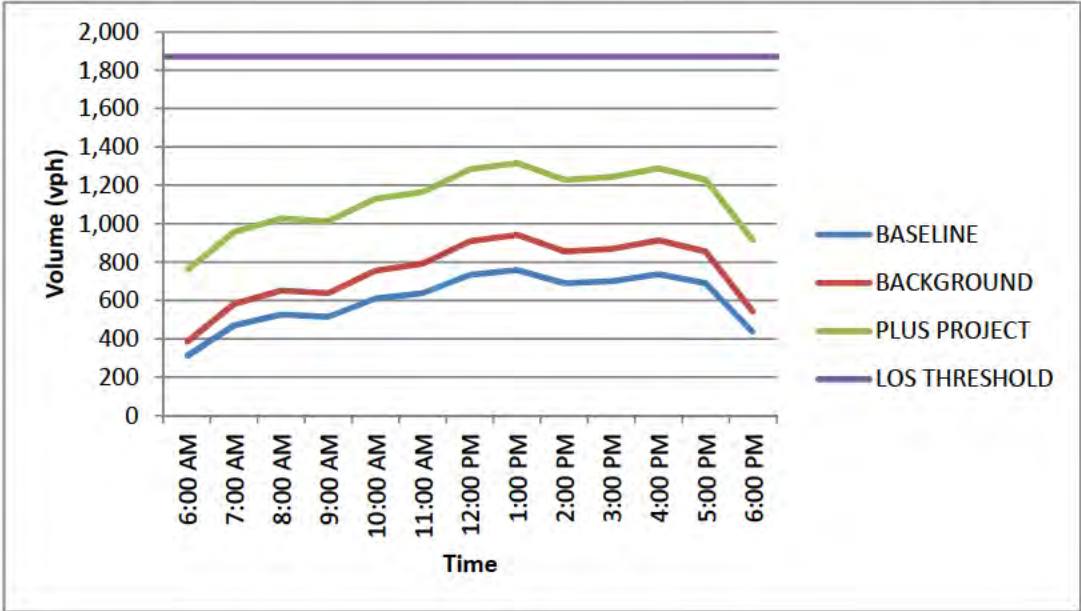
Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



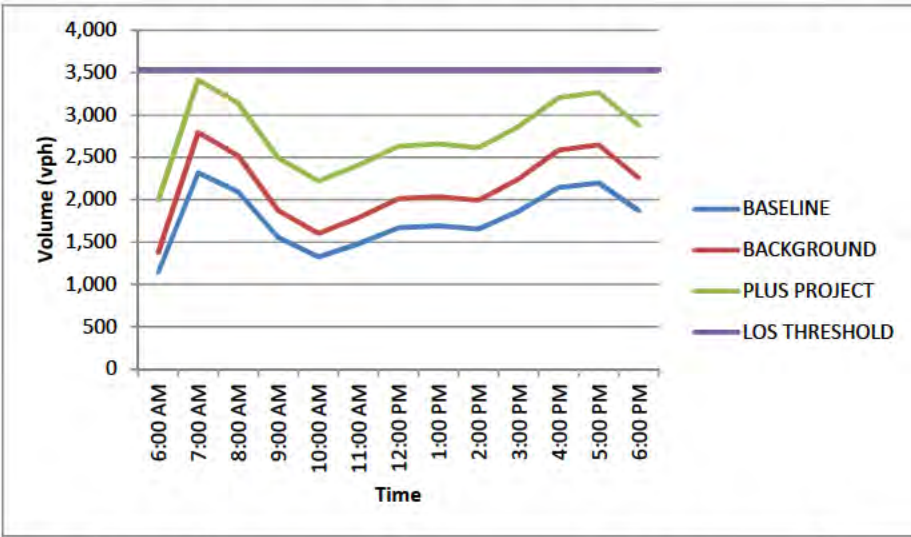
Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - City of Tracy

ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205

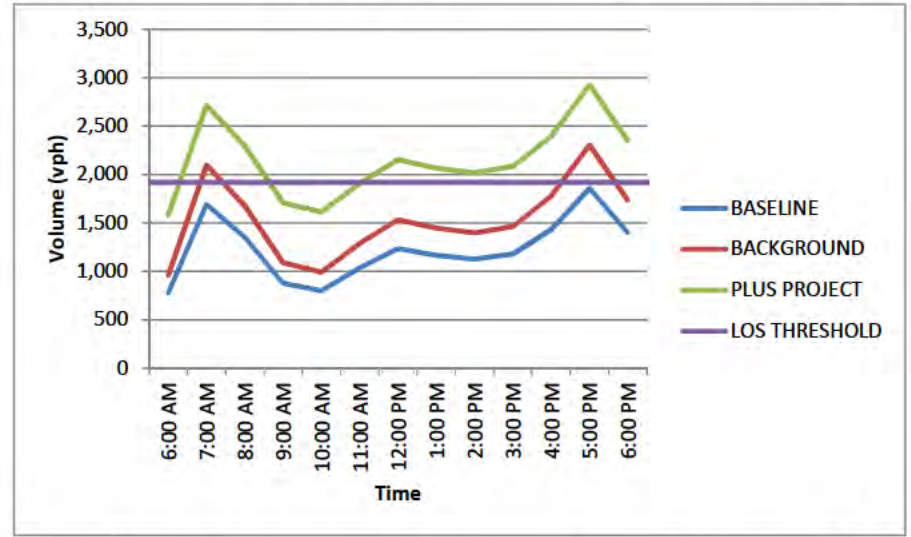


Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - West Sacramento

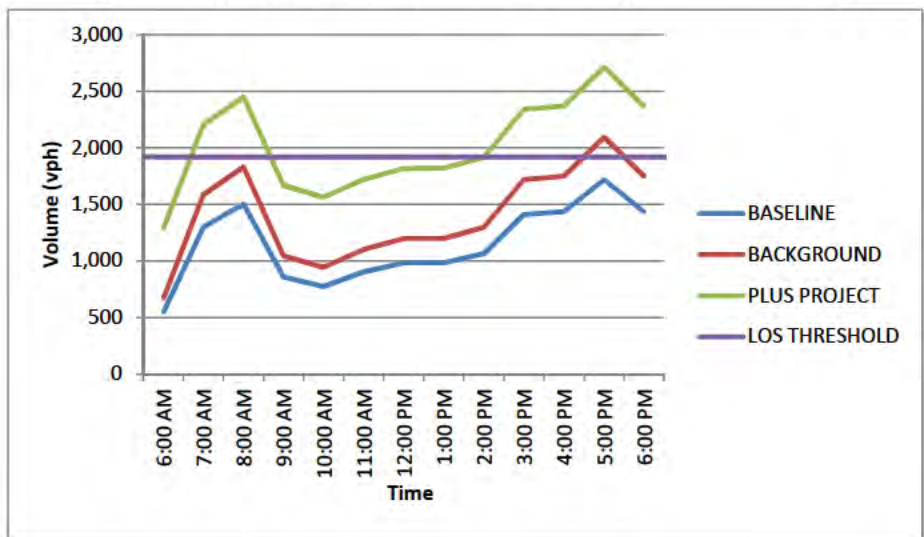
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50



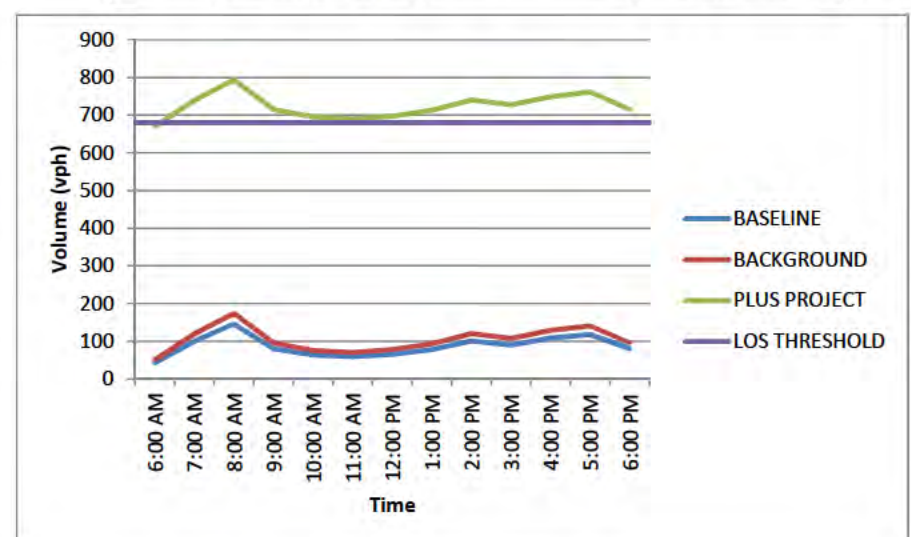
ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy



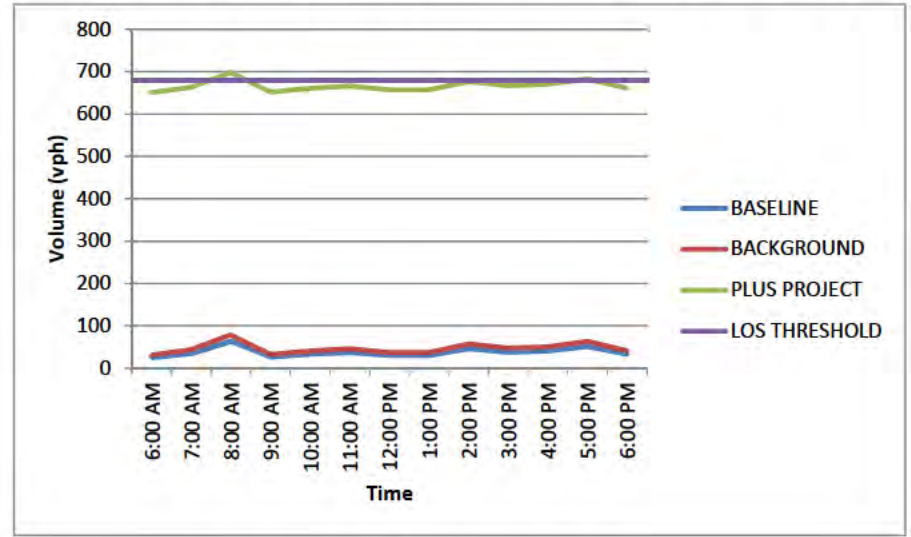
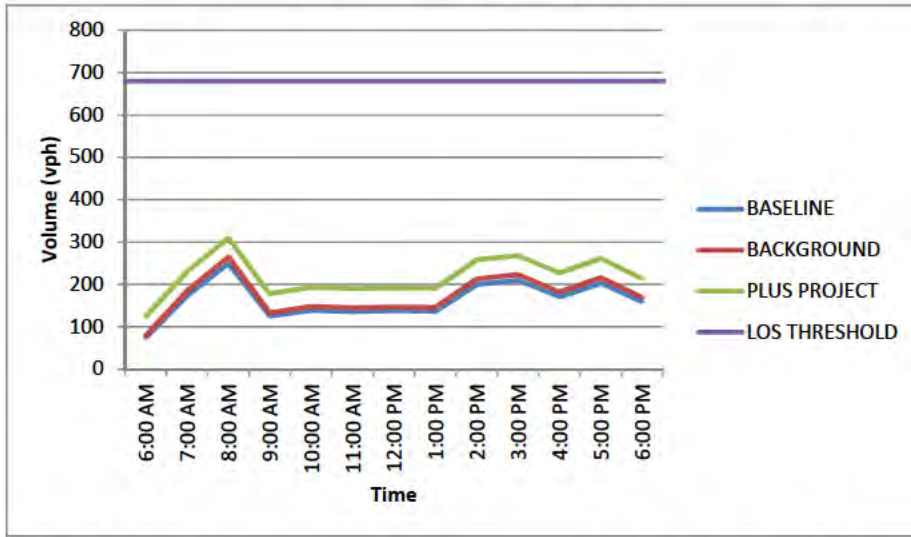
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



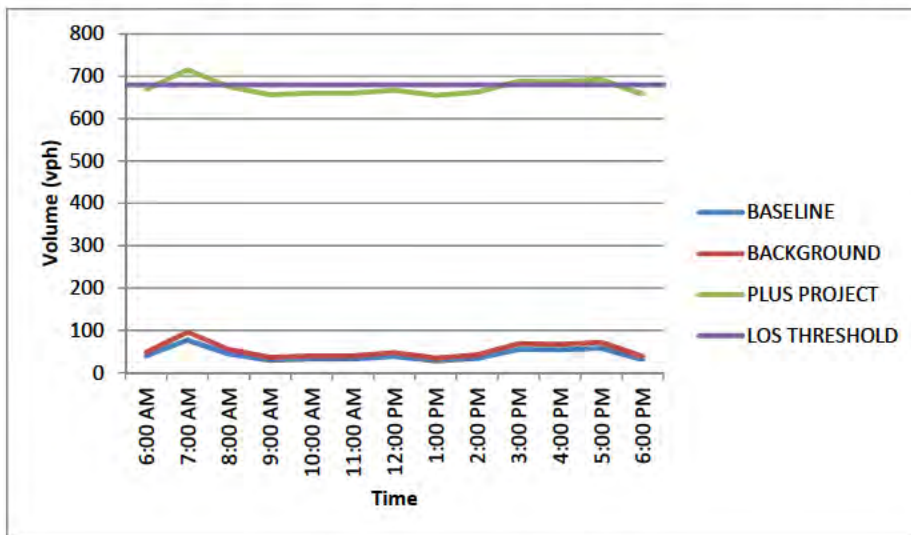
Modified Pipeline/Tunnel Alternative 4 and 4A
 Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd



1
2
3

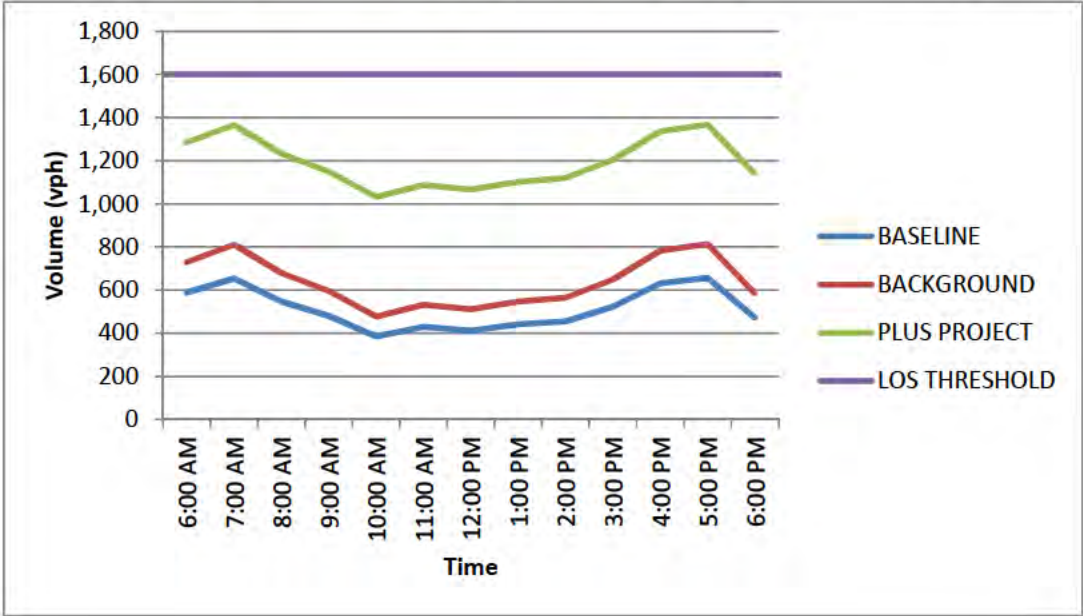
Modified Pipeline/Tunnel Alternative 5A Hourly Roadway Volumes and LOS Threshold Charts

4 Chart Notes:

- 5
- For roadway segments with no growth in background traffic, the “Background” traffic volume is equal to the “Baseline” traffic volume.
- 6
- For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic volume is equal to the “Baseline” and “Background” traffic volumes.
- 7
- 8

Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

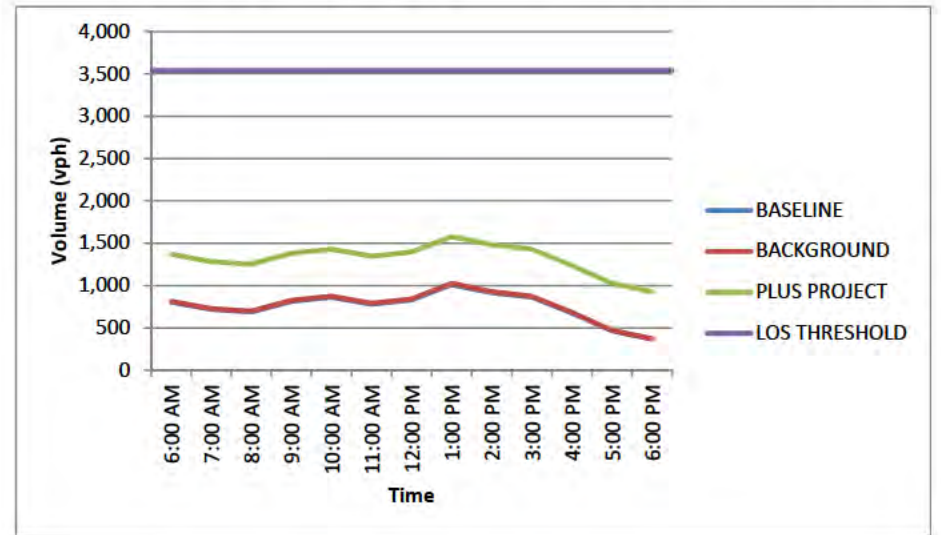
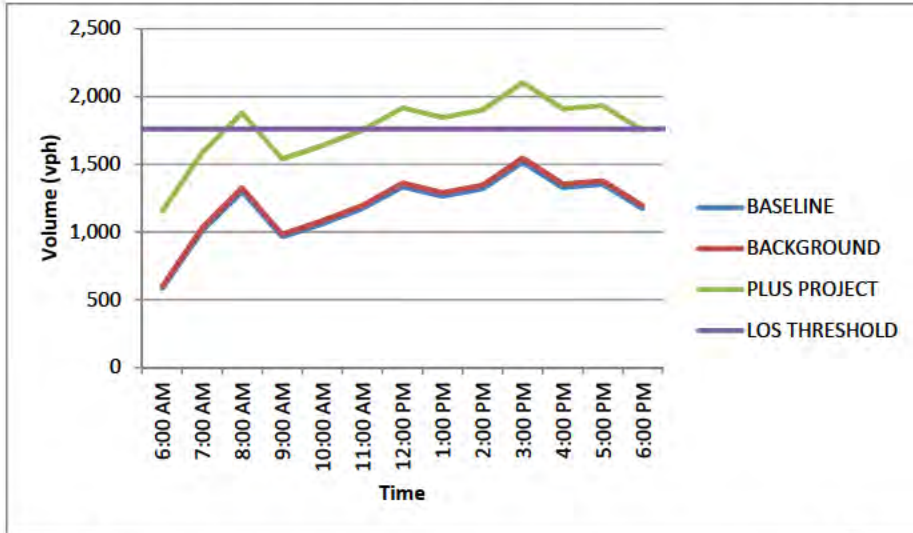
ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line



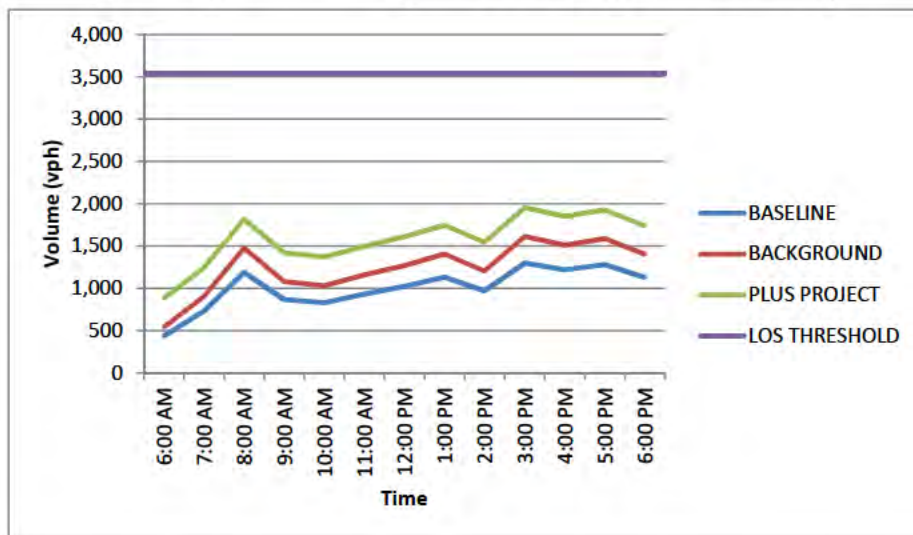
Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - City of Brentwood

ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd

ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)



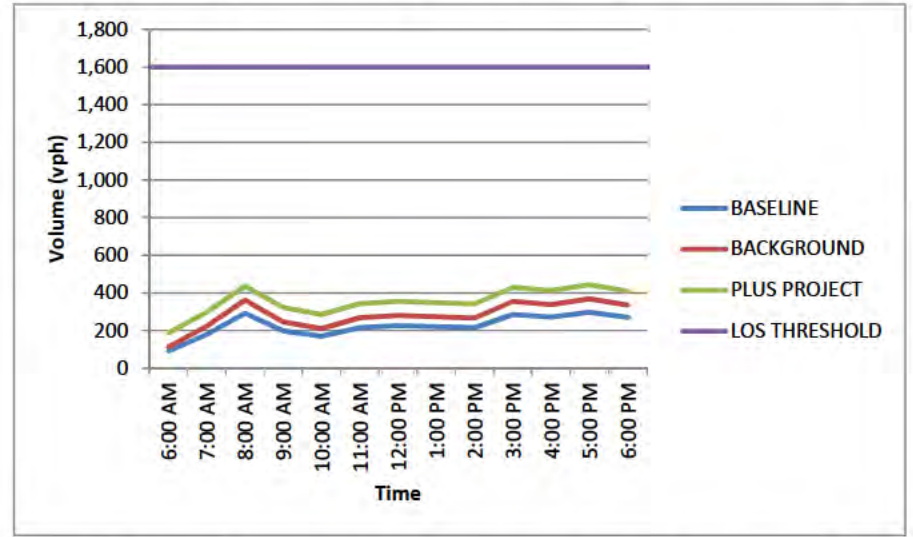
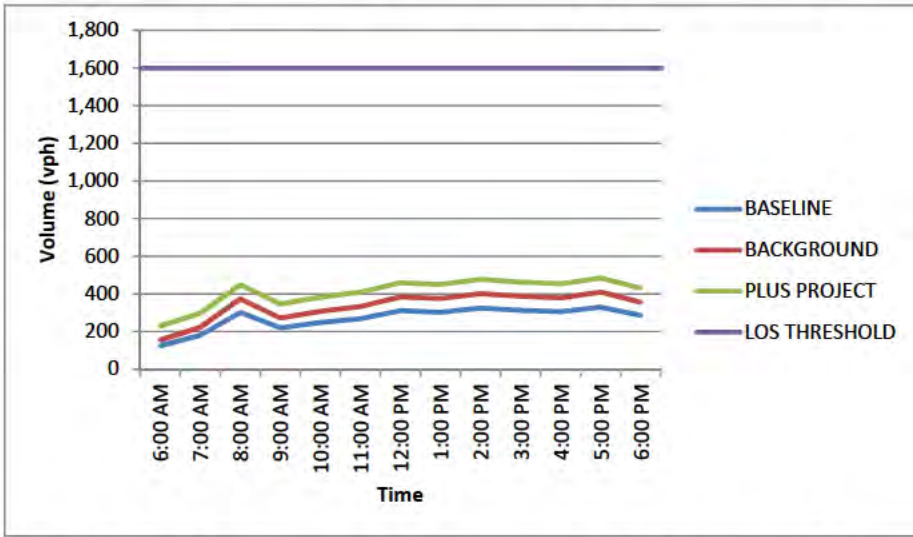
ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits



Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Contra Costa County

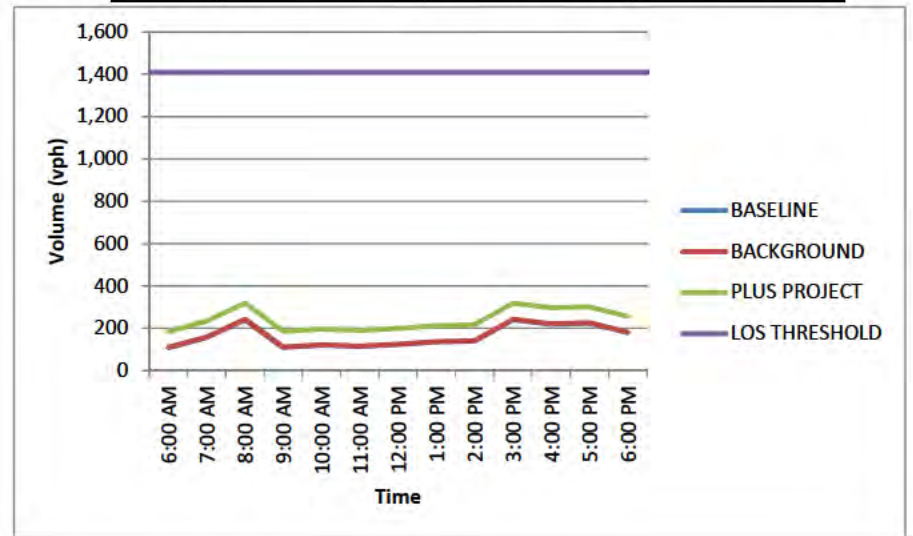
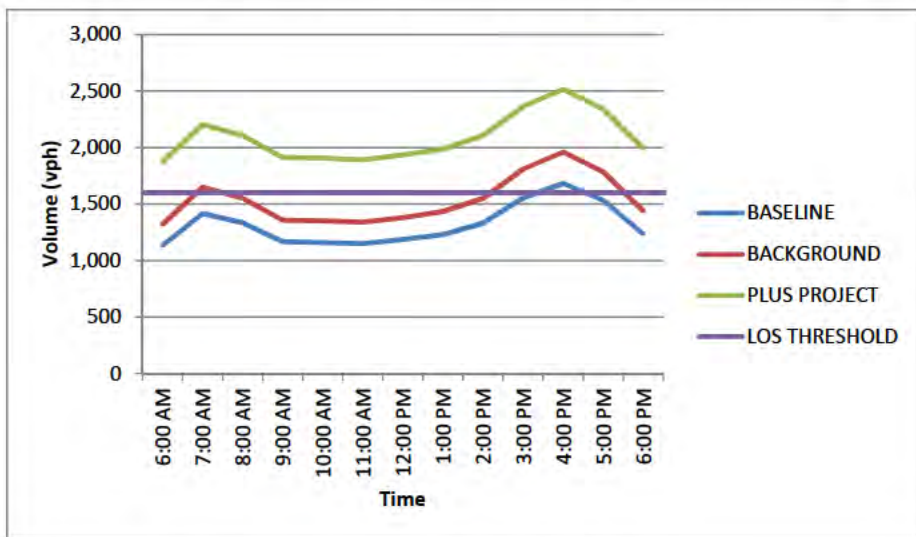
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End

ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



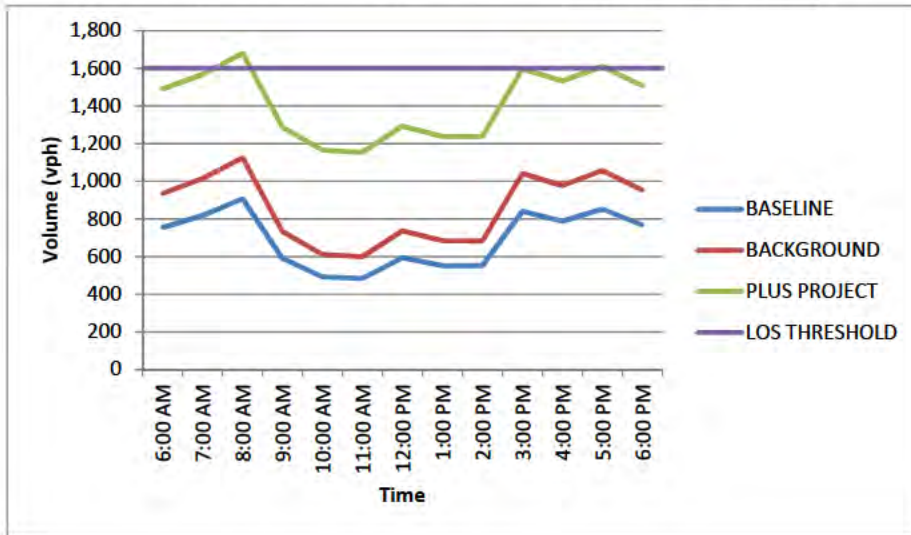
ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



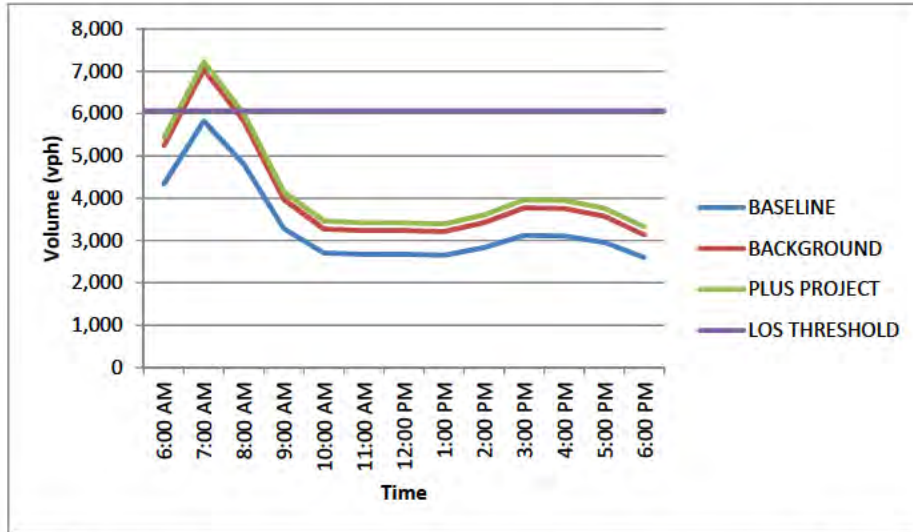
Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

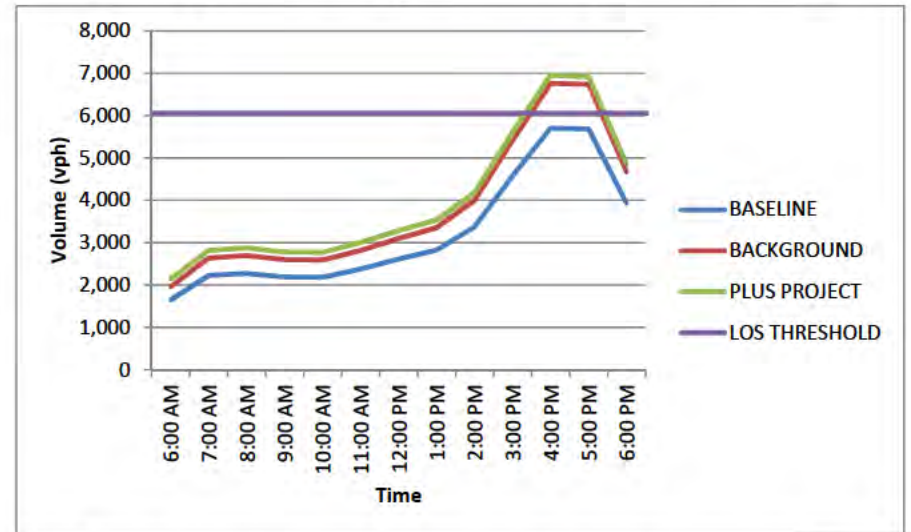


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

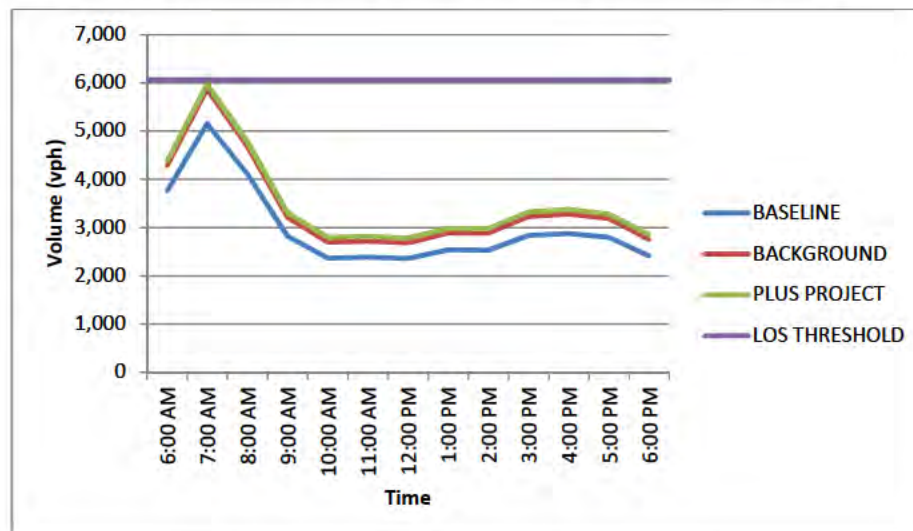
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



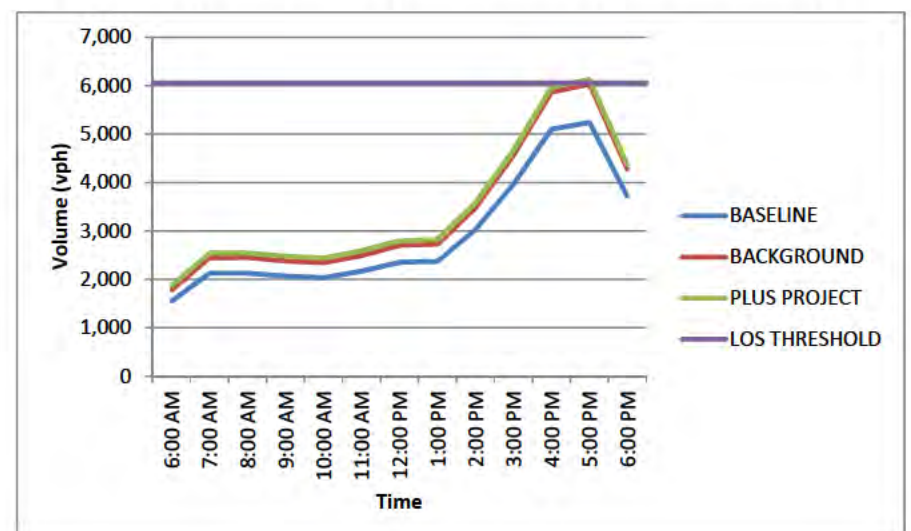
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

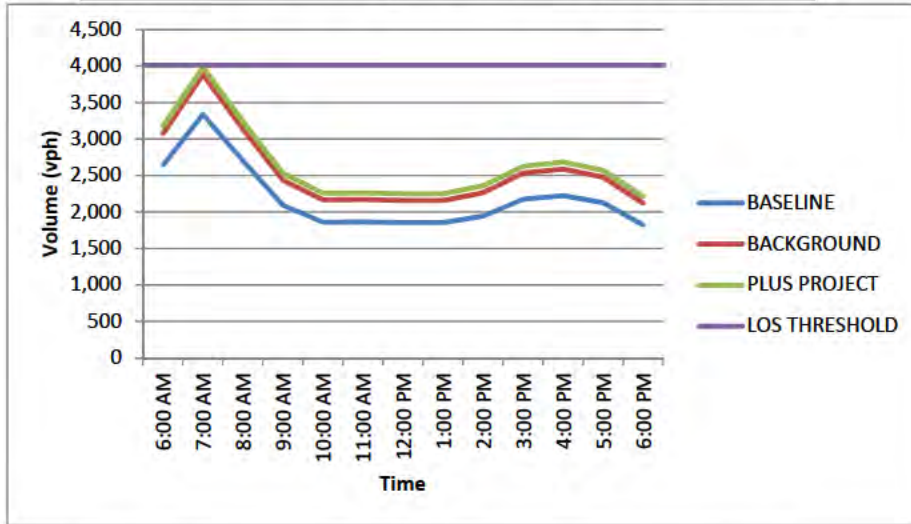


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

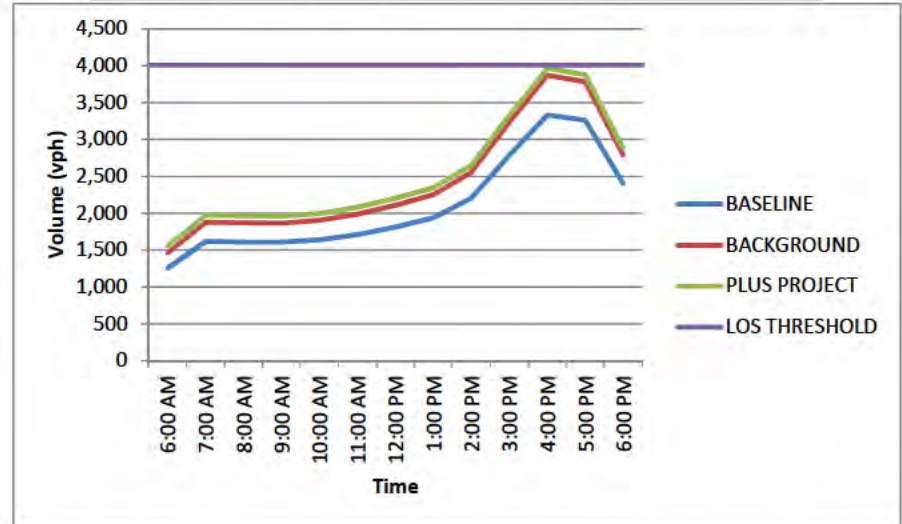


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

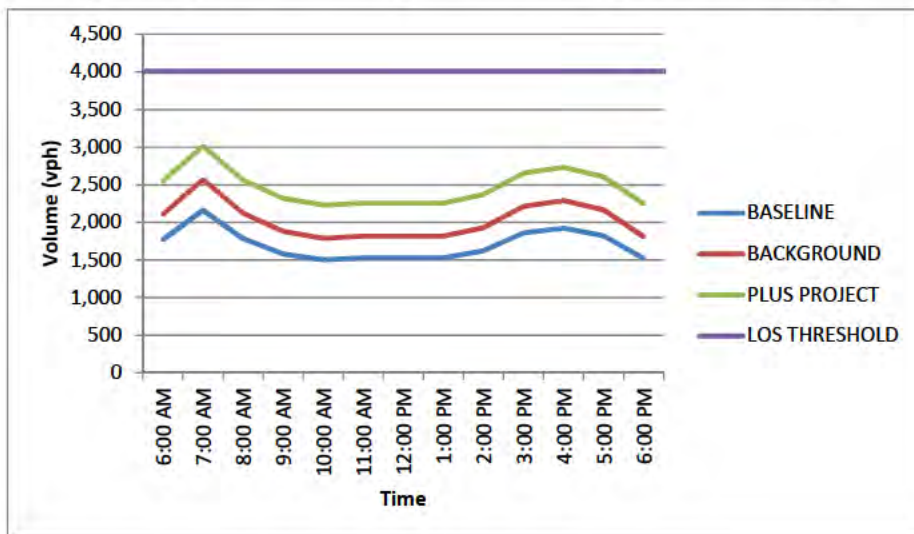
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



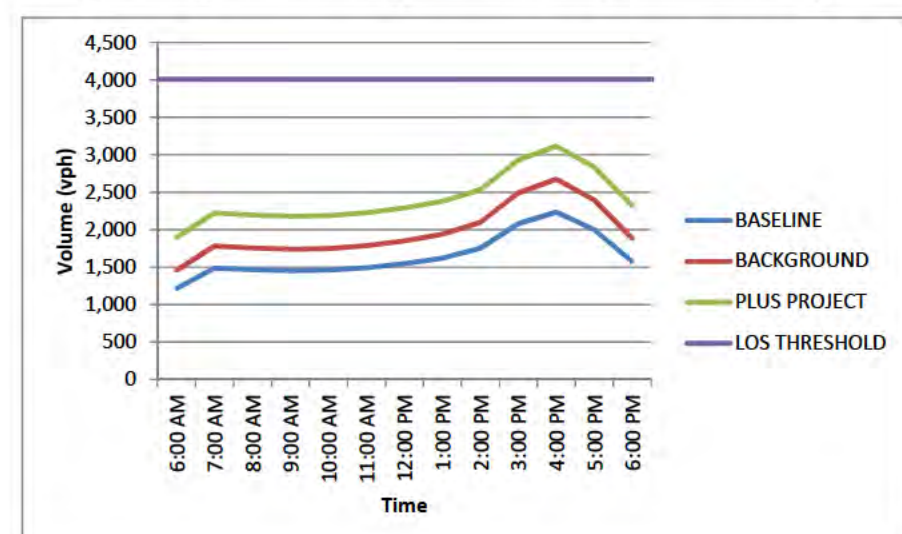
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



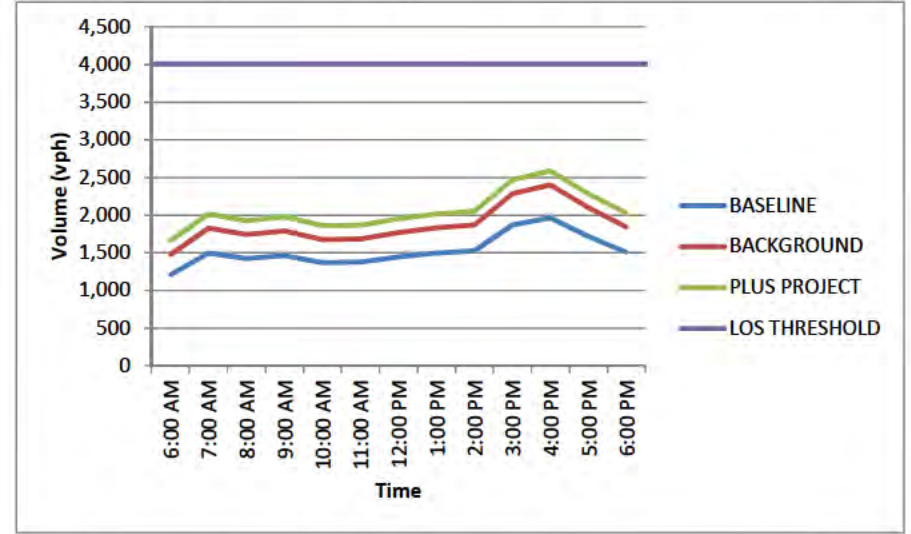
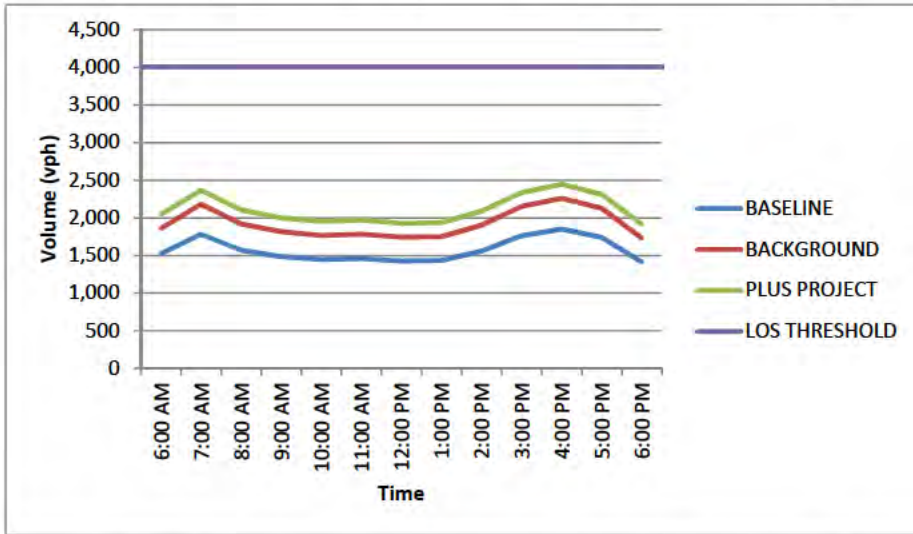
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

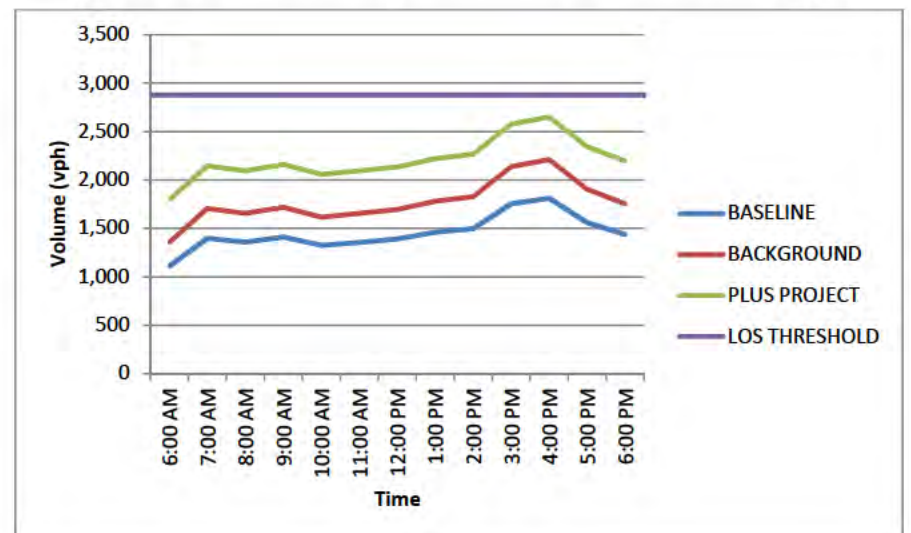
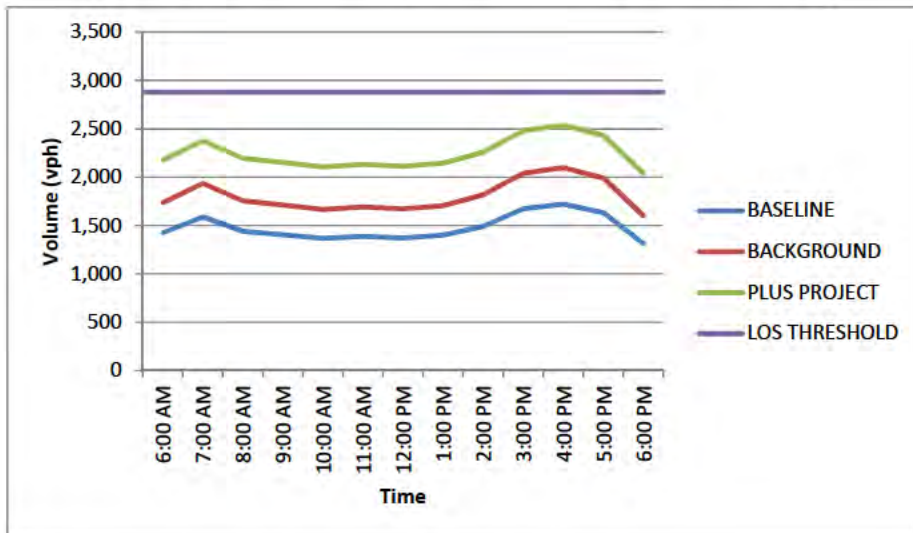
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

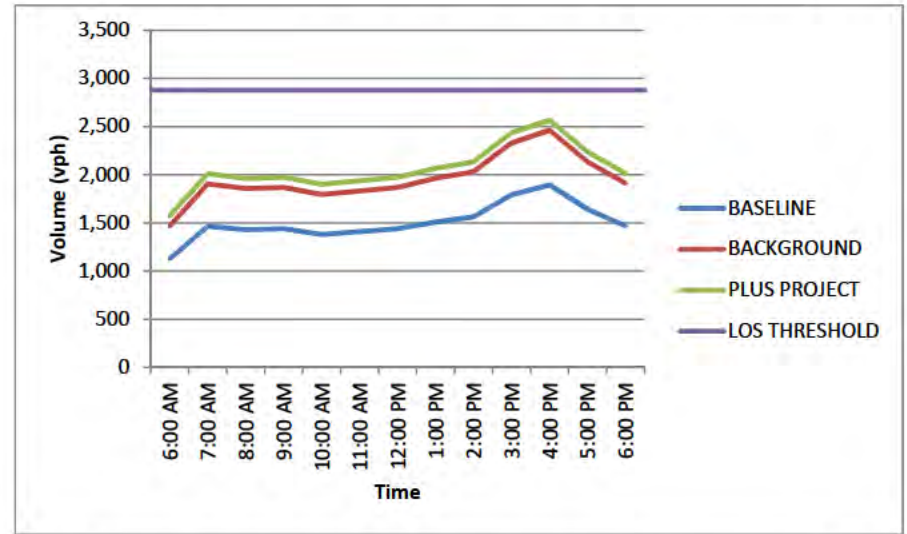
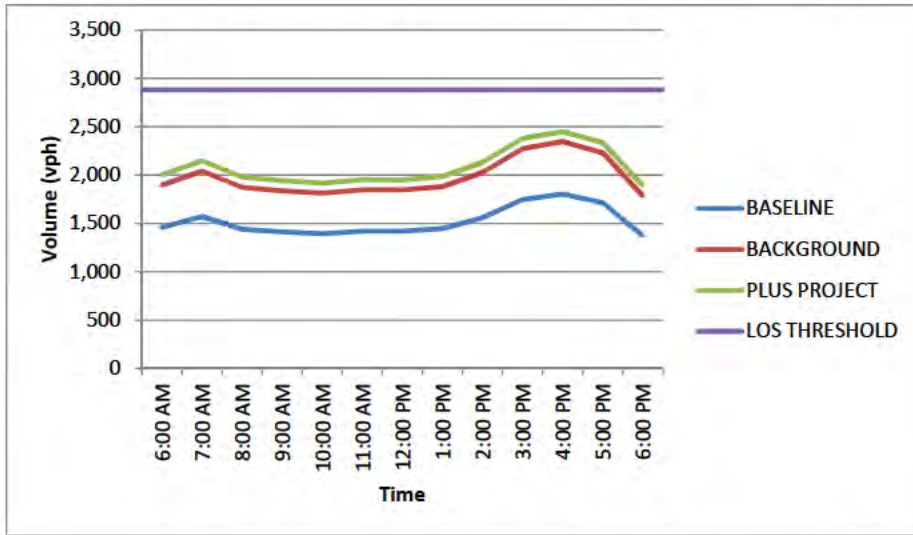
ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd



Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

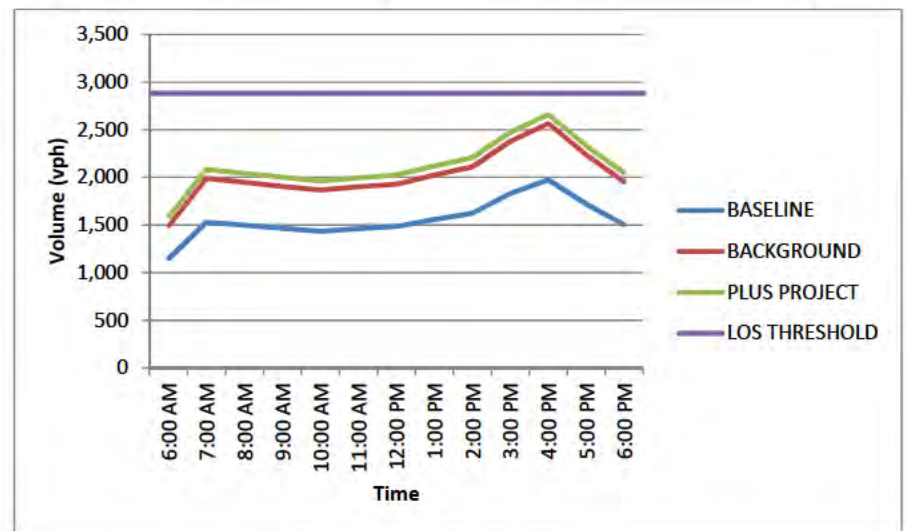
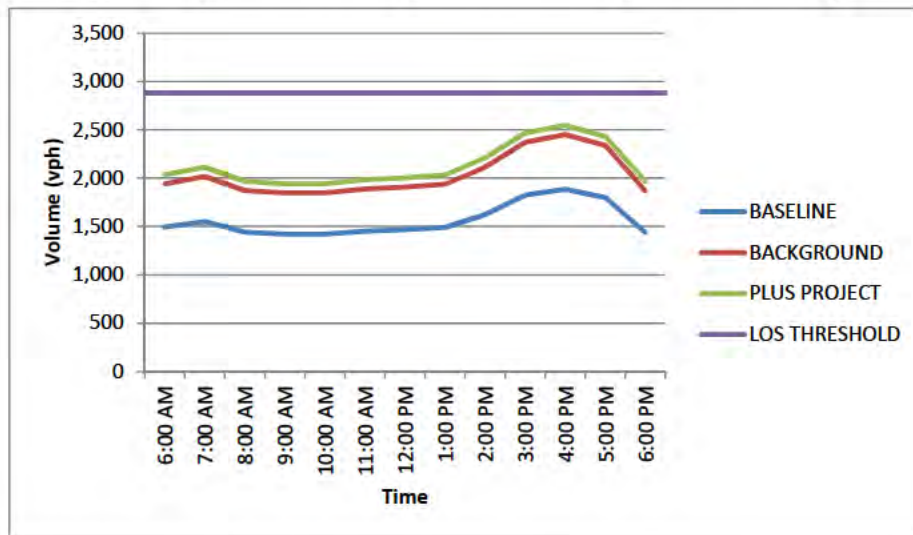
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd

ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



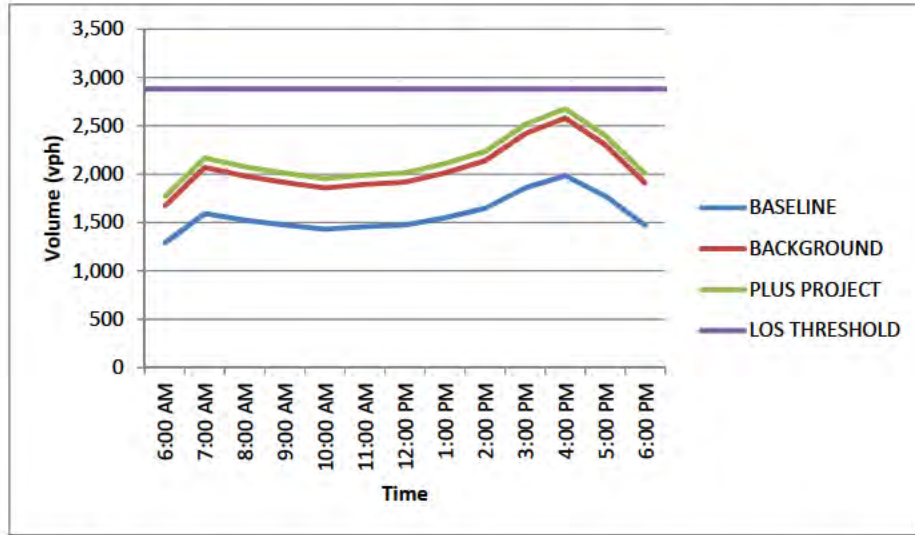
ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd

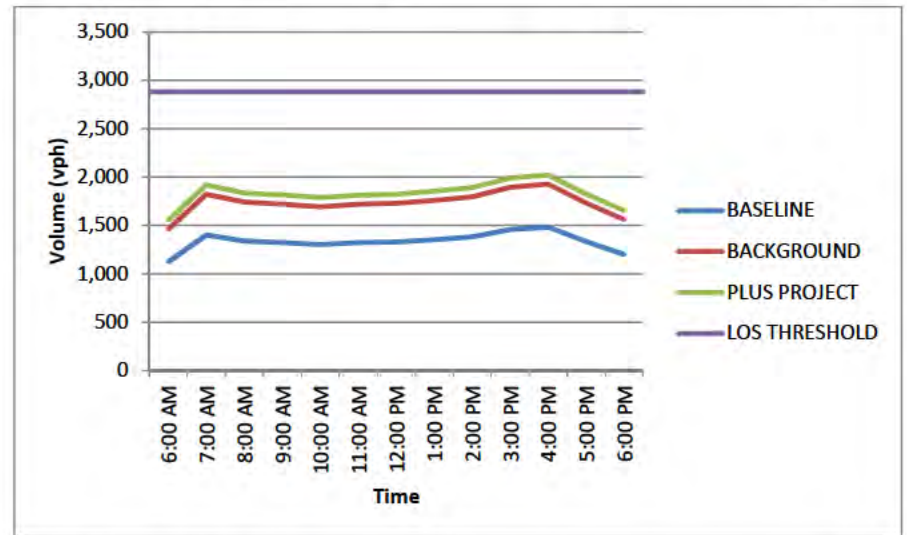


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

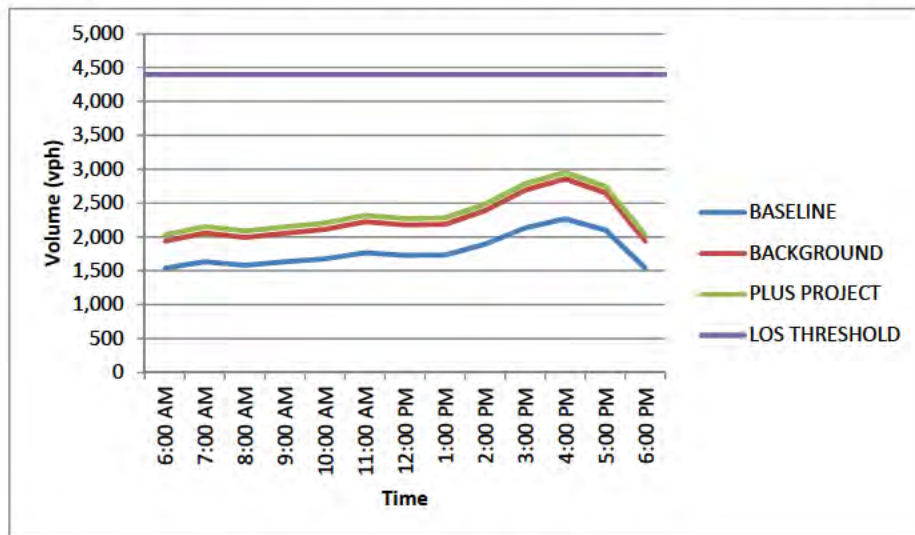
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd



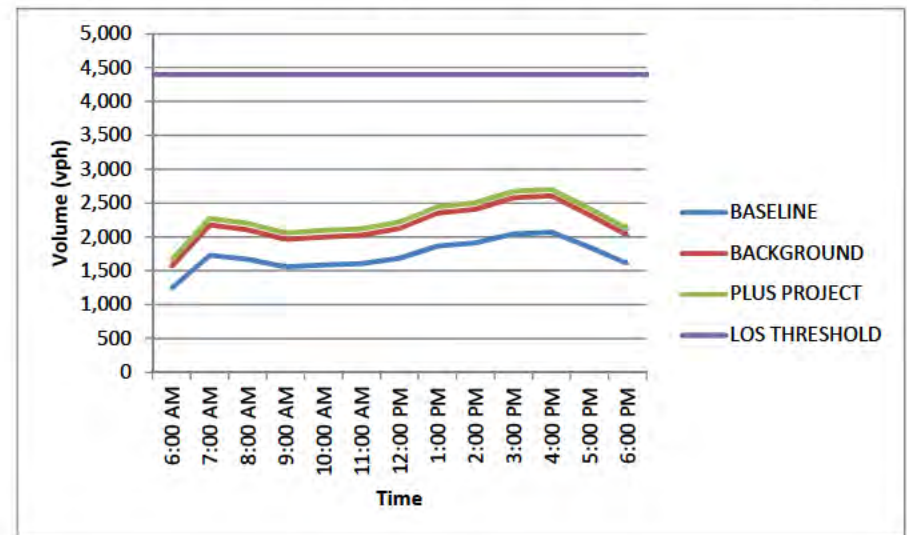
ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

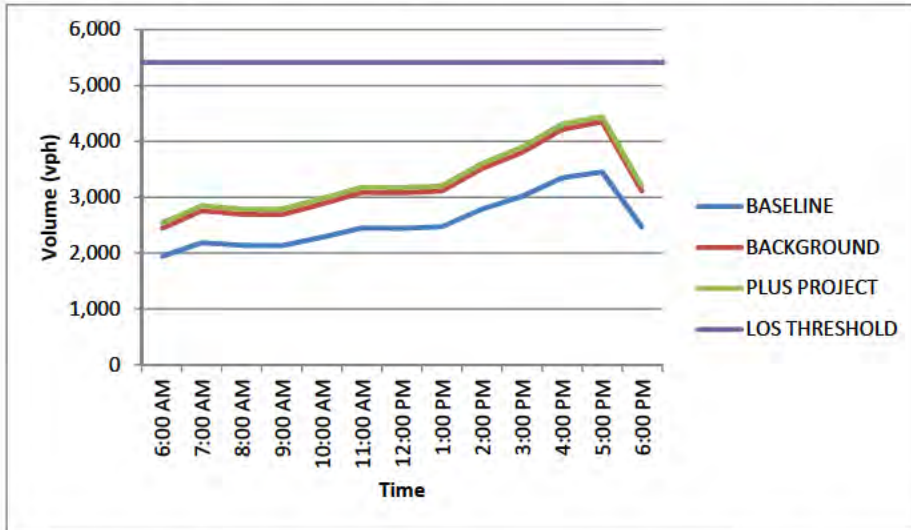


ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

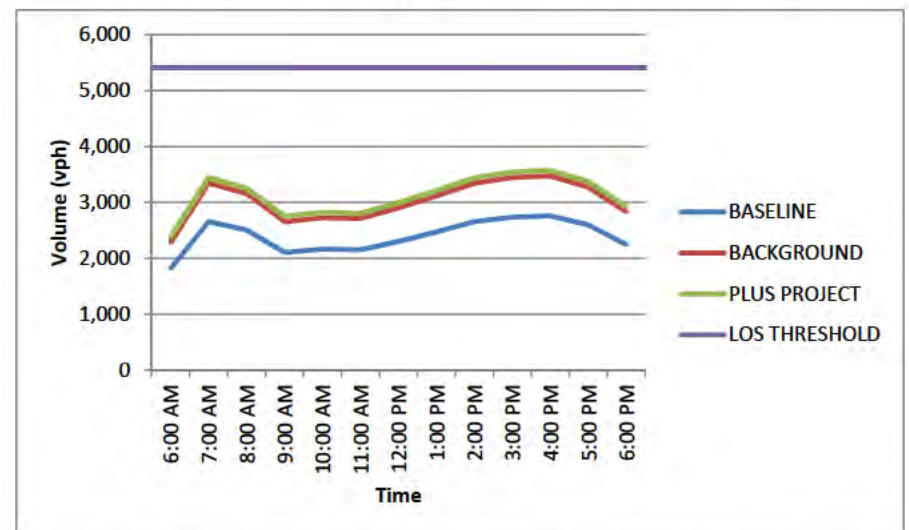


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

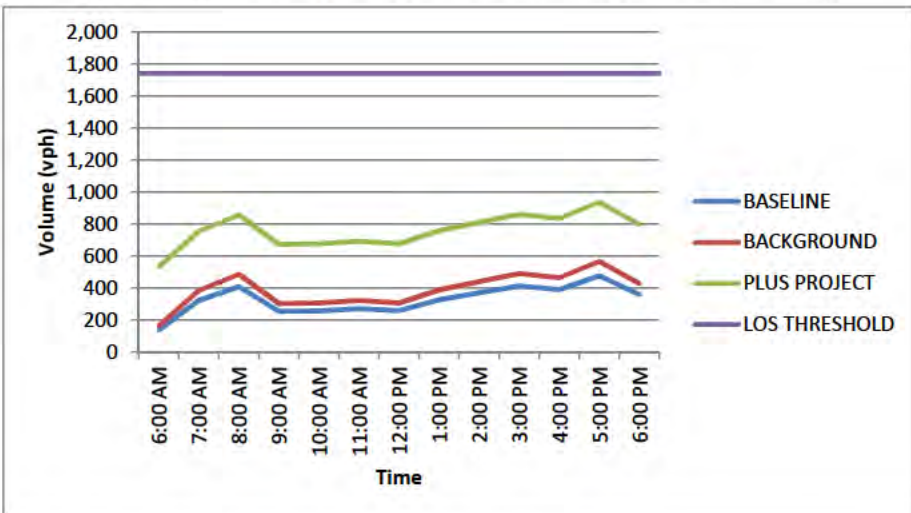
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



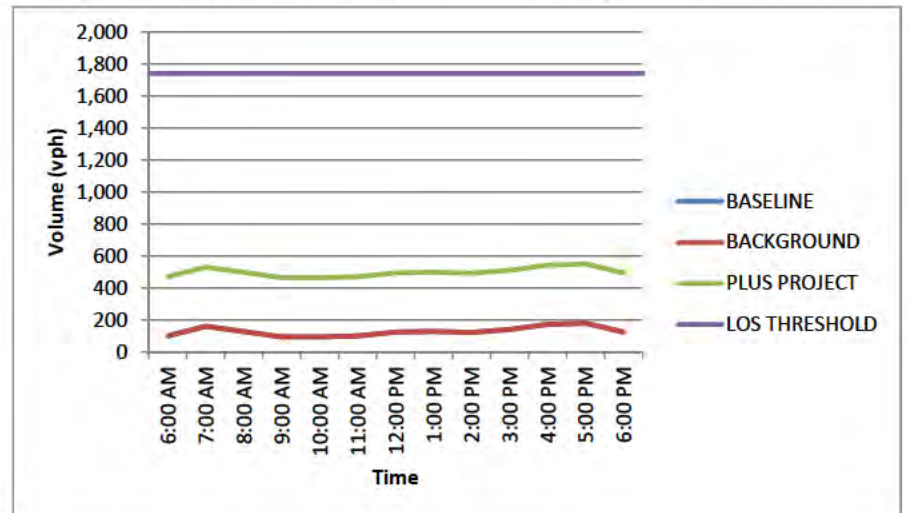
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

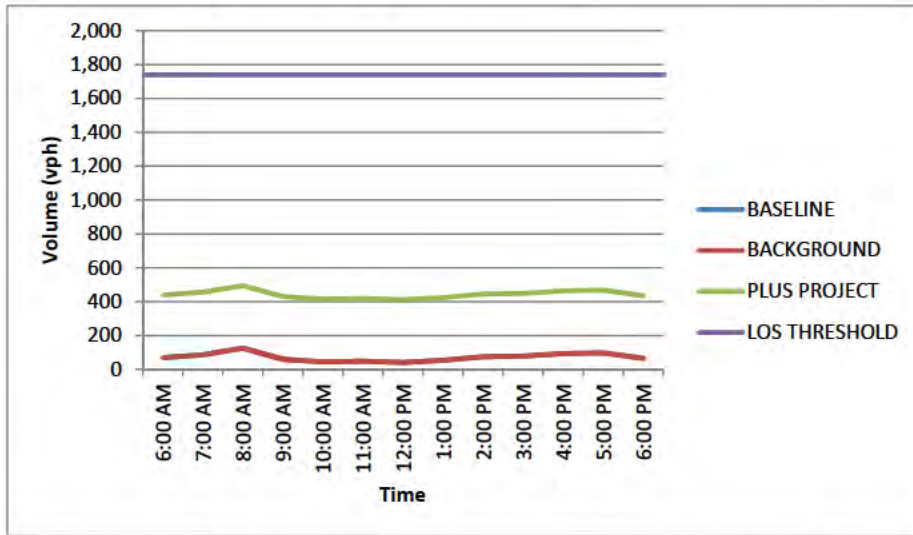


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

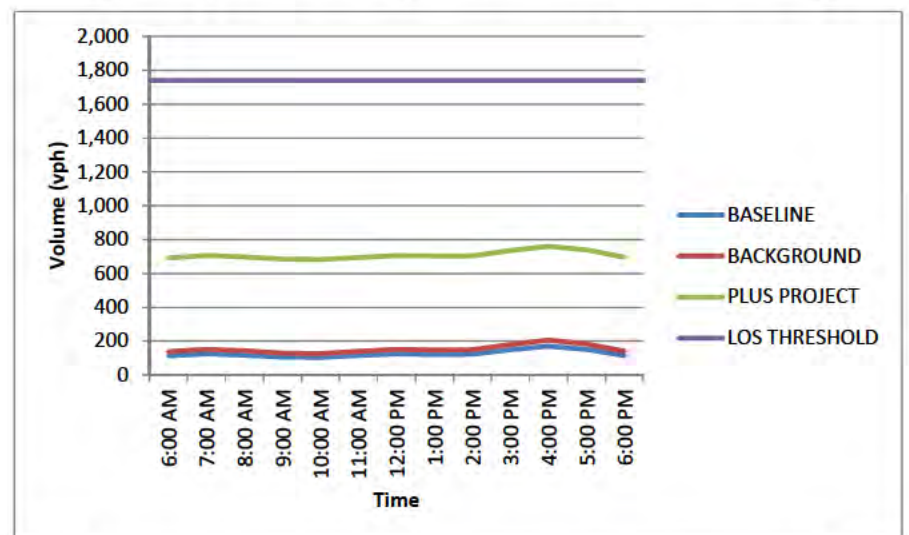


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

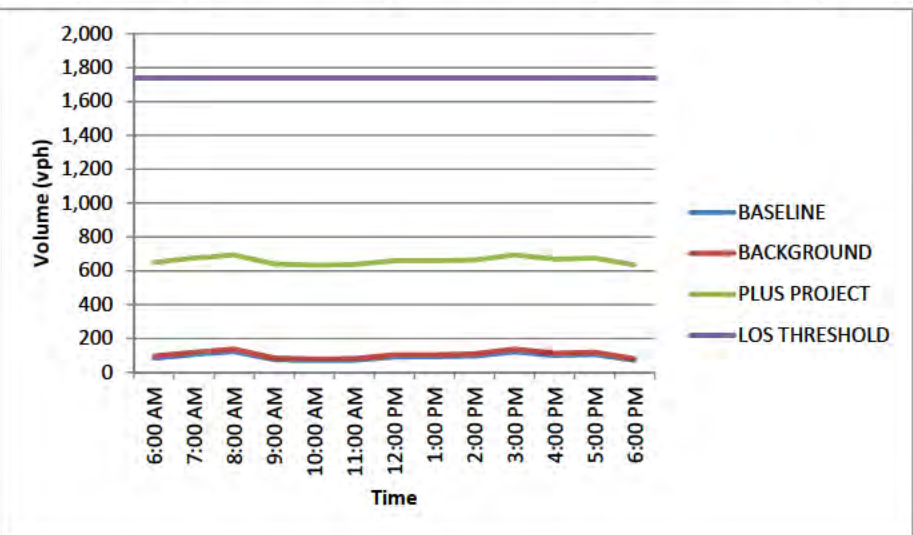
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



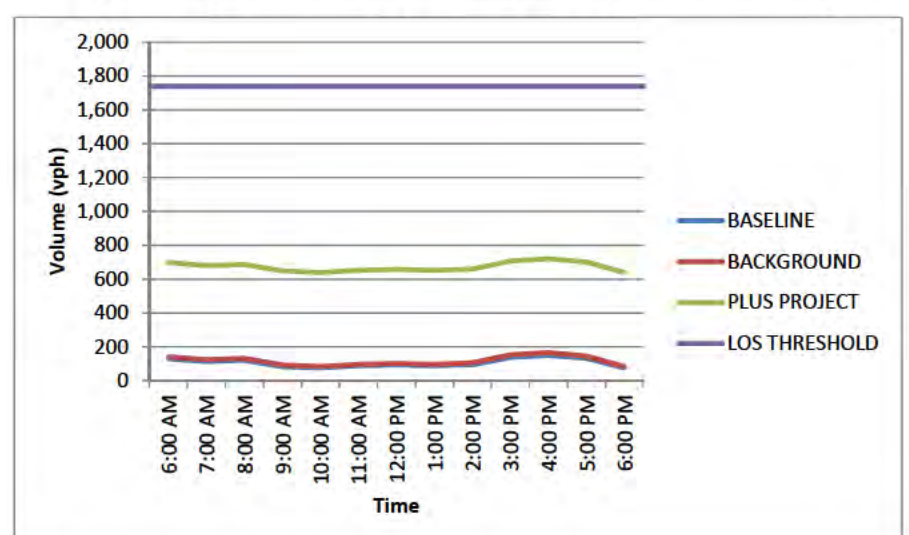
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

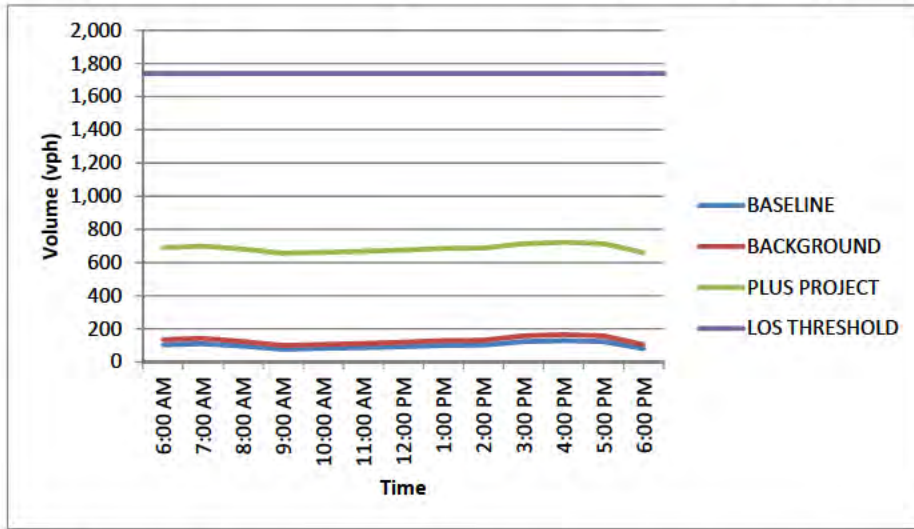


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

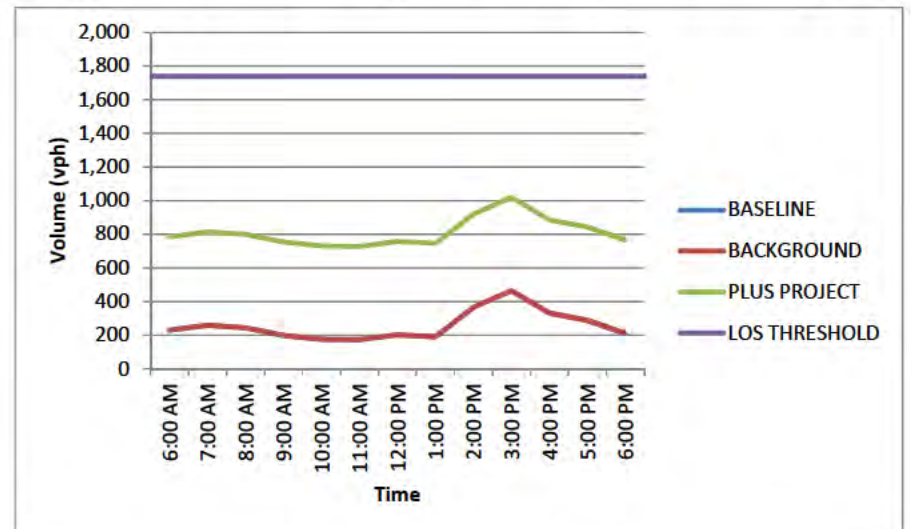


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

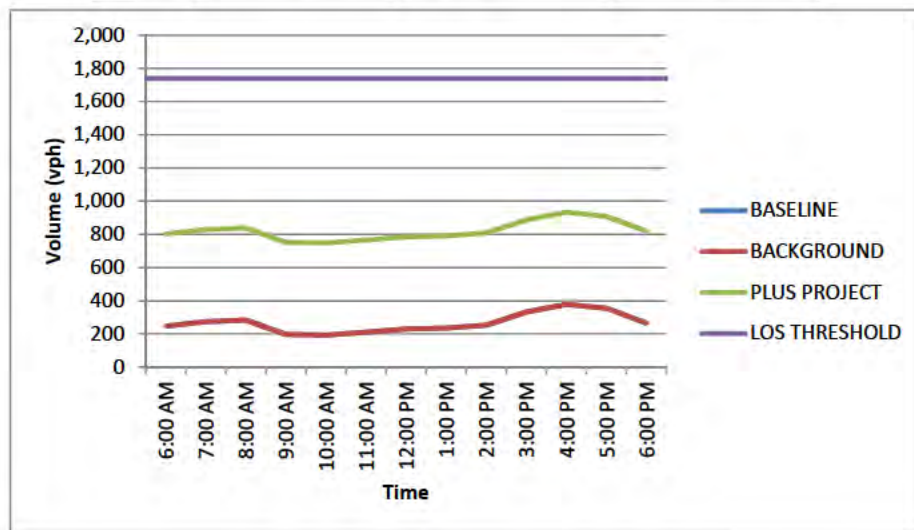
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



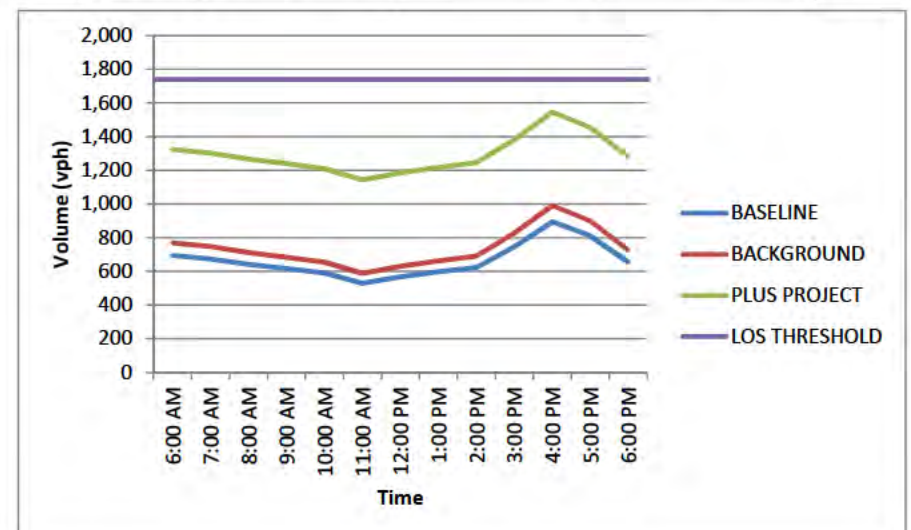
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12



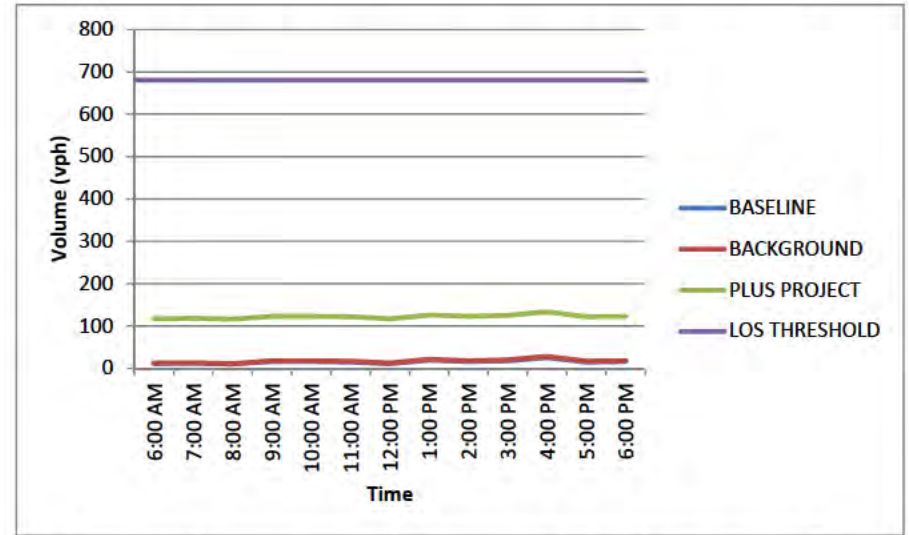
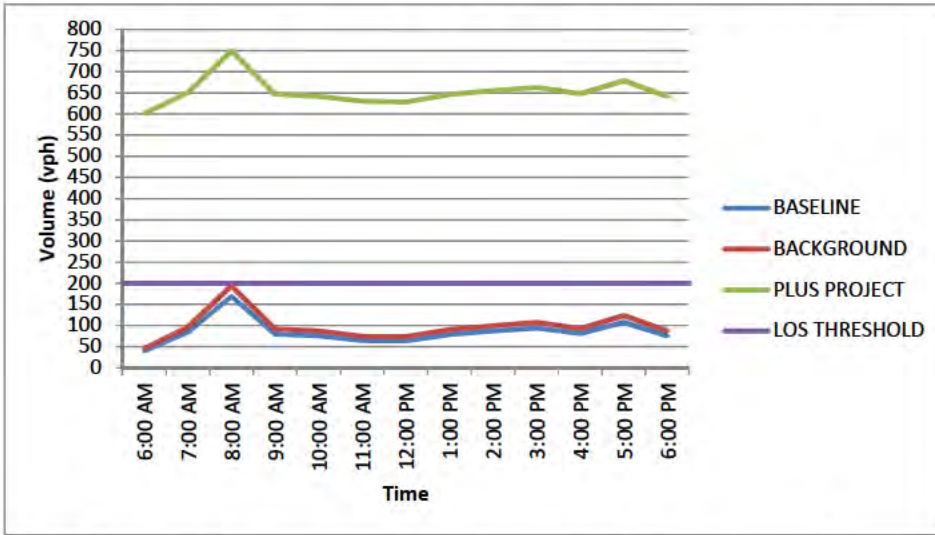
ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12



Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

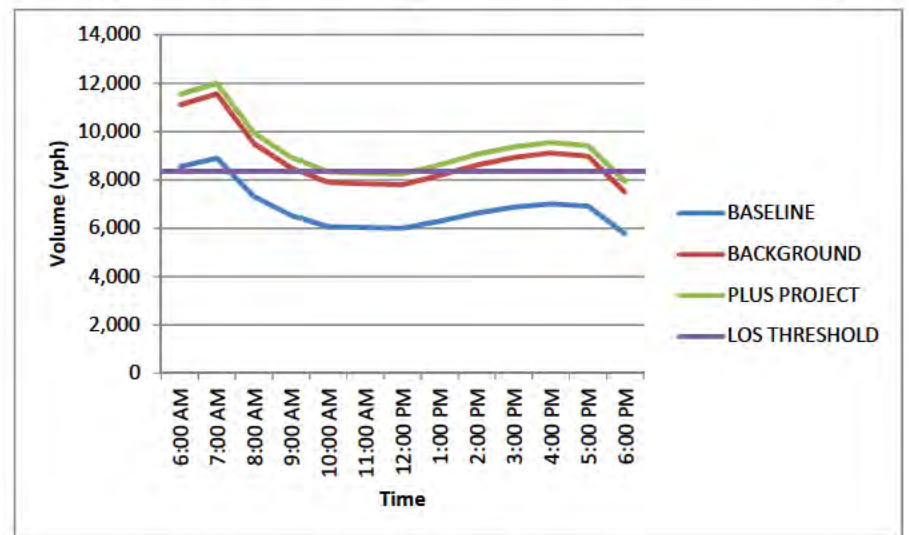
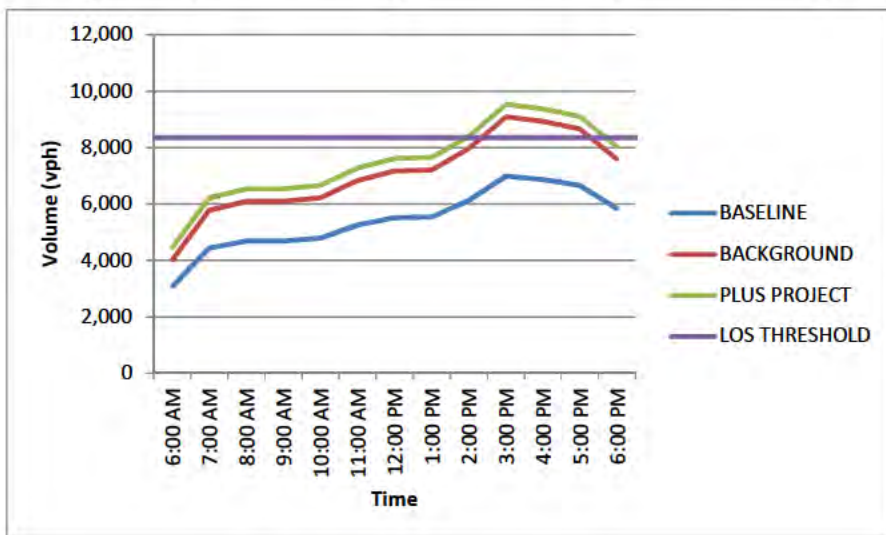
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd

ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



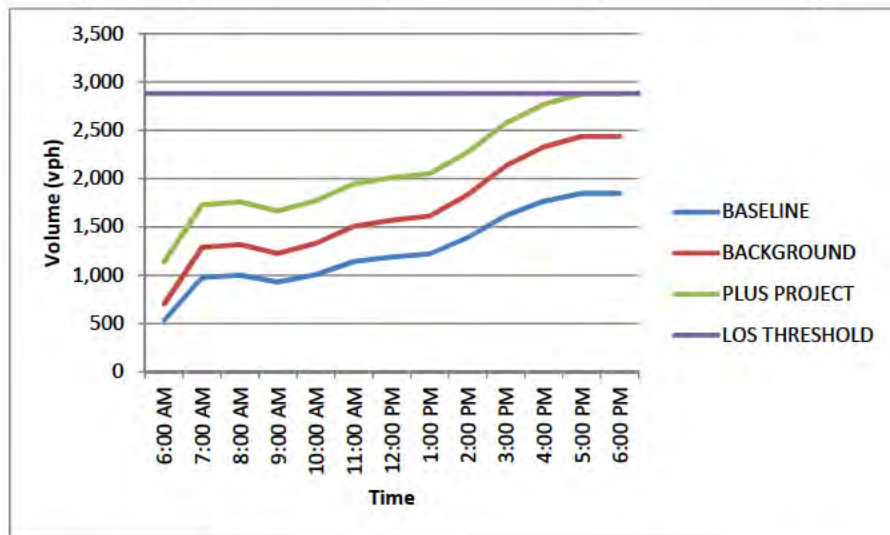
ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

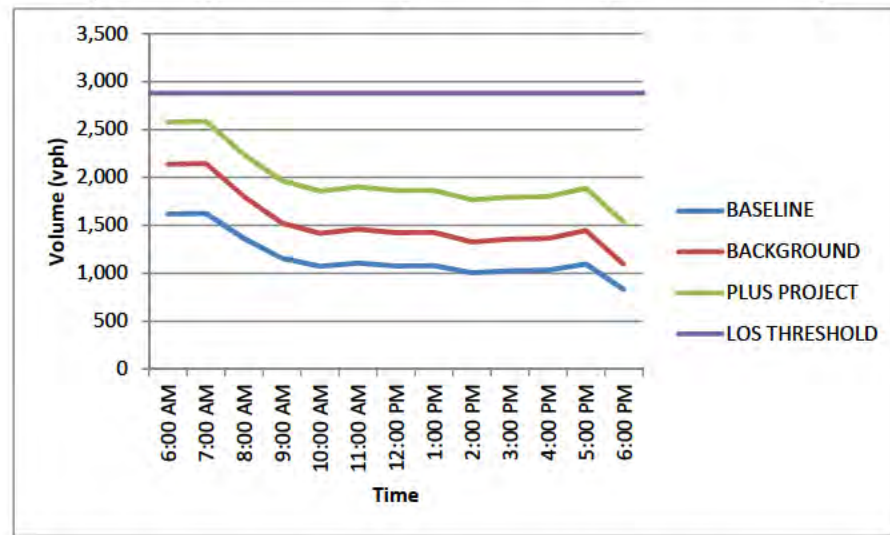


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

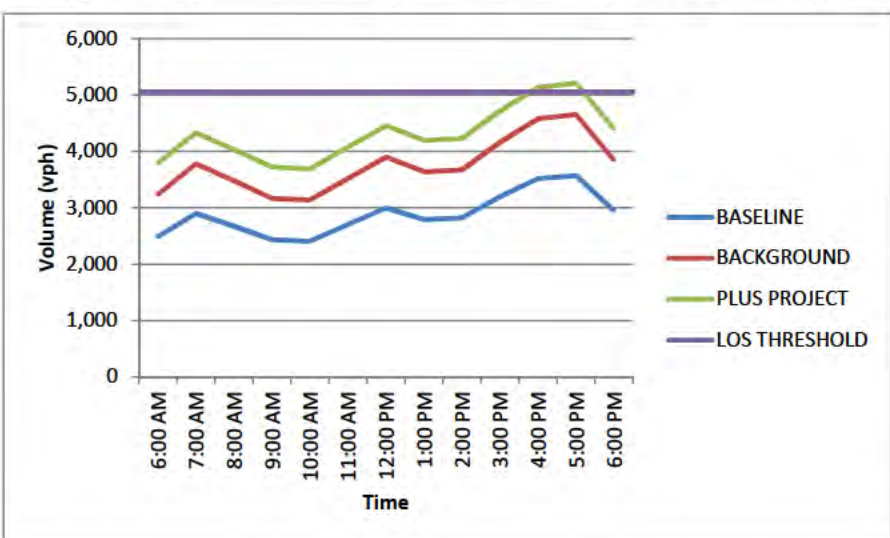
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



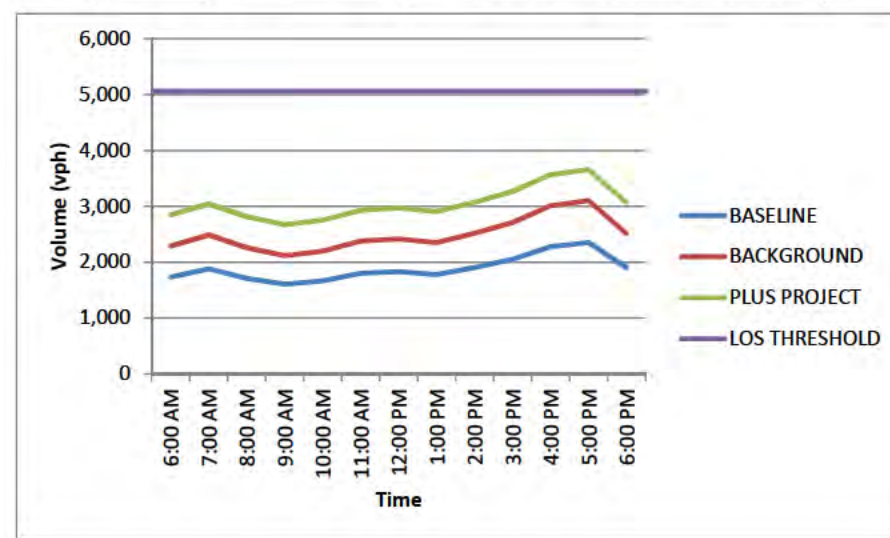
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

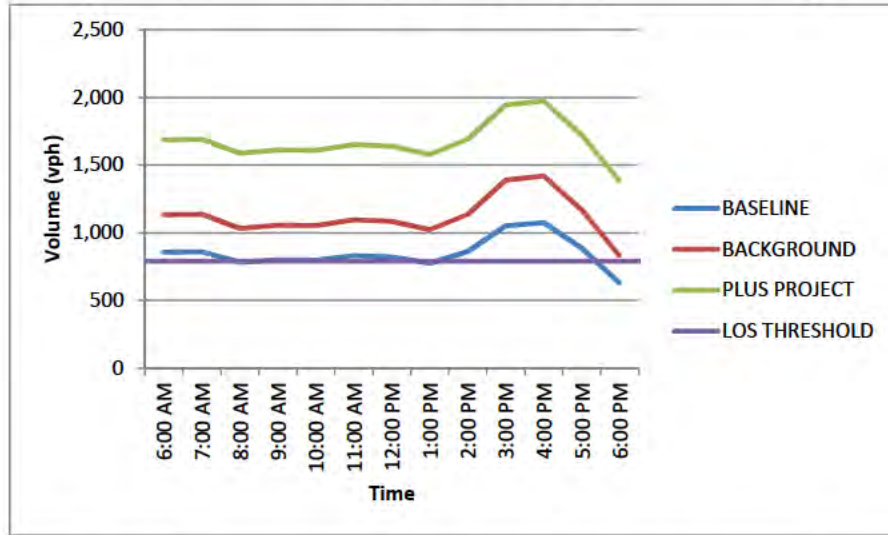


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

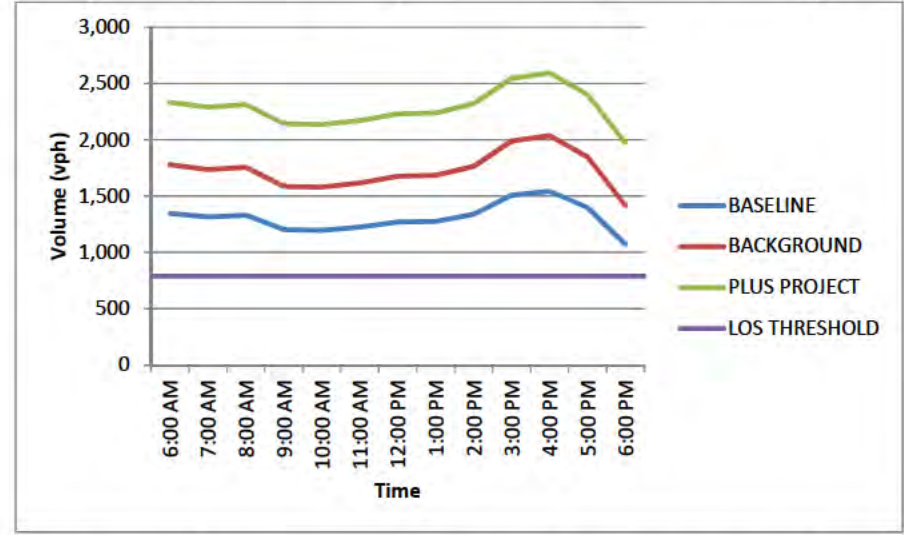


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

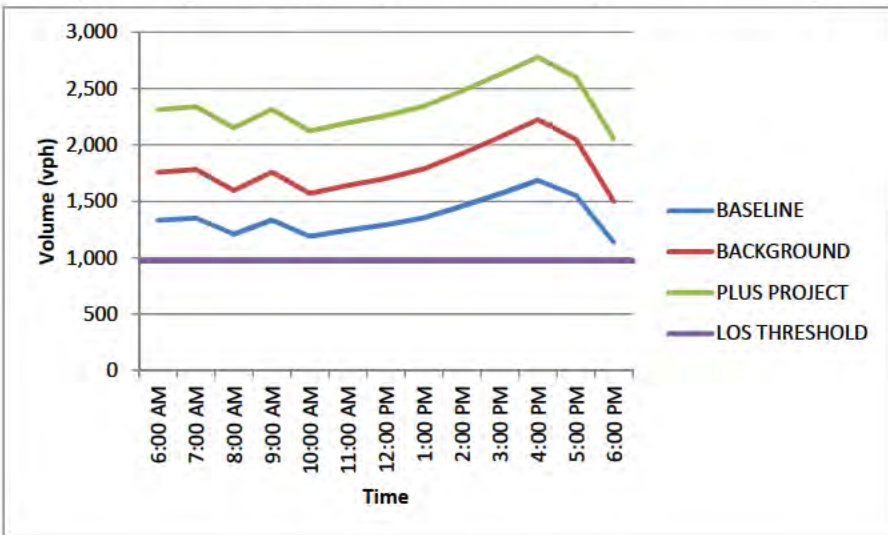
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



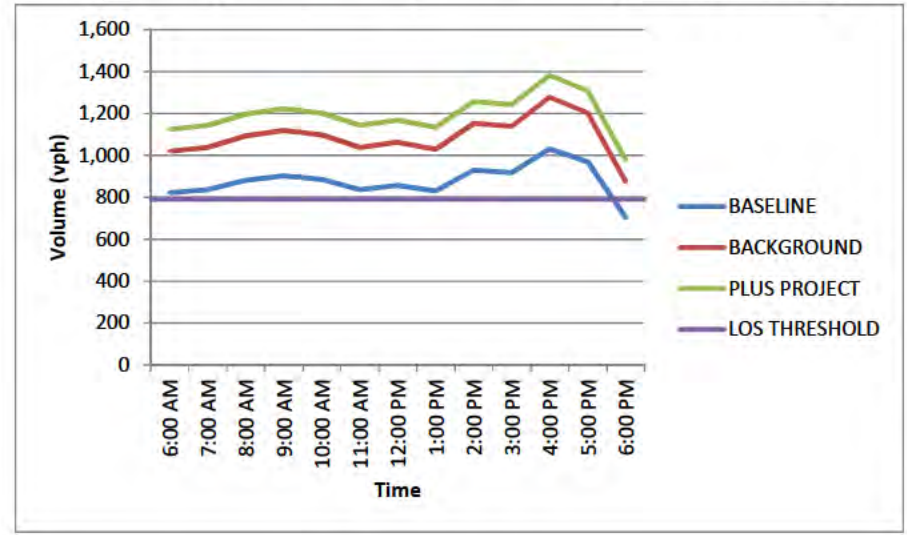
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

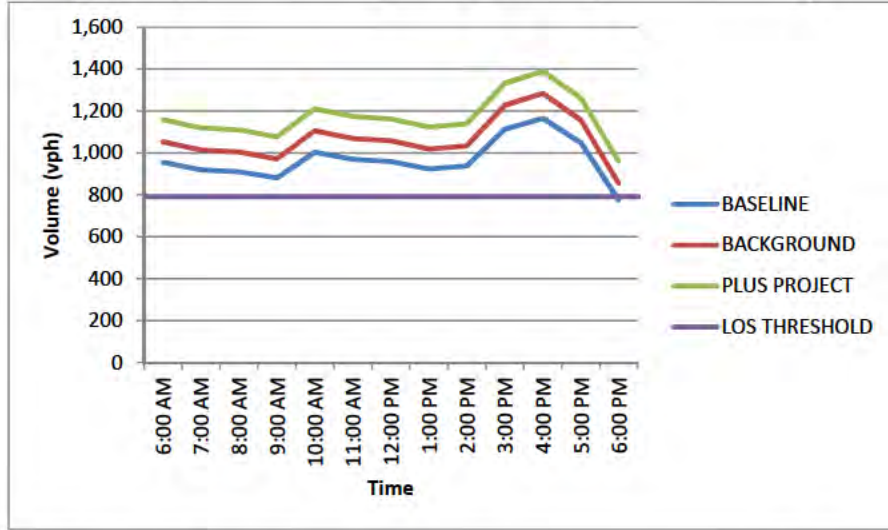


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

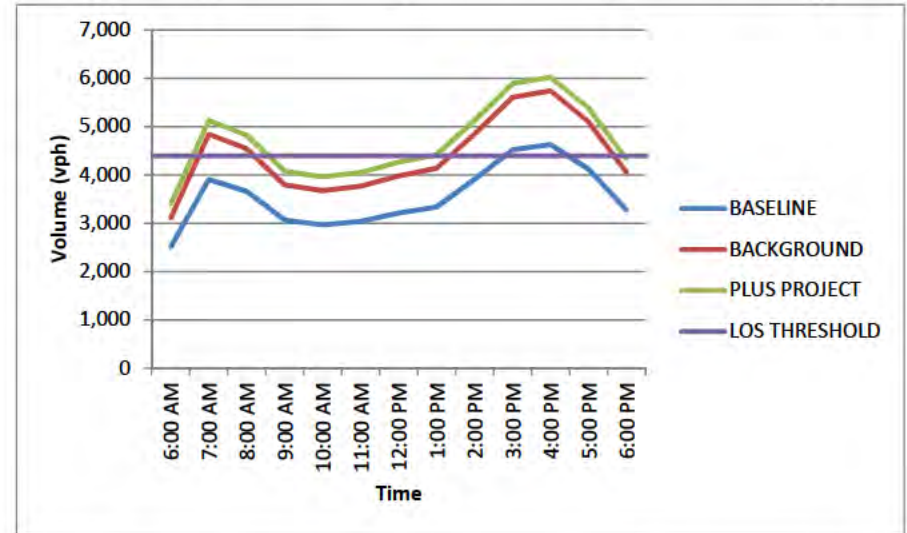


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

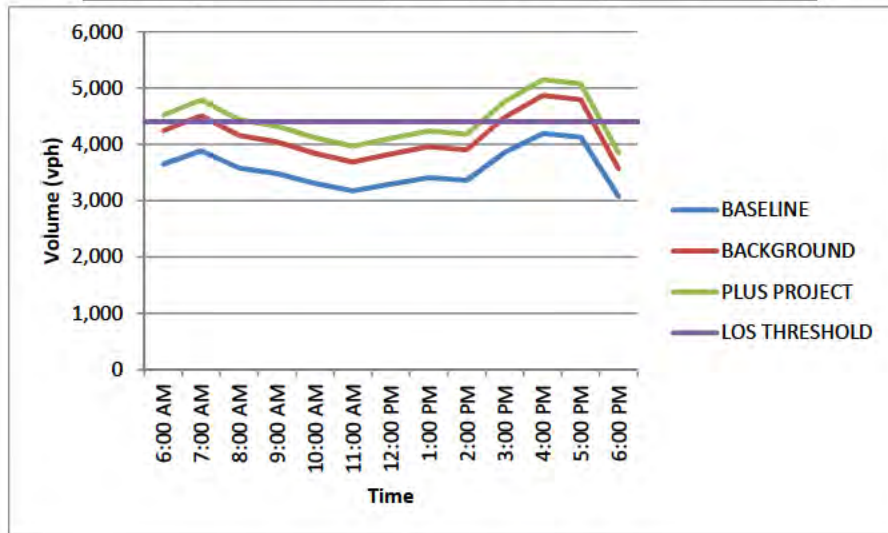
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



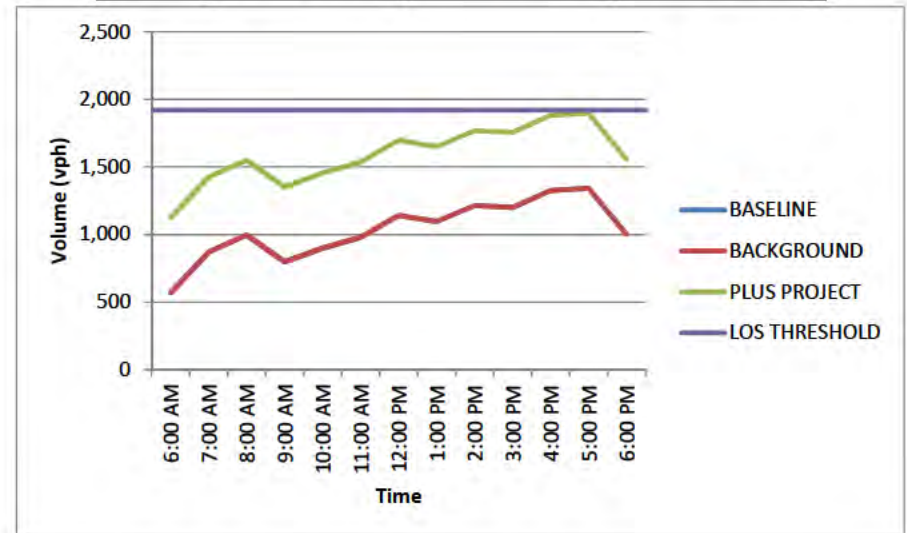
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

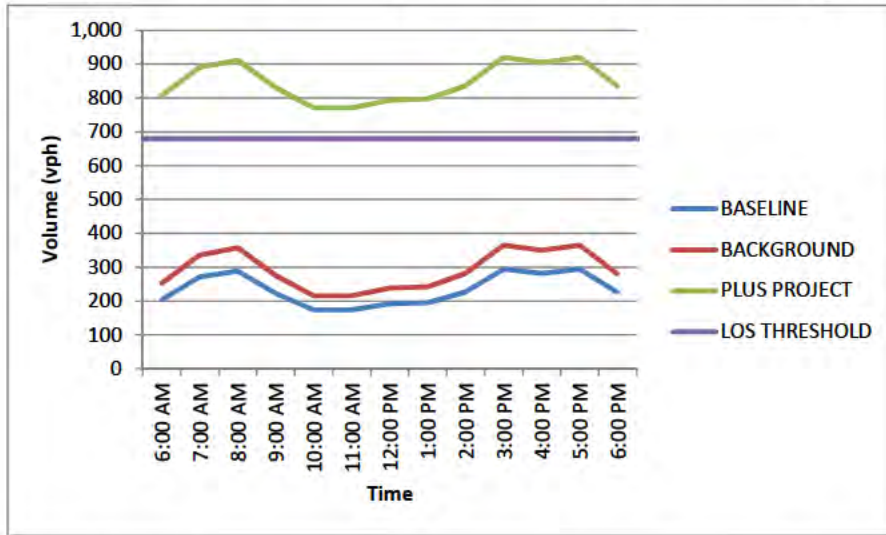


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

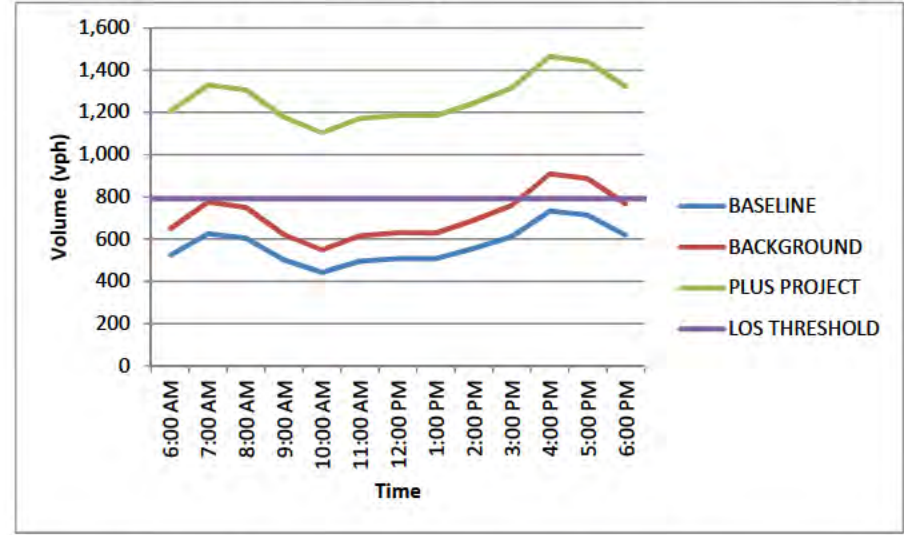


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

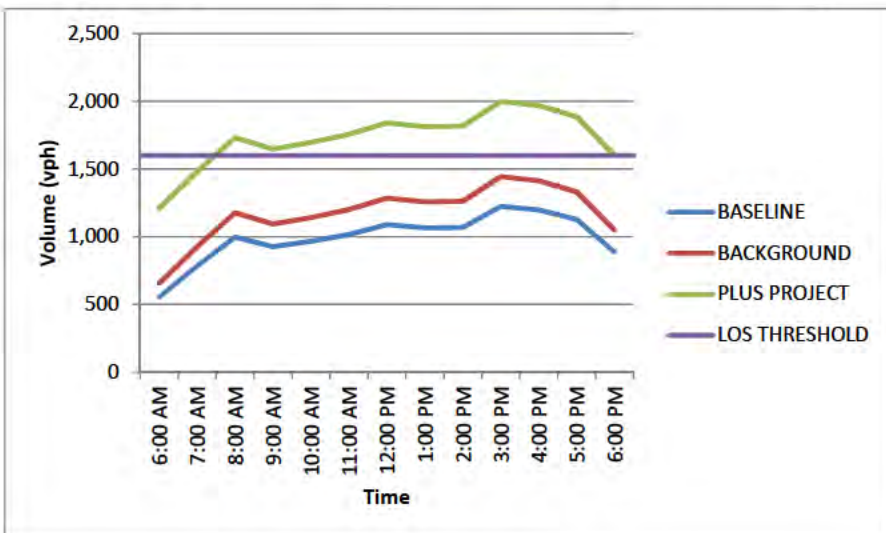
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



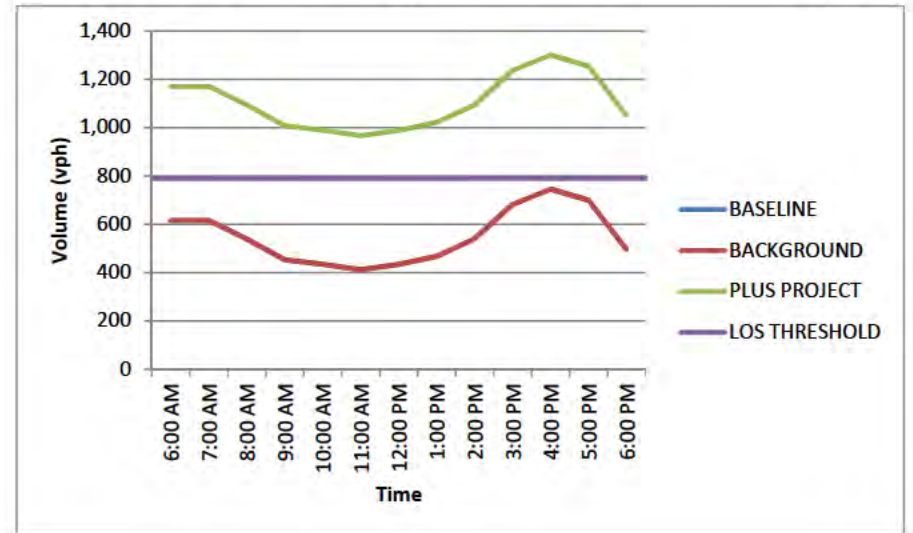
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

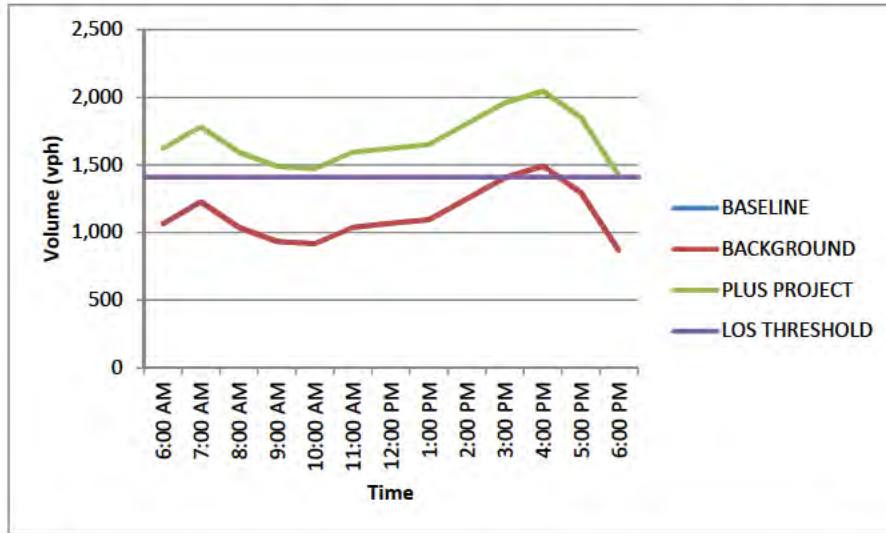


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

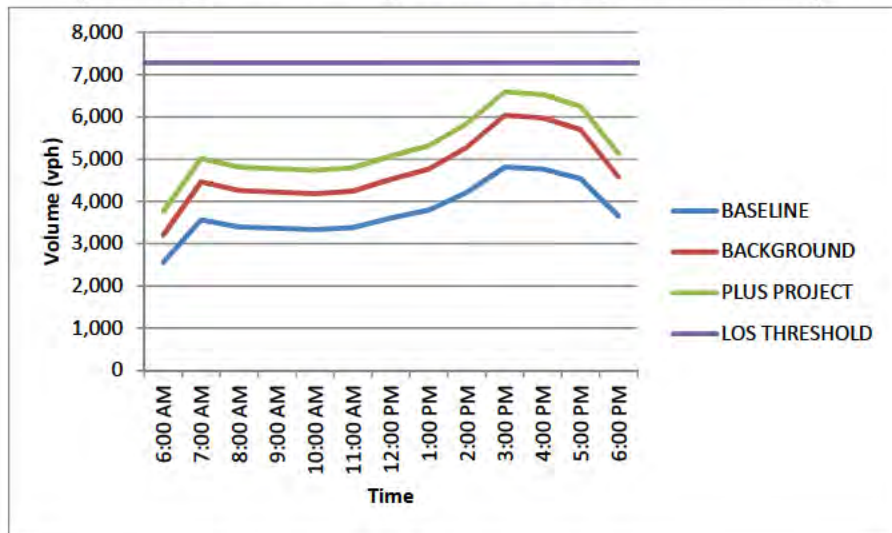


Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

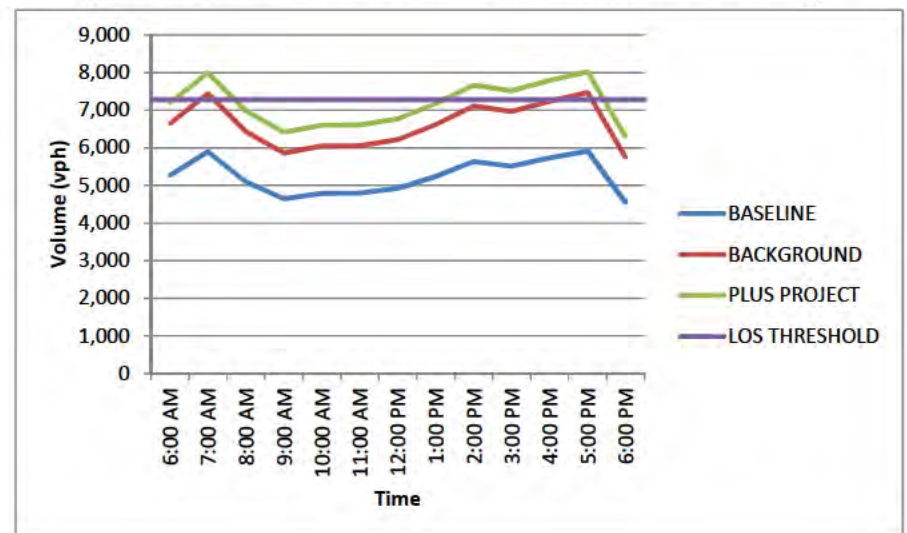
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

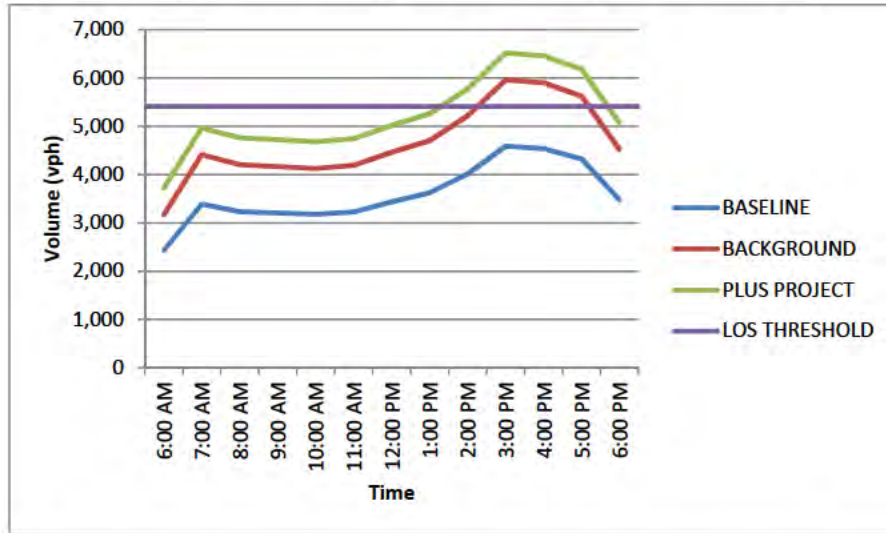


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

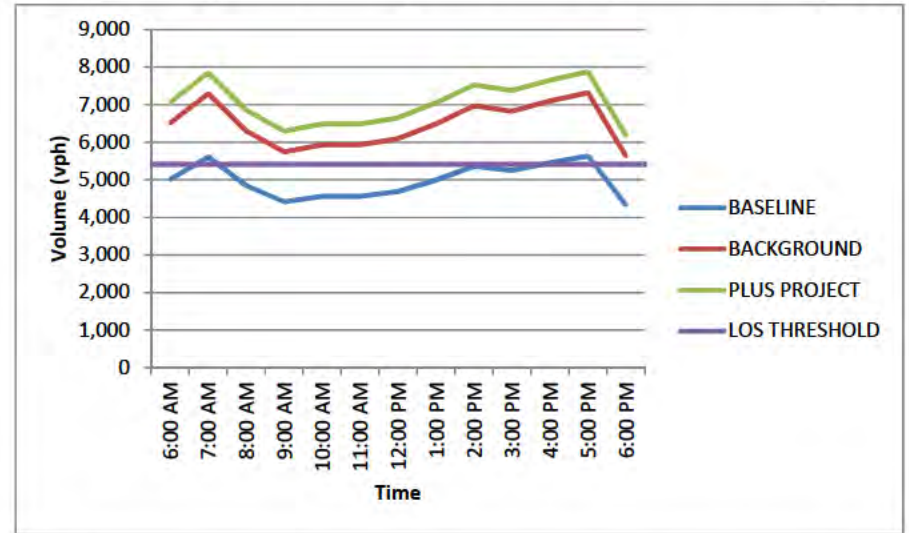


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

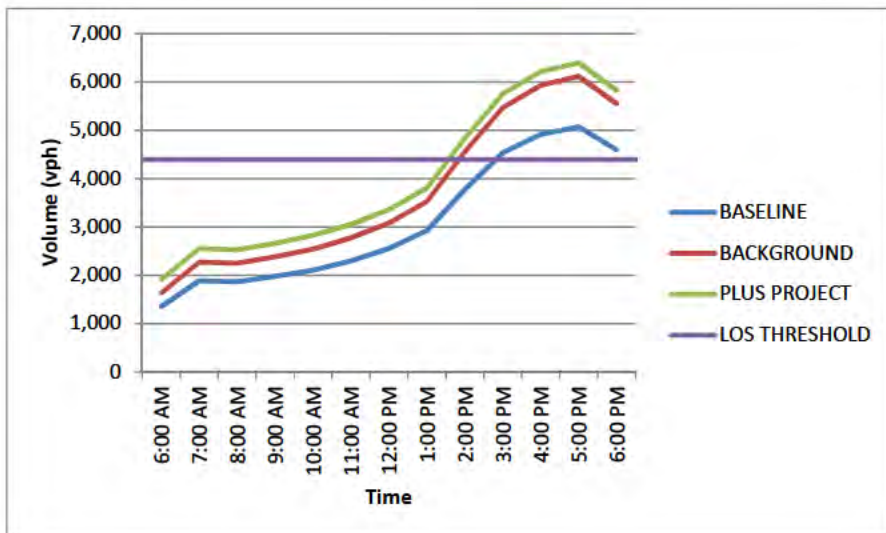
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



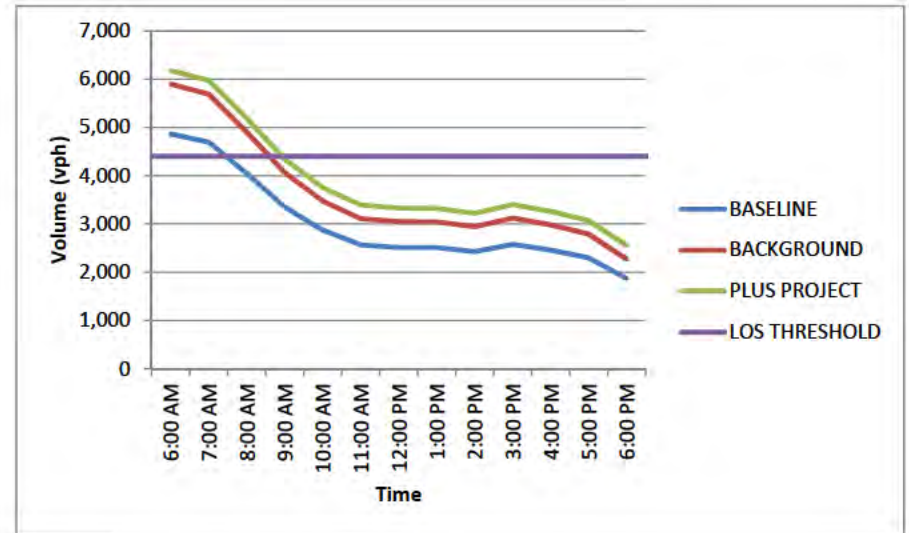
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

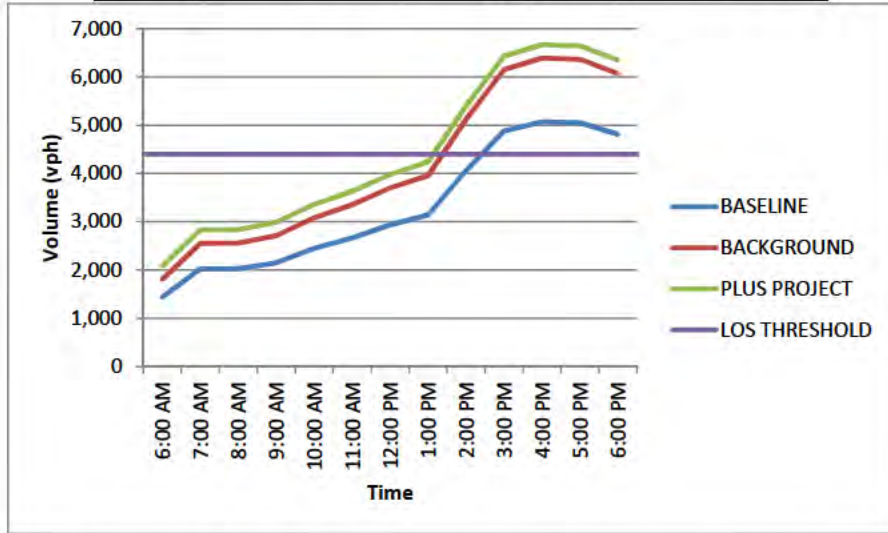


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

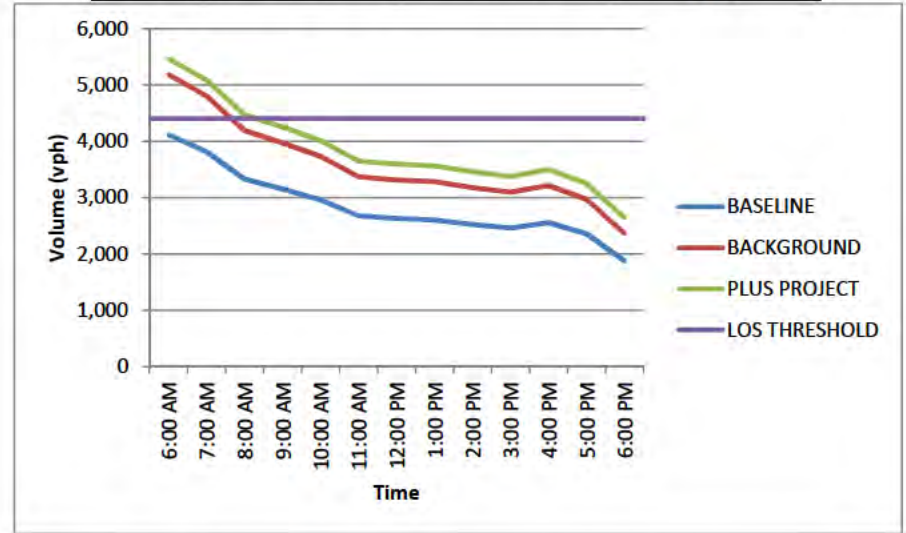


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Caltrans

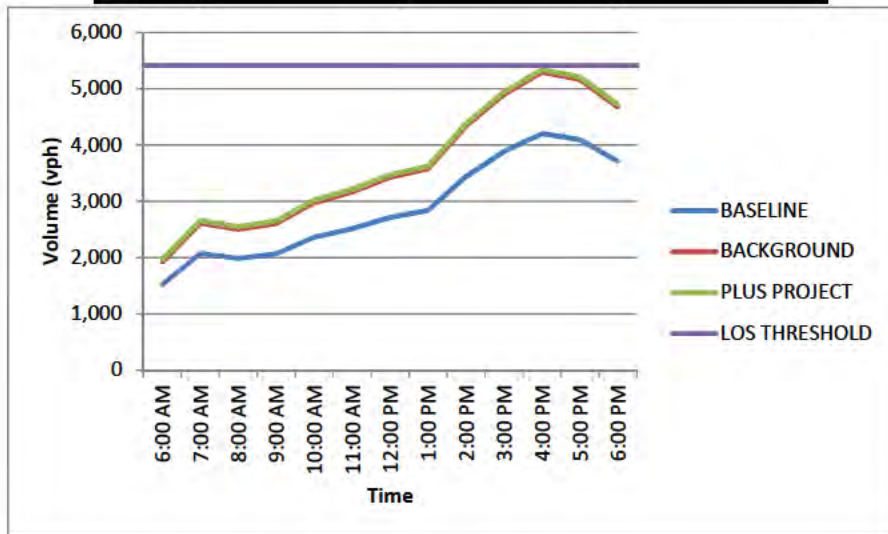
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



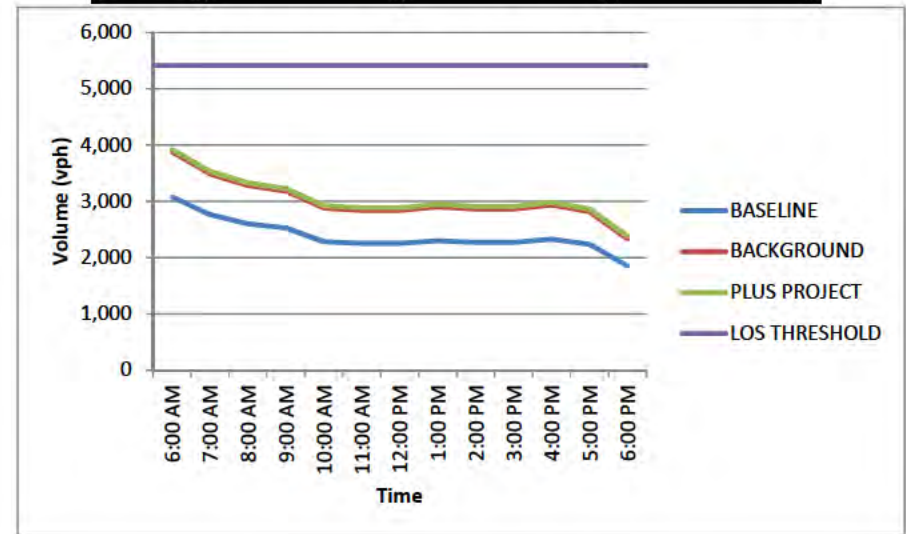
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



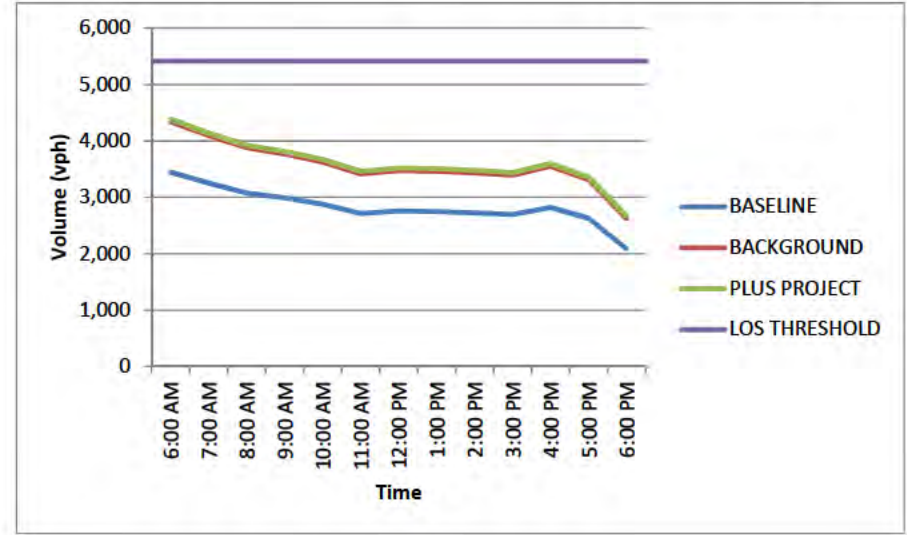
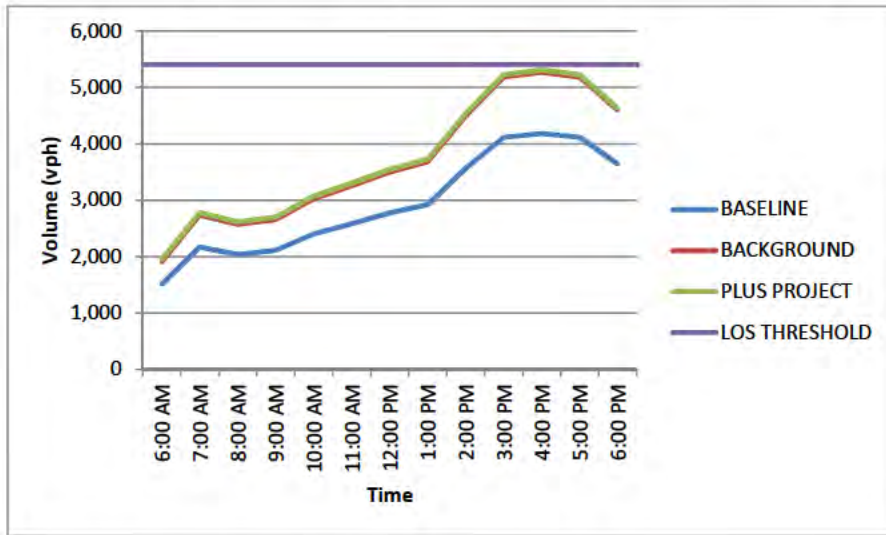
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Caltrans

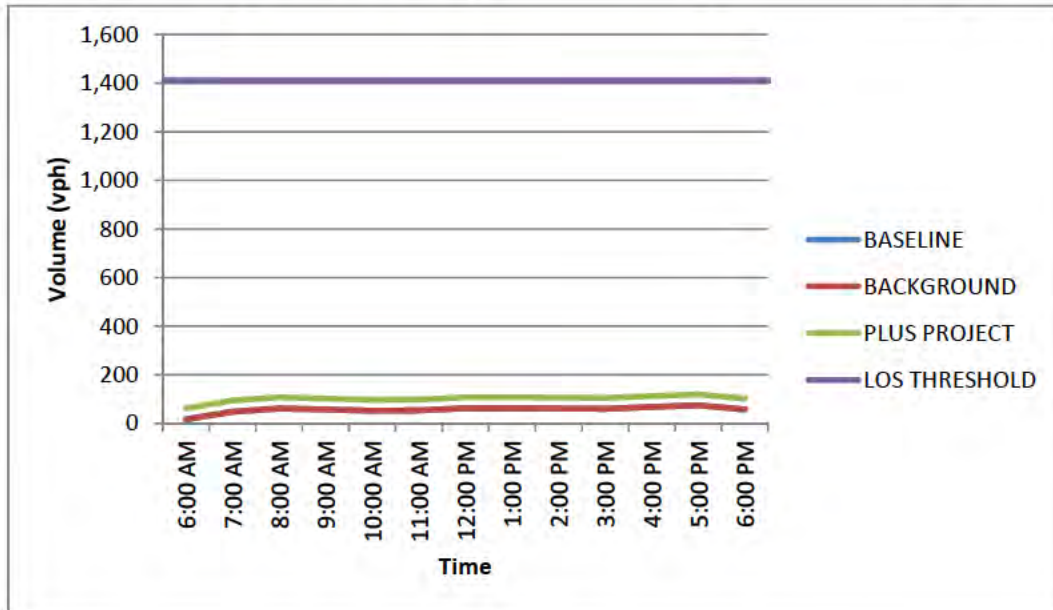
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Isleton

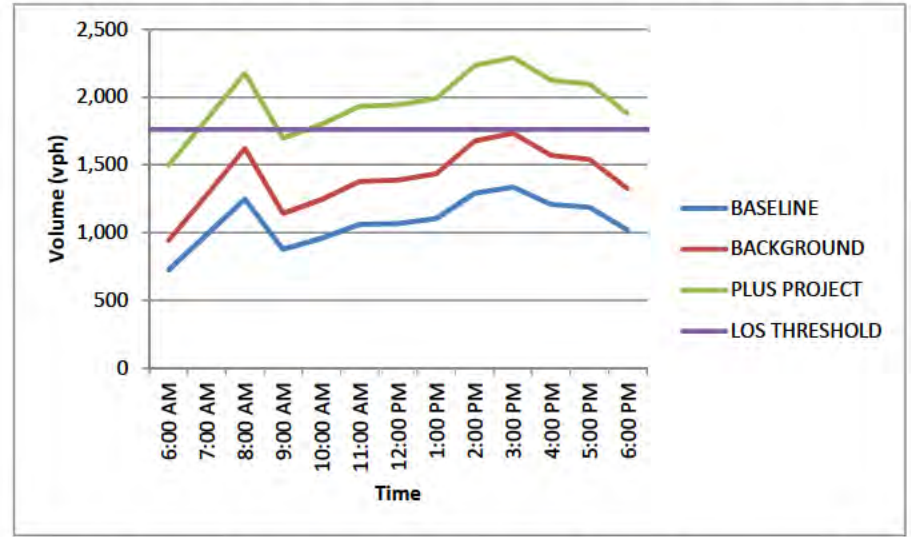
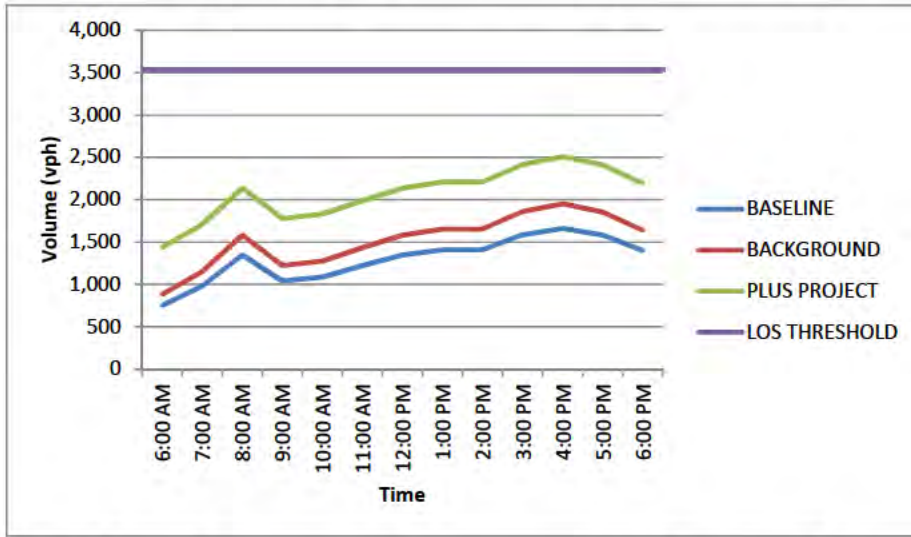
ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits



Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Oakley

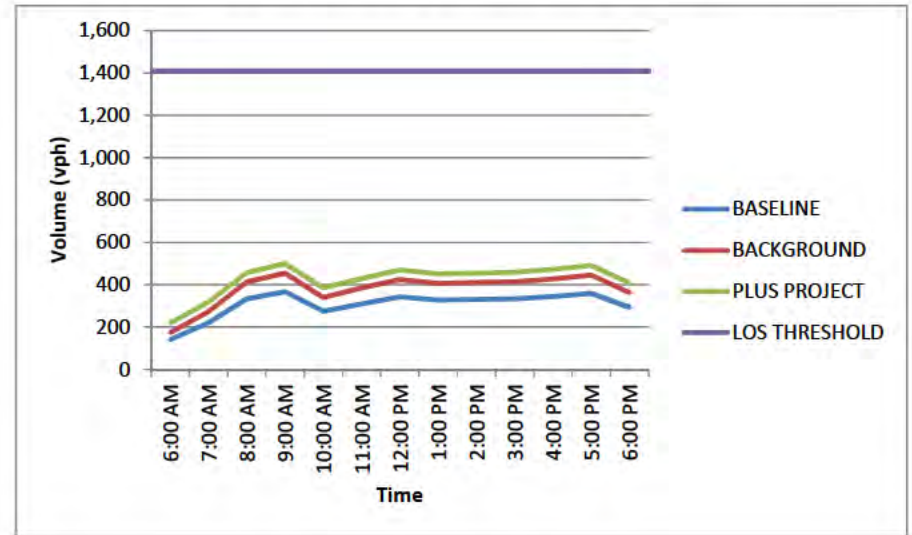
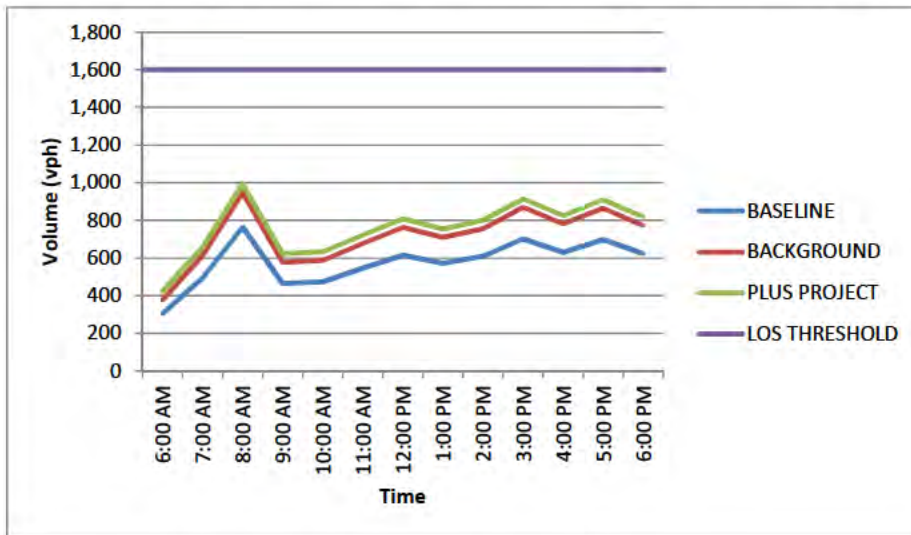
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd

ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



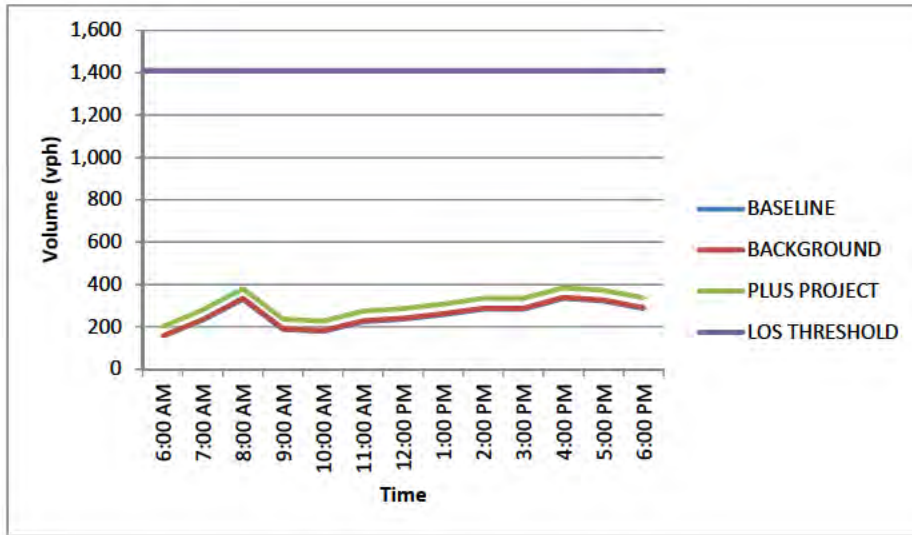
ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Oakley

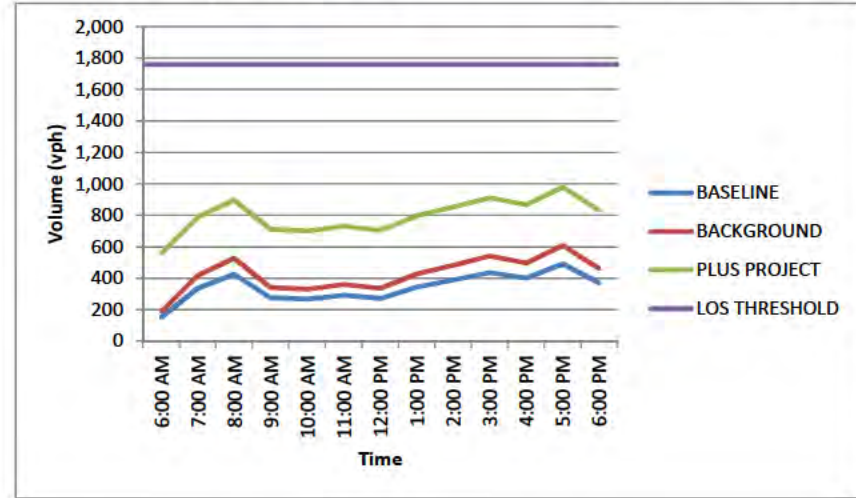
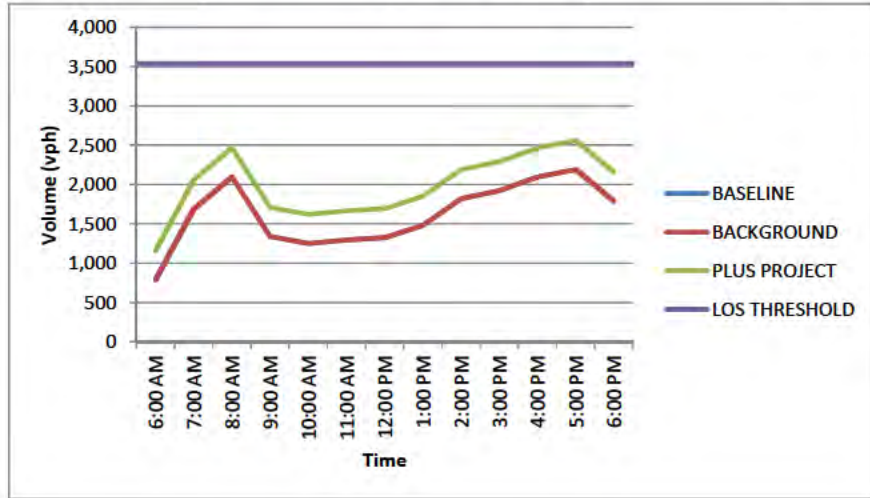
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - City of Sacramento

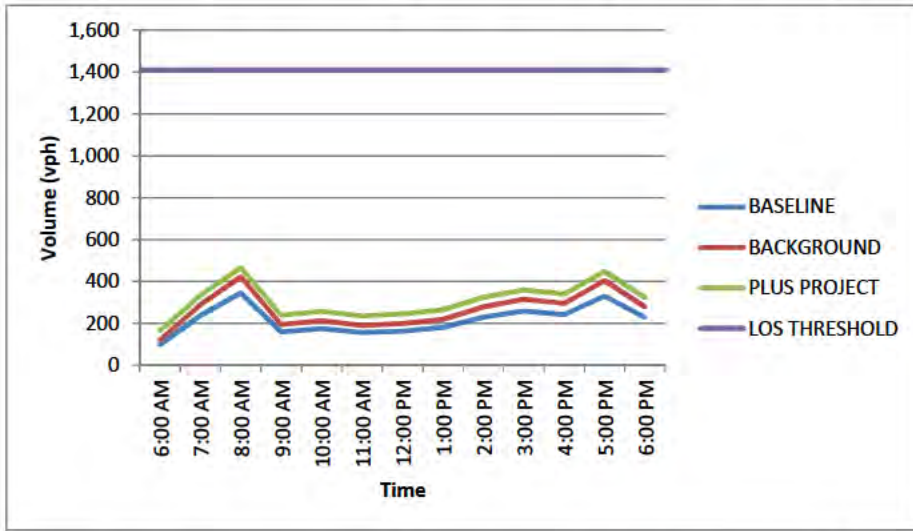
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

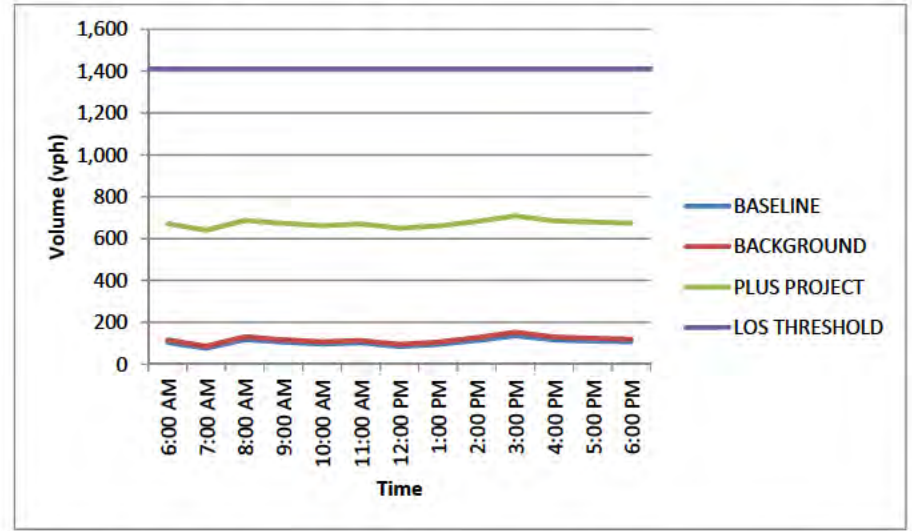


Modified Pipeline / Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

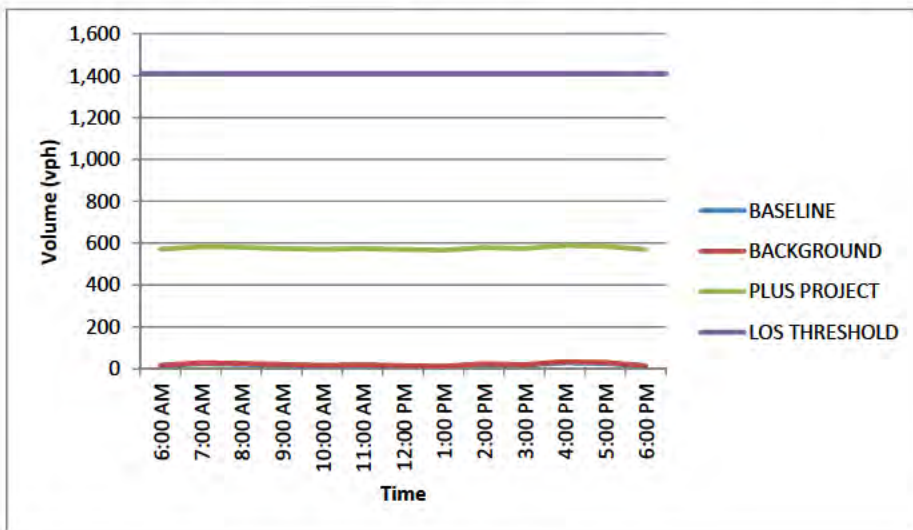
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



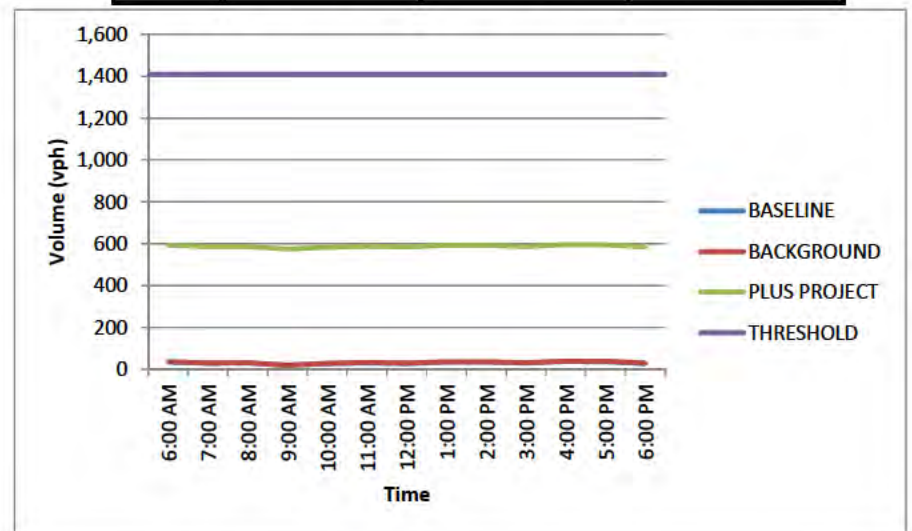
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd



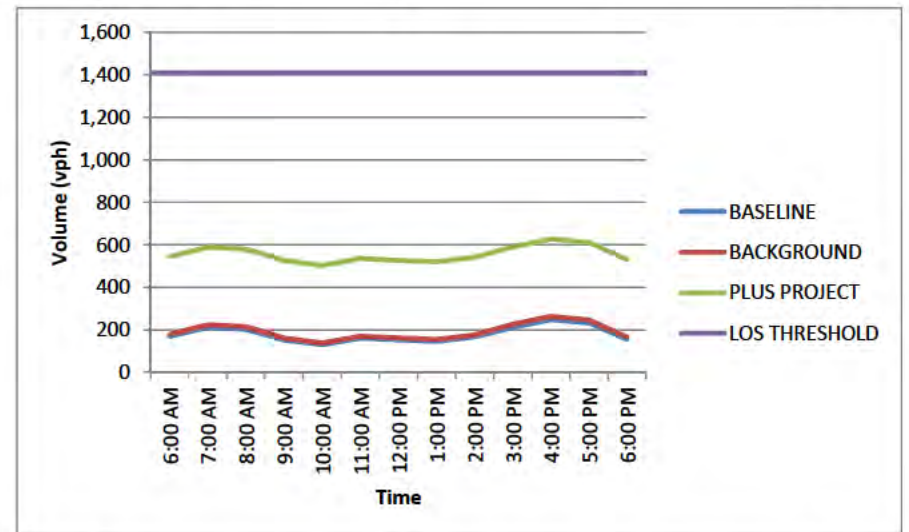
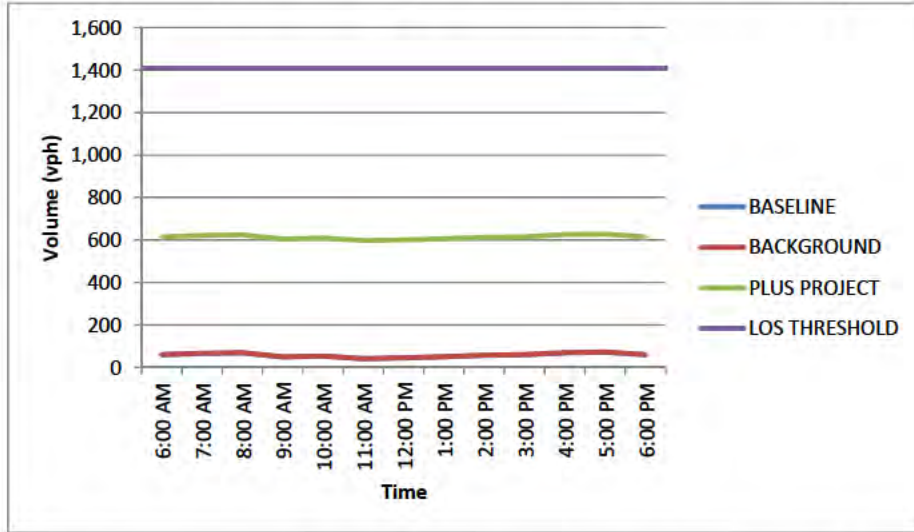
ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd



Modified Pipeline / Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

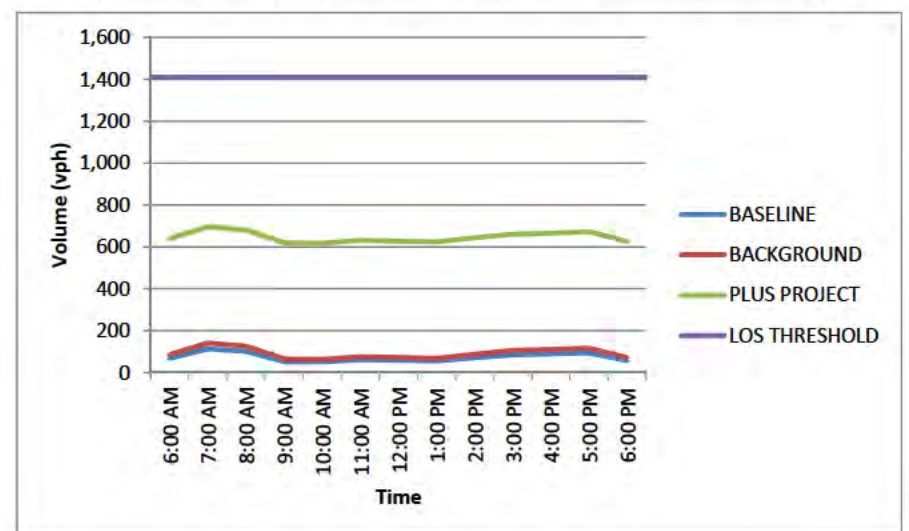
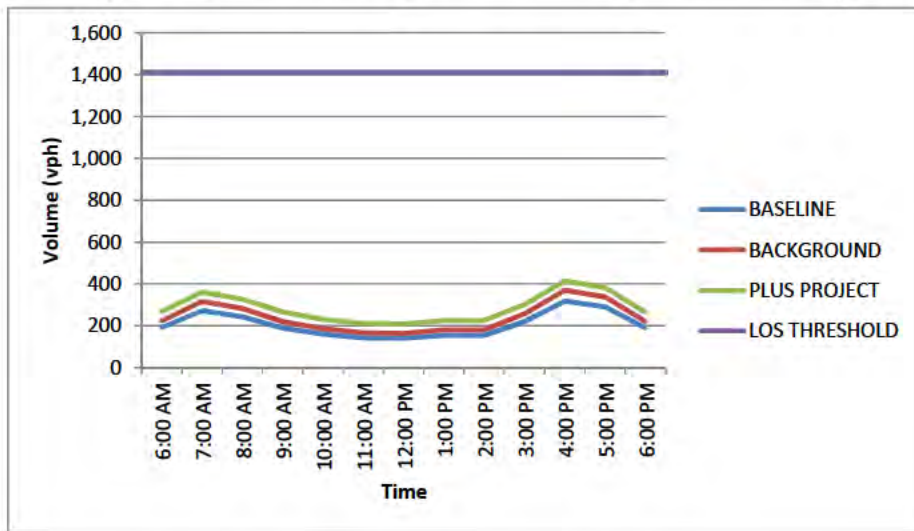
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd

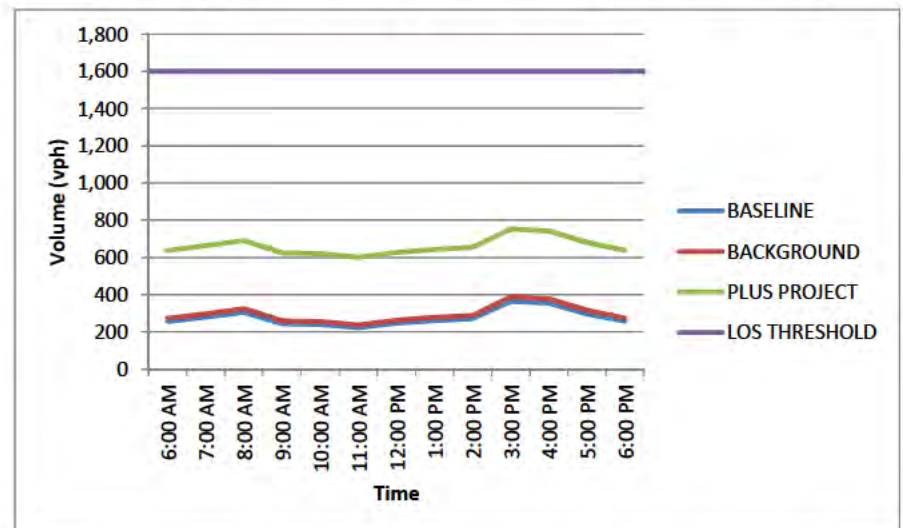
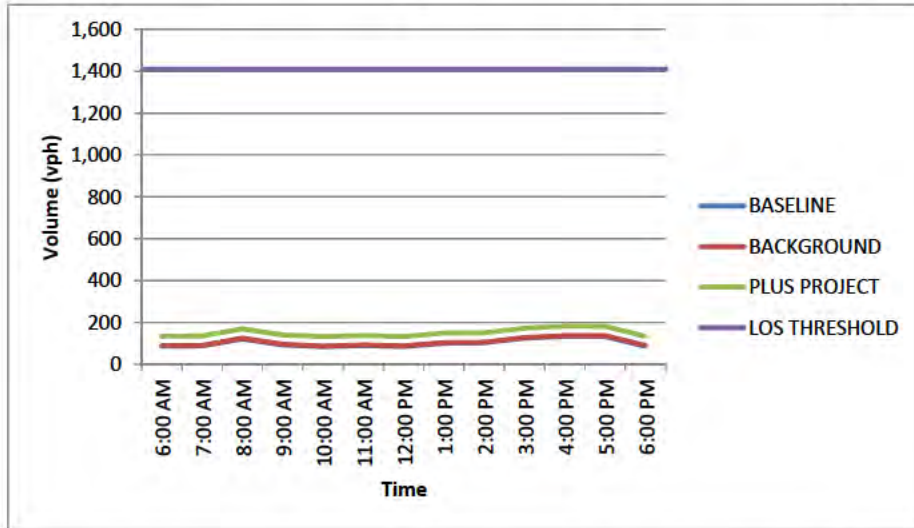
ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge



Modified Pipeline / Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

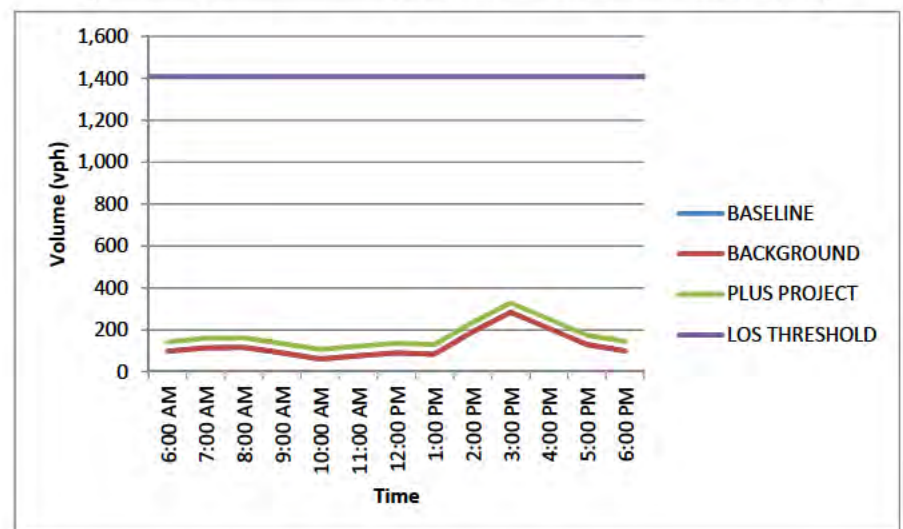
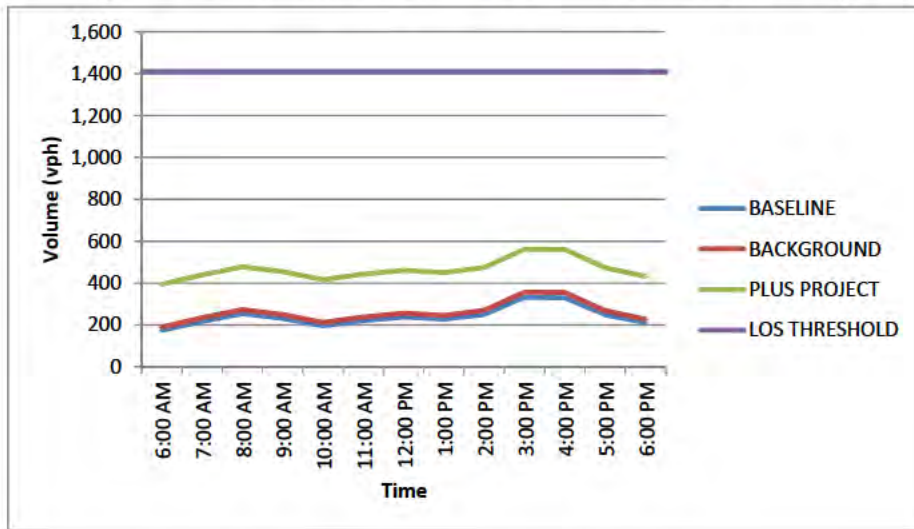
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

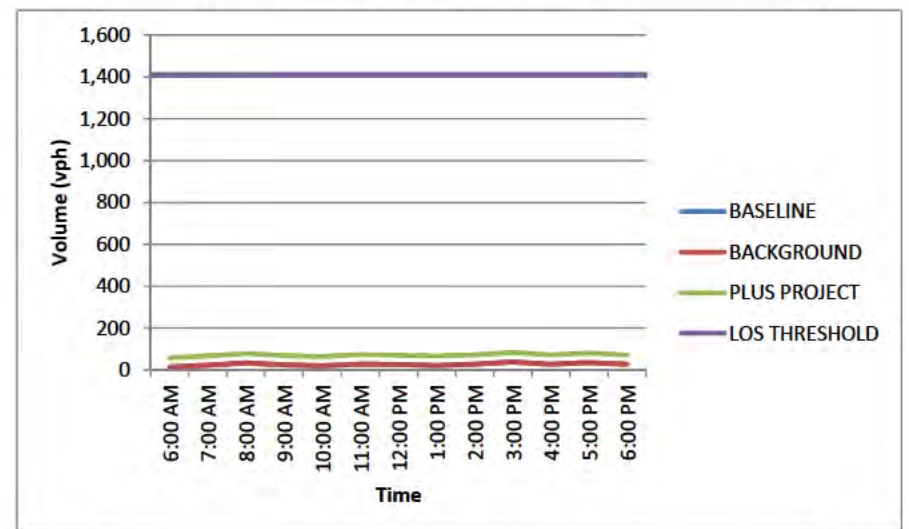
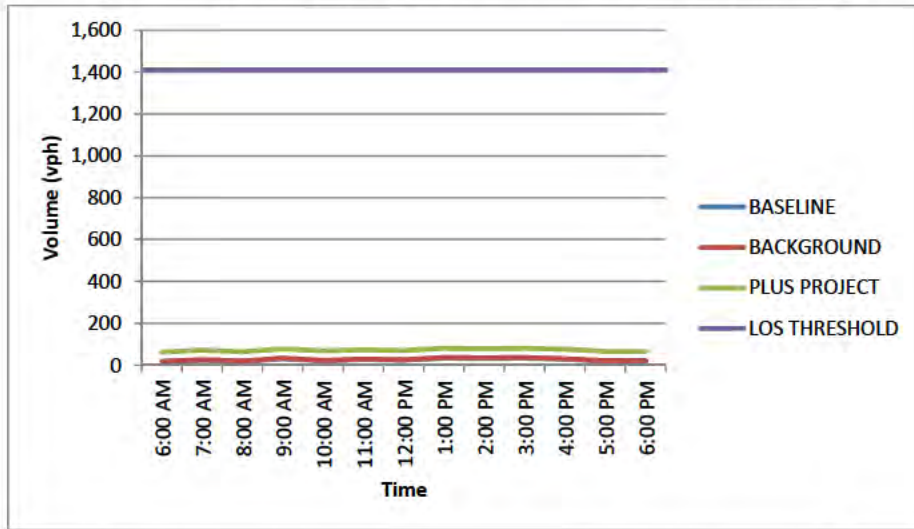
ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge



Modified Pipeline / Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

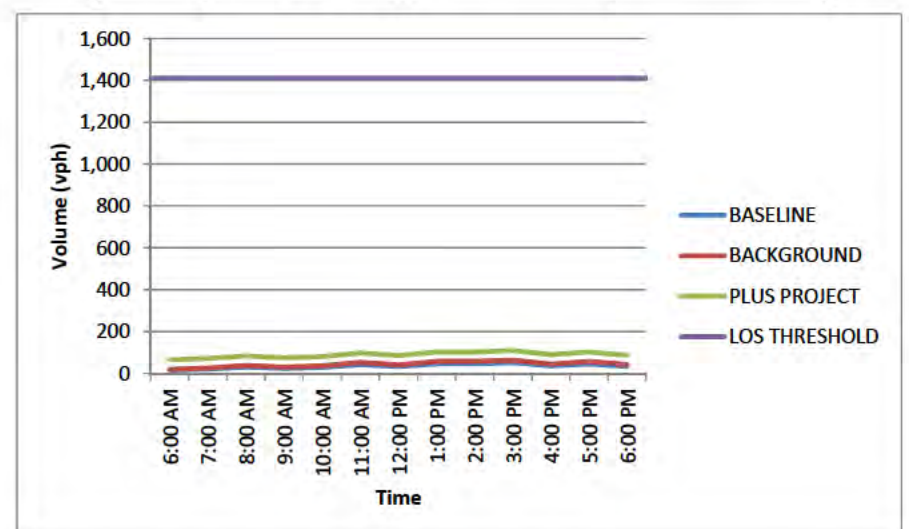
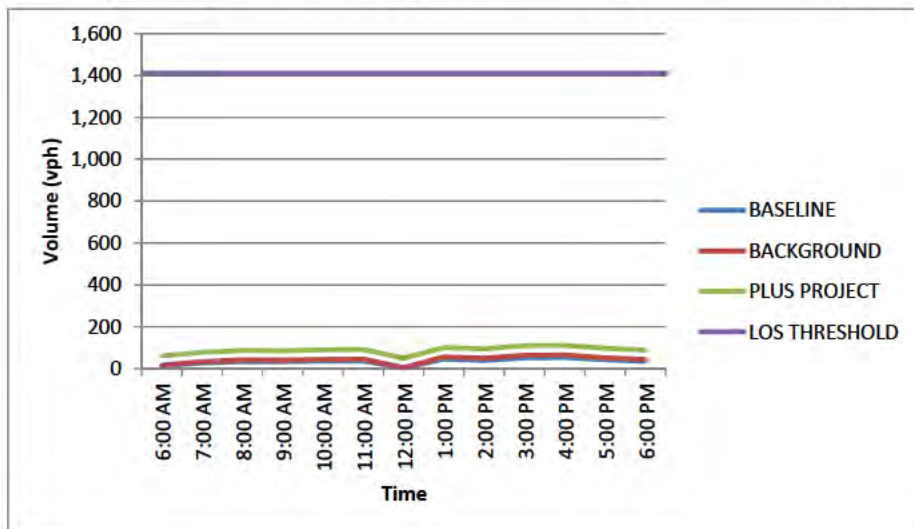
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island

ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



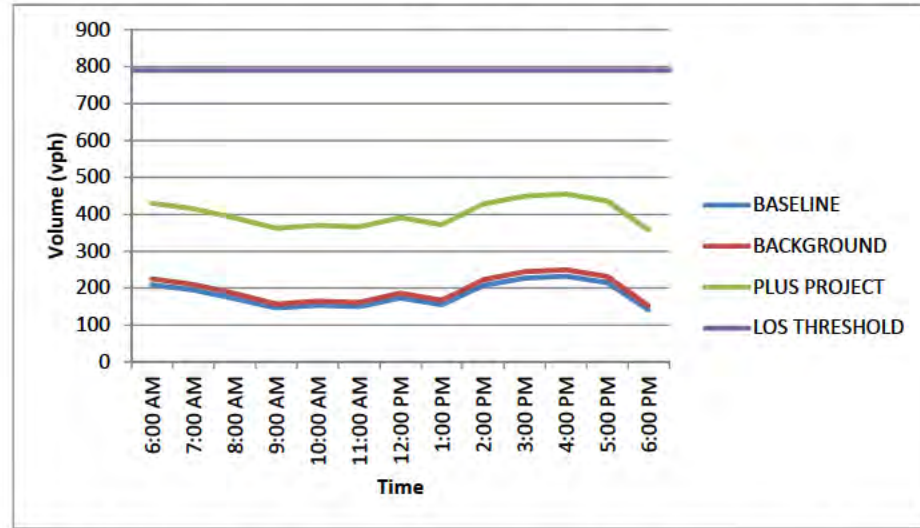
ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

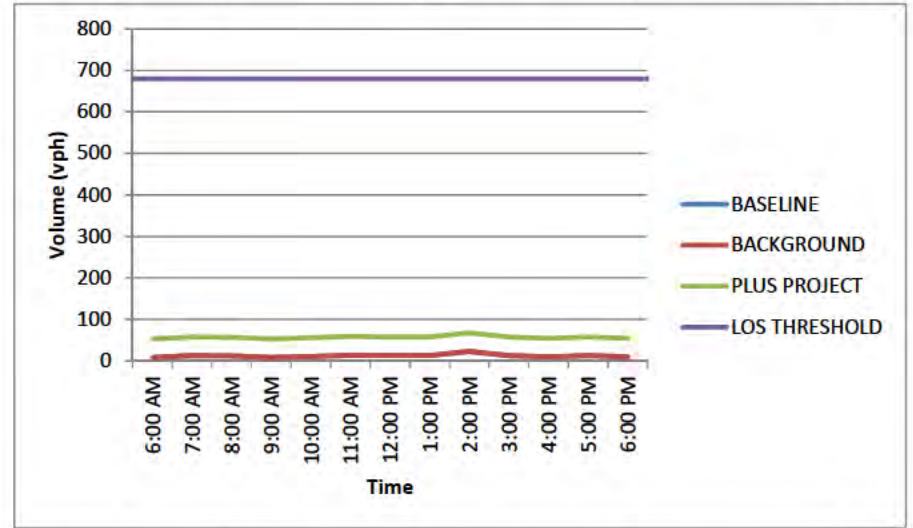


Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - San Joaquin County

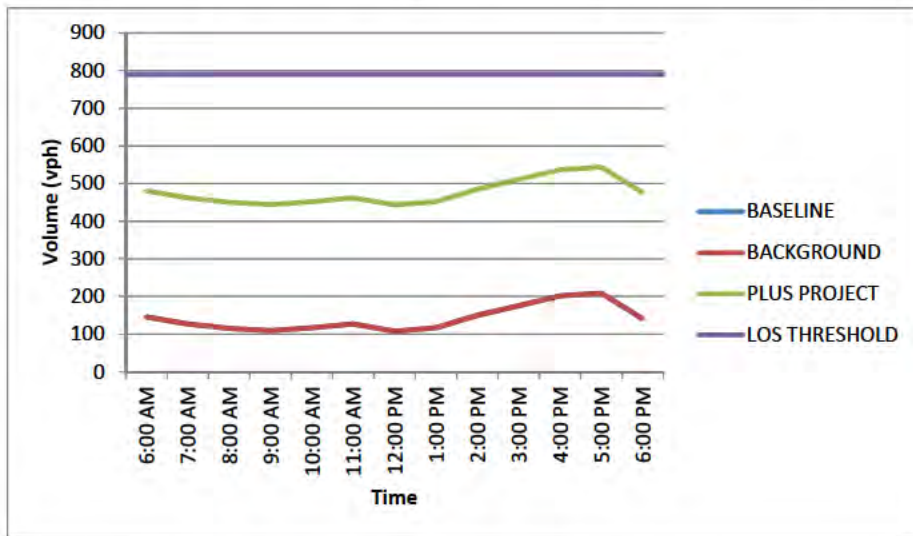
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



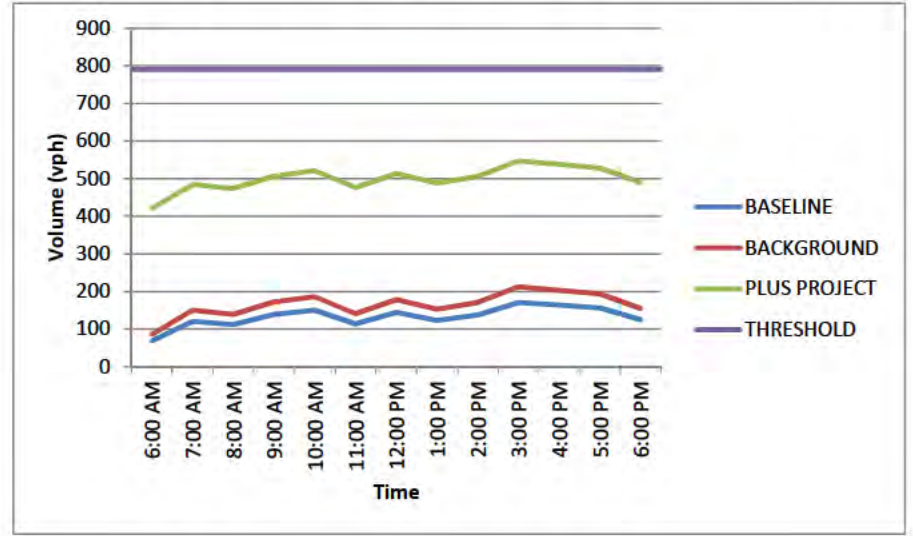
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

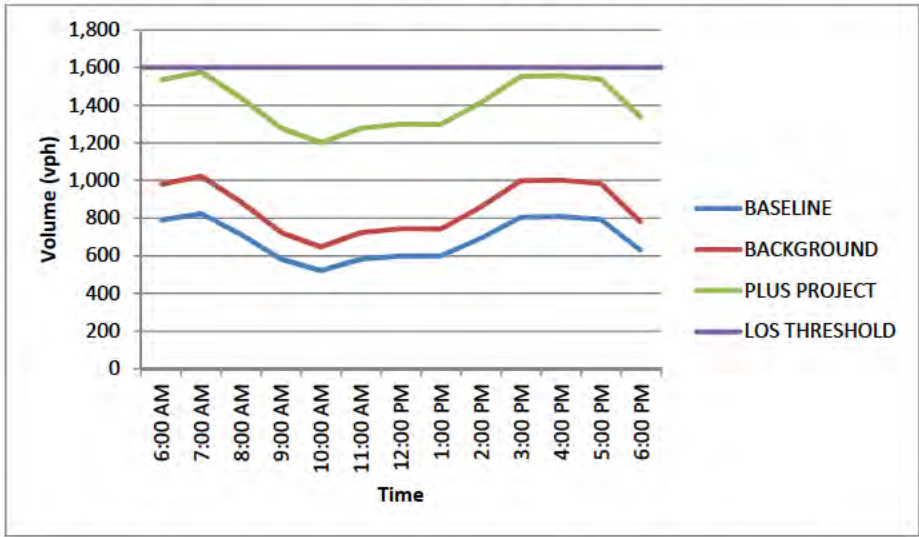


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

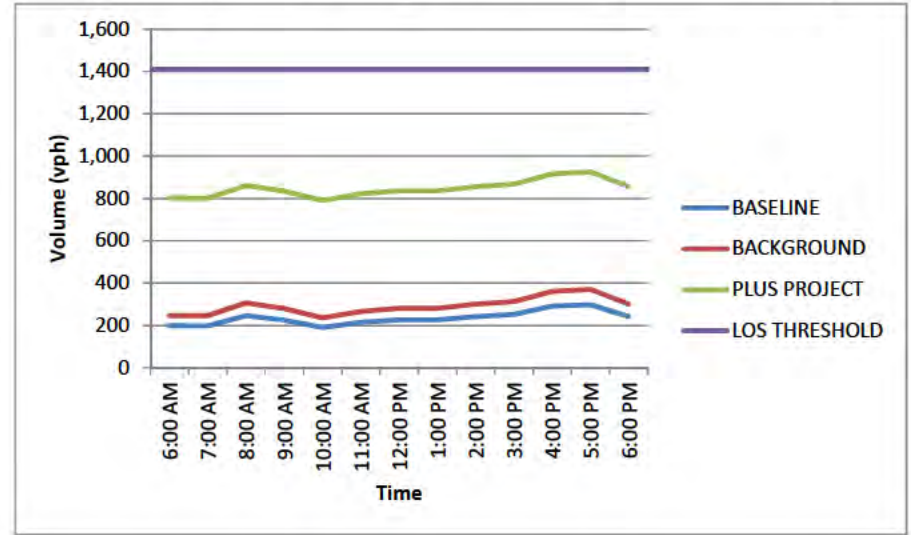


Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

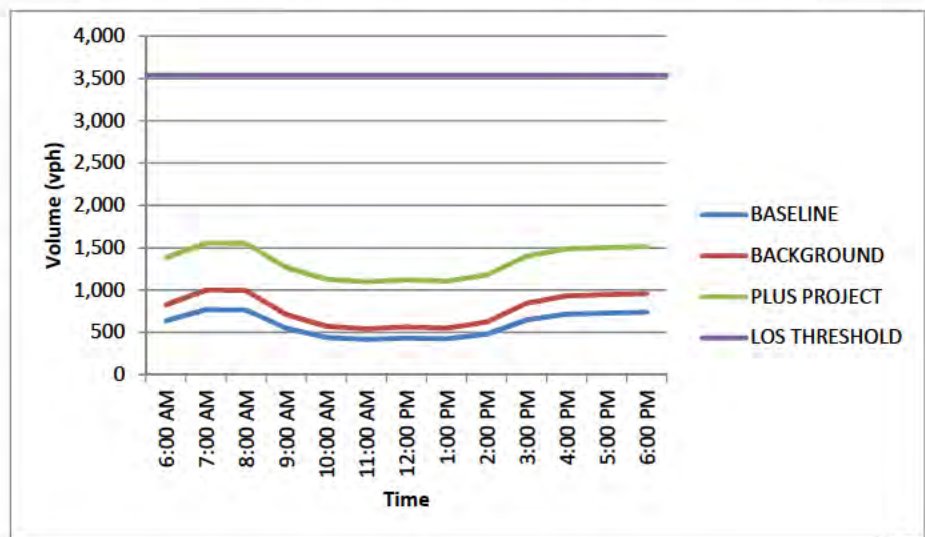
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

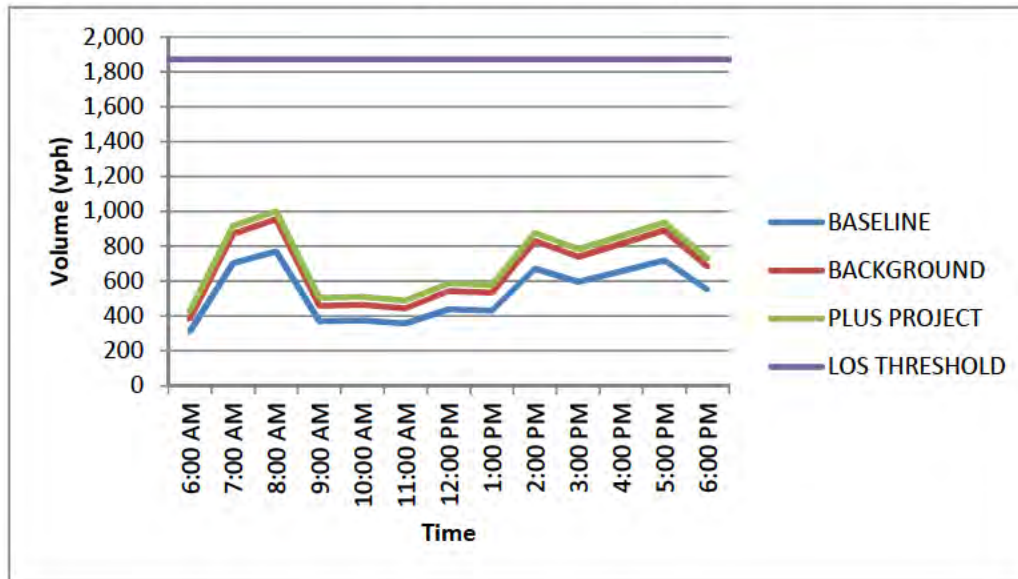


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



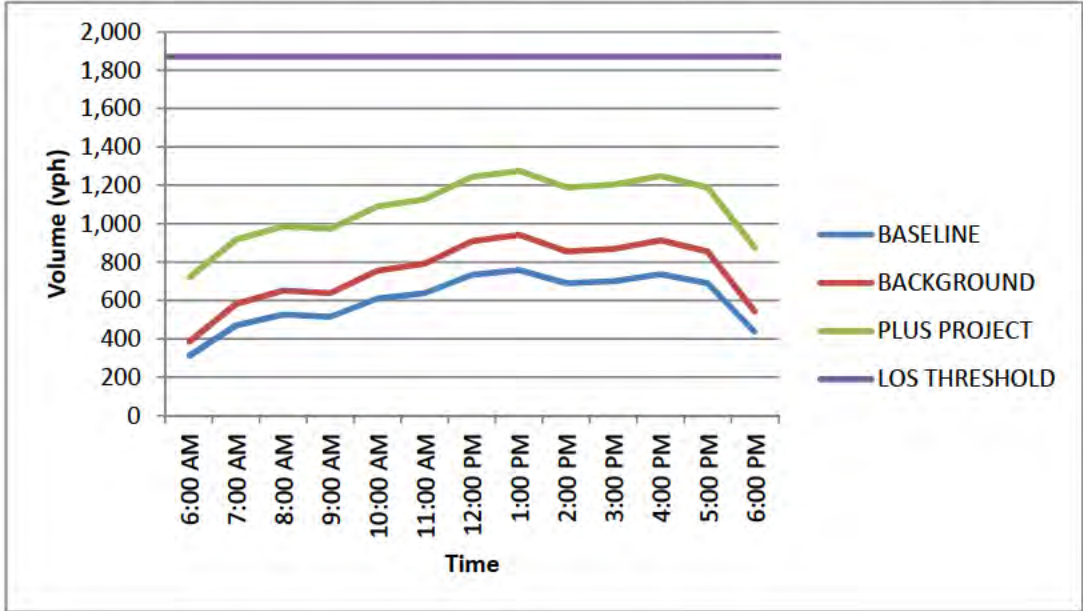
Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



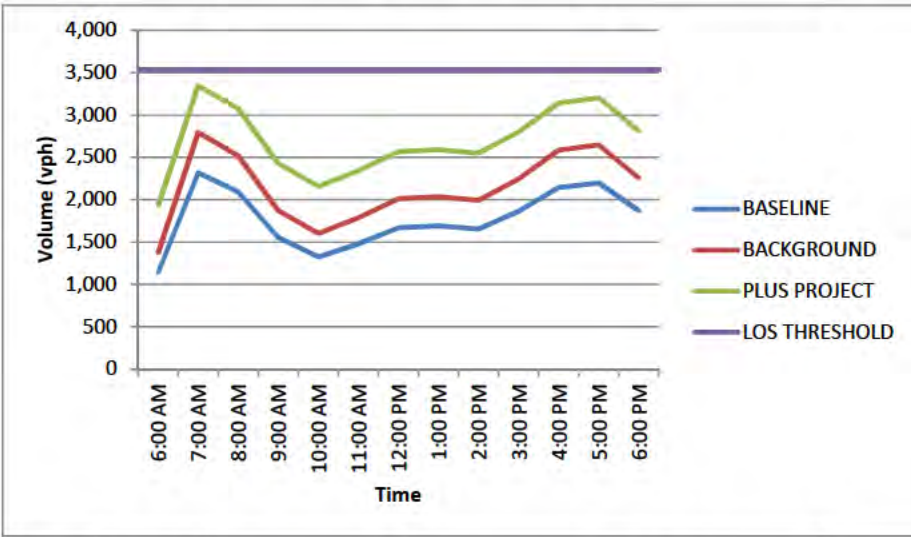
Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - City of Tracy

ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205

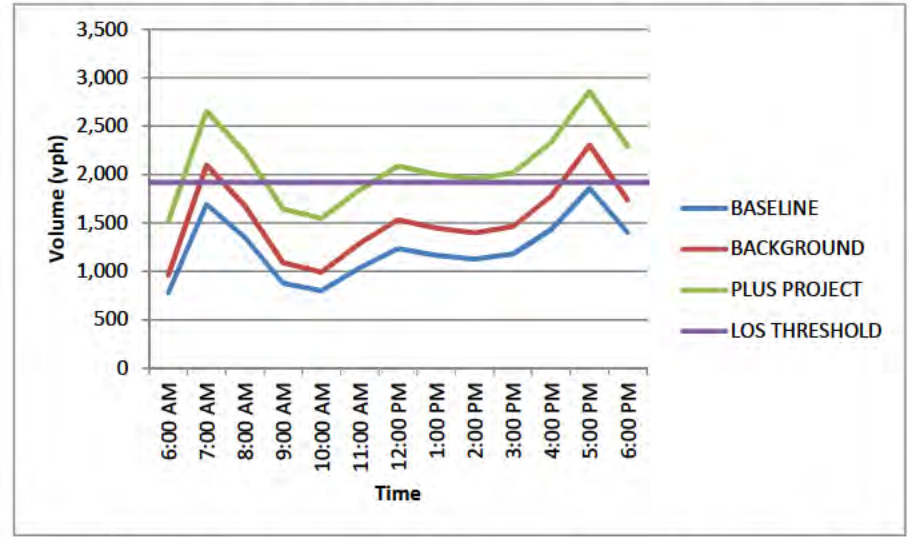


Modified Pipeline/Tunnel Alternative 5A
 Hourly Roadway Volumes and LOS Threshold - West Sacramento

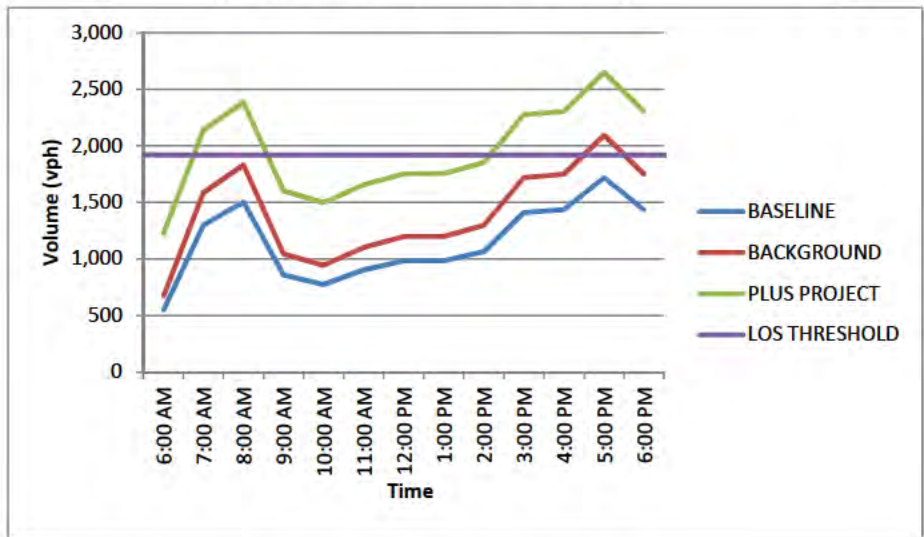
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50



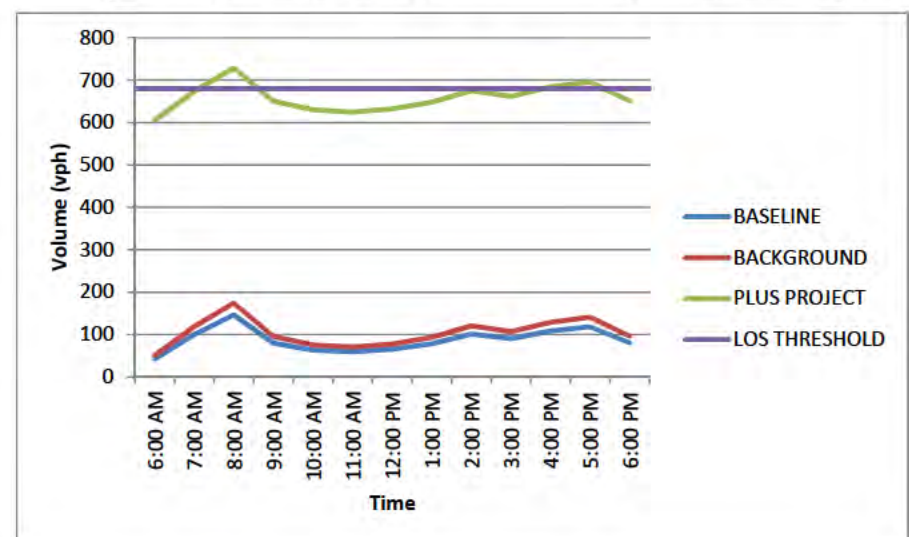
ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy



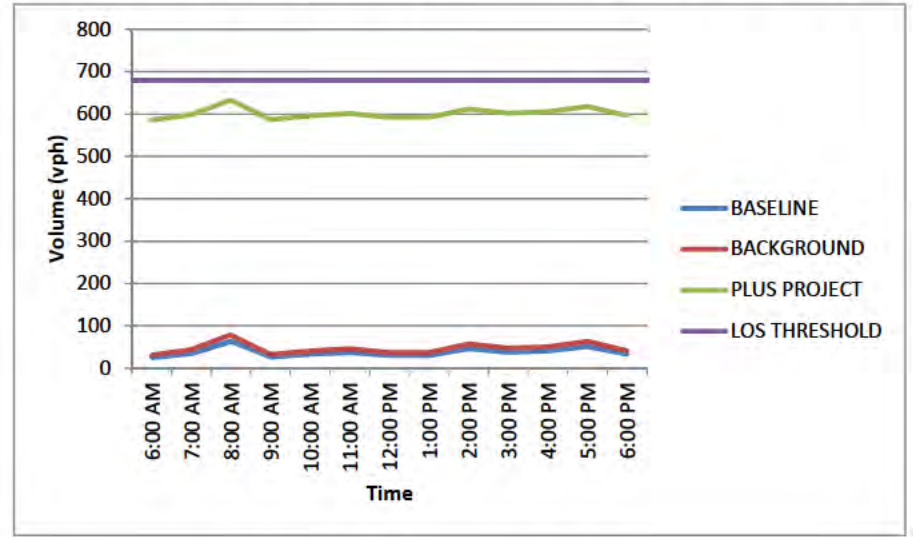
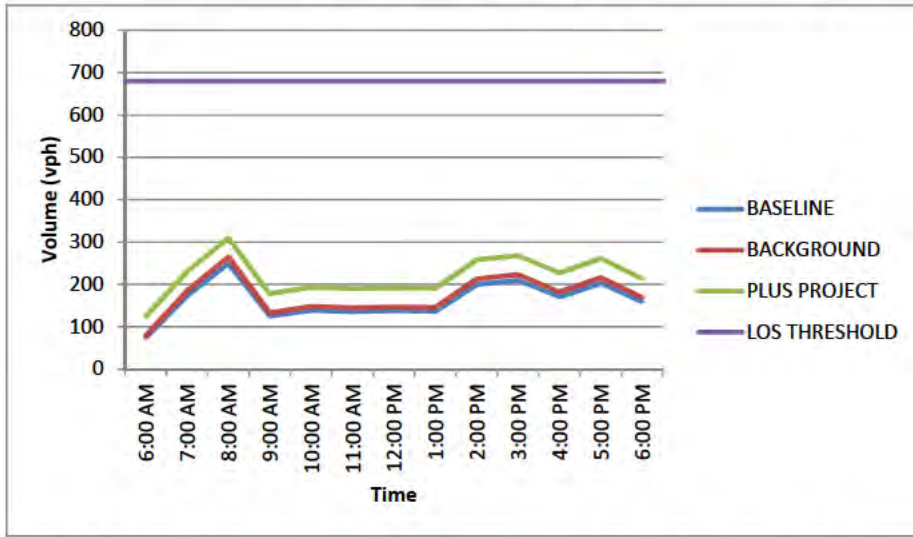
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



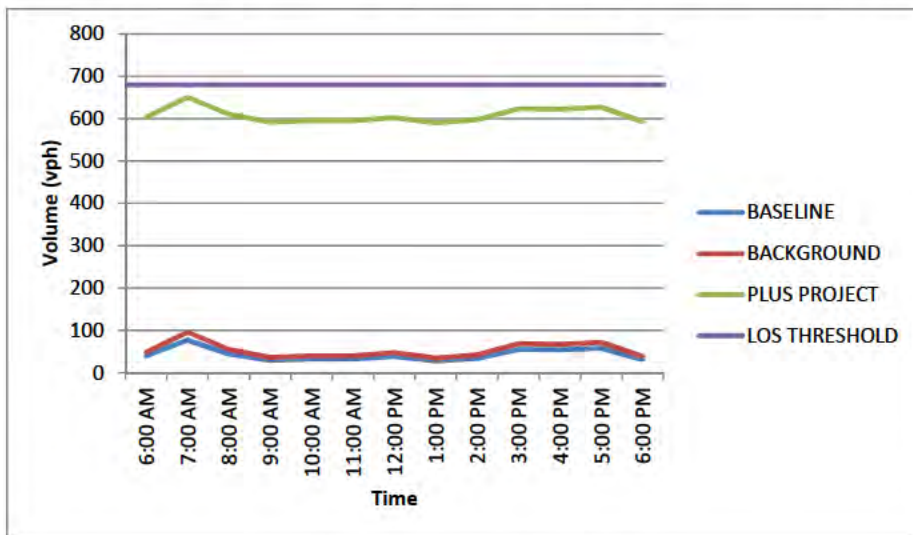
Modified Pipeline/Tunnel Alternative 5A
Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd



1
2
3

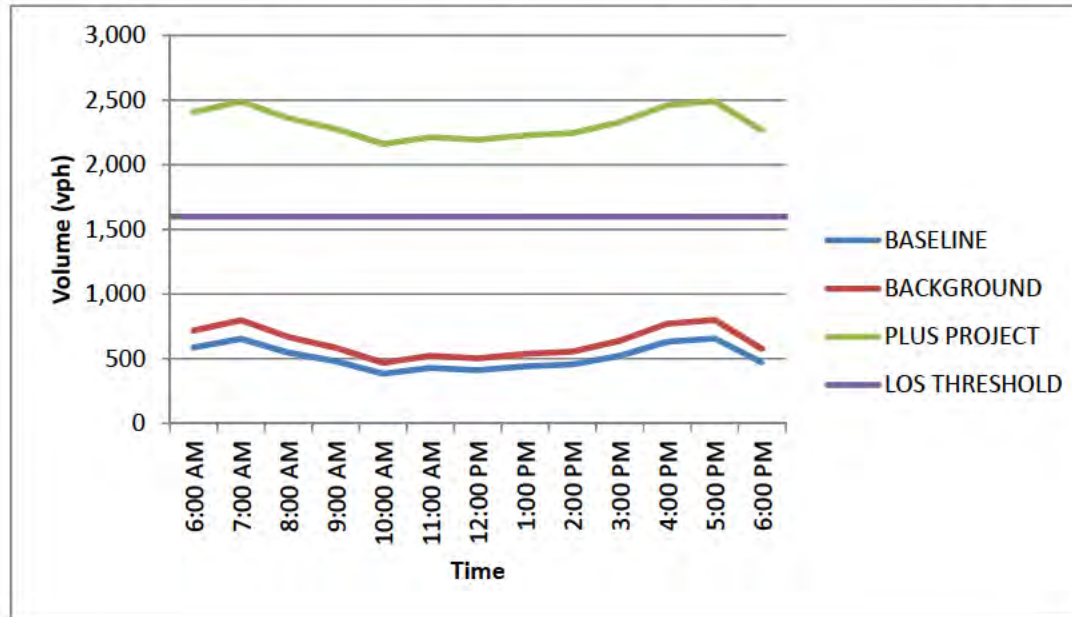
Through Delta/Separate Corridors Alternative 9 Hourly Roadway Volumes and LOS Threshold Charts

4 Chart Notes:

- 5
- For roadway segments with no growth in background traffic, the “Background” traffic volume is equal to the “Baseline” traffic volume.
- 6
- For roadway segments not anticipated to carry construction trips, the “Plus Project” traffic volume is equal to the “Baseline” and “Background” traffic volumes.
- 7
- 8

Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold
 Alameda County

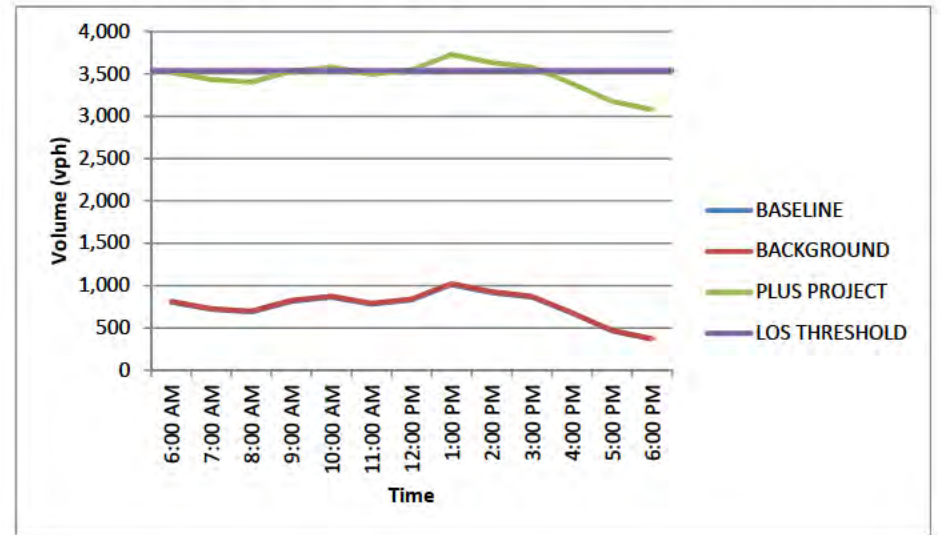
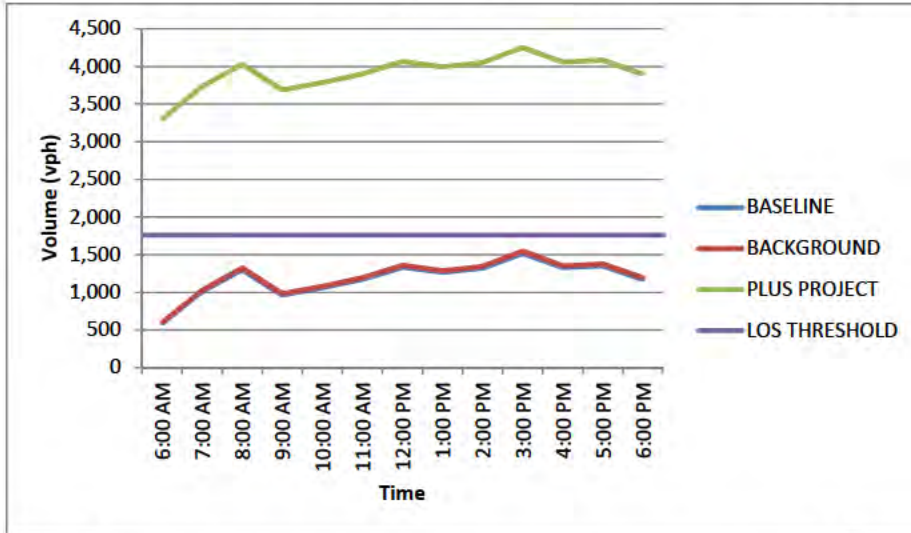
ID	Roadway	Segment	
		From	To
ALA 01	Byron Hwy	Contra Costa Co./Alameda Co.	Alameda Co./San Joaquin Co. Line



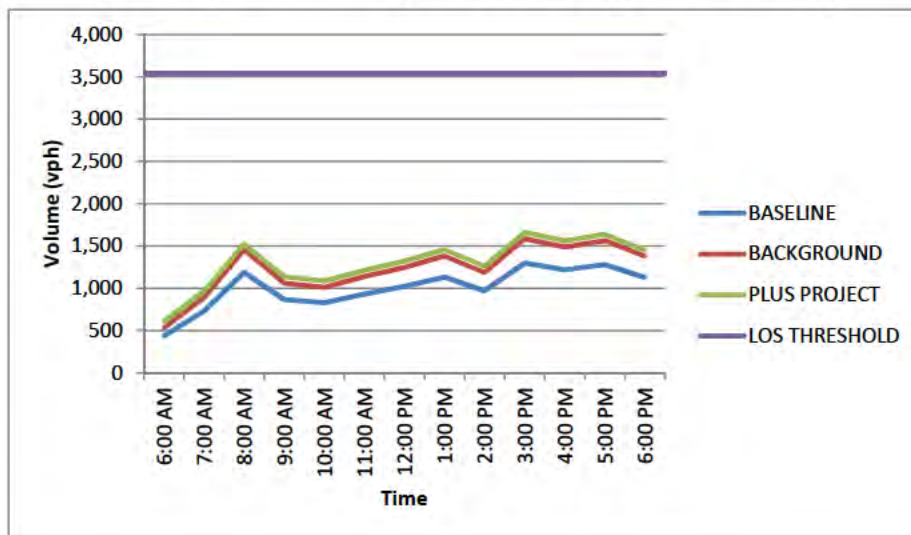
Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - City of Brentwood

ID	Roadway	Segment	
		From	To
BRE 01	Brentwood Blvd (Old SR 4)	Delta Rd (Oakley City Limits)	Balfour Rd

ID	Roadway	Segment	
		From	To
BRE 02	Brentwood Blvd (Old SR 4)	Balfour Rd	Brentwood City Limits (South)



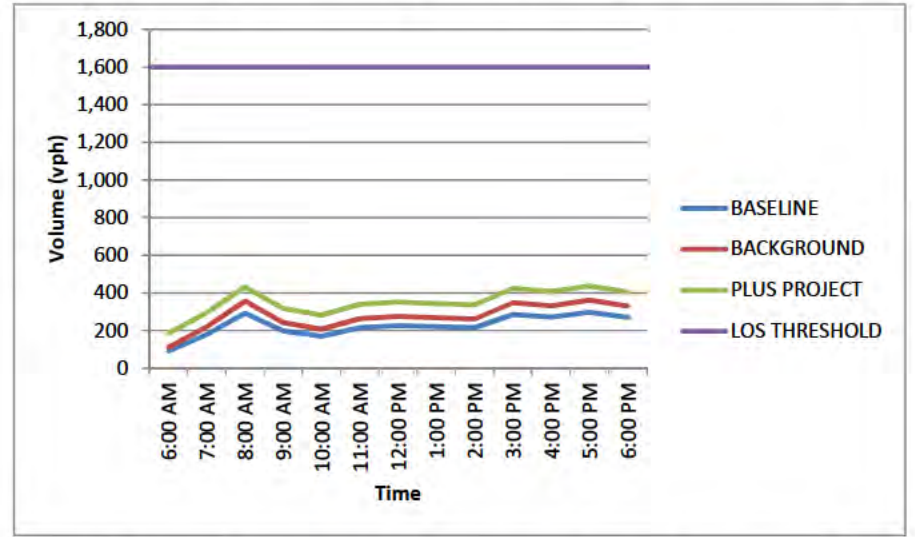
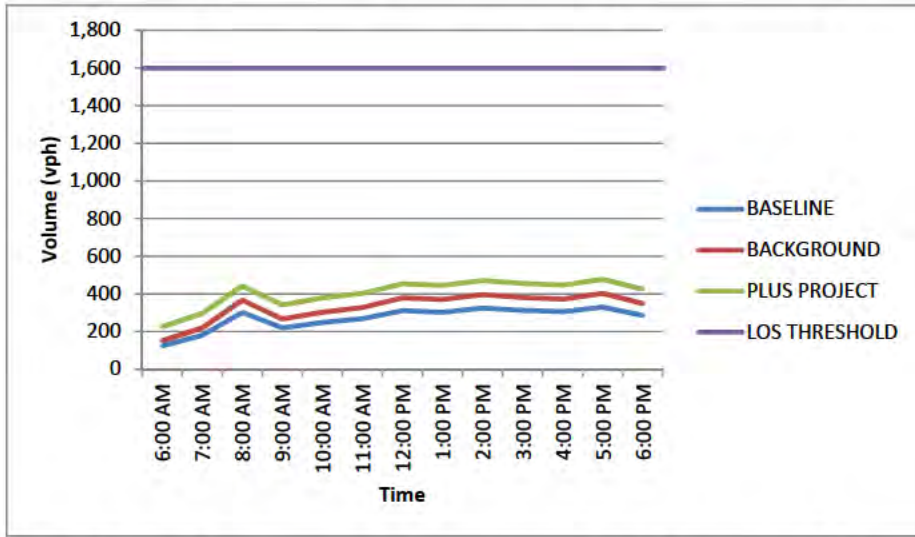
ID	Roadway	Segment	
		From	To
BRE 03	Balfour Rd	Brentwood Blvd (Old SR 4)	Brentwood City Limits



Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Contra Costa County

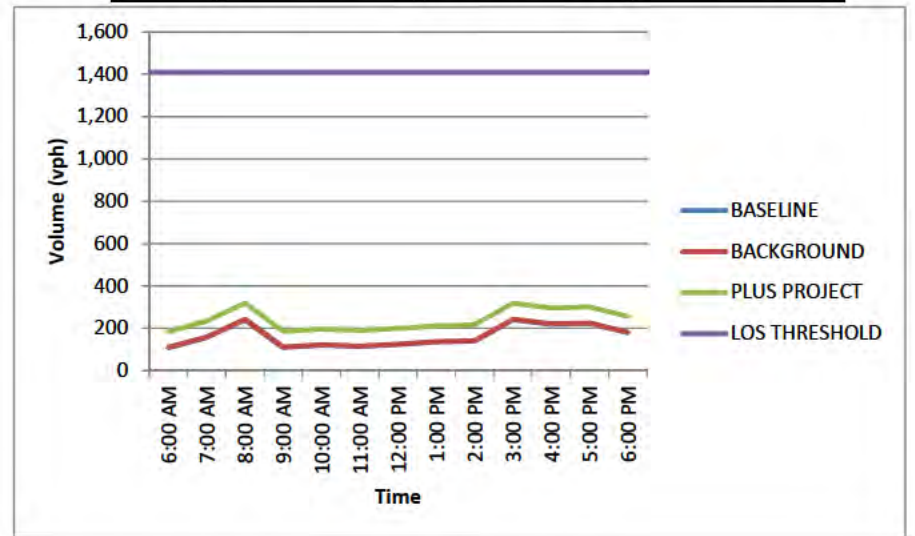
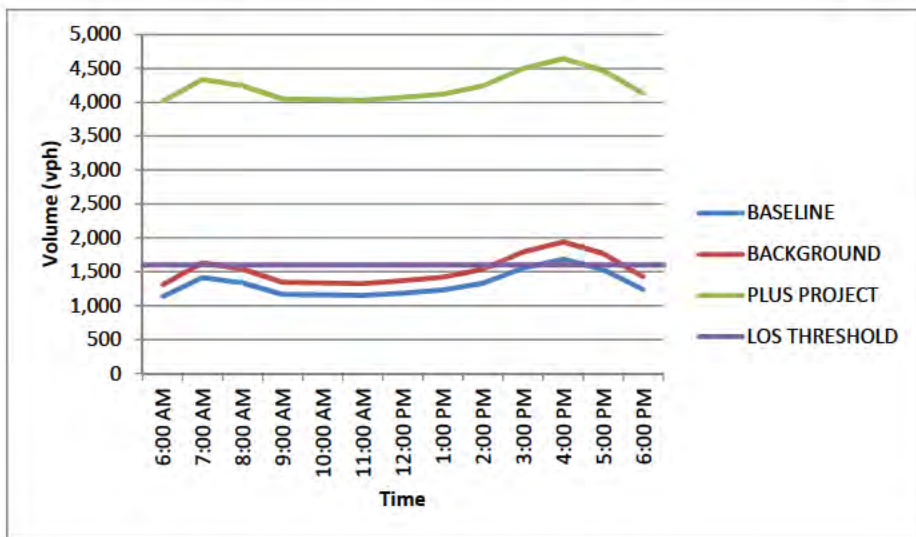
ID	Roadway	Segment	
		From	To
CC 01	Bethel Island Rd	Oakley City Limits	End

ID	Roadway	Segment	
		From	To
CC 02	Balfour Rd	Brentwood City Limits	Byron Hwy



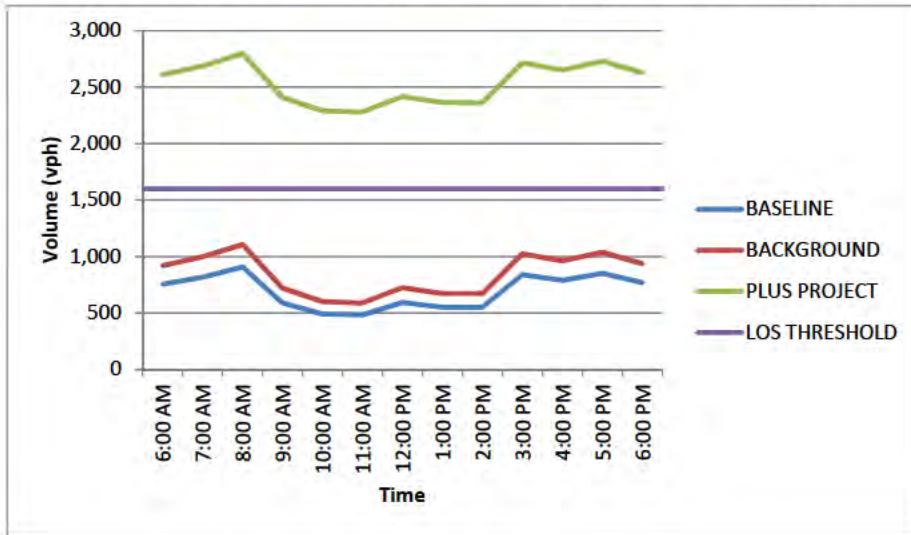
ID	Roadway	Segment	
		From	To
CC 03	Old SR 4	Brentwood City Limits (South)	Marsh Creek Rd

ID	Roadway	Segment	
		From	To
CC 04	Byron Hwy	Delta Rd	Old SR 4



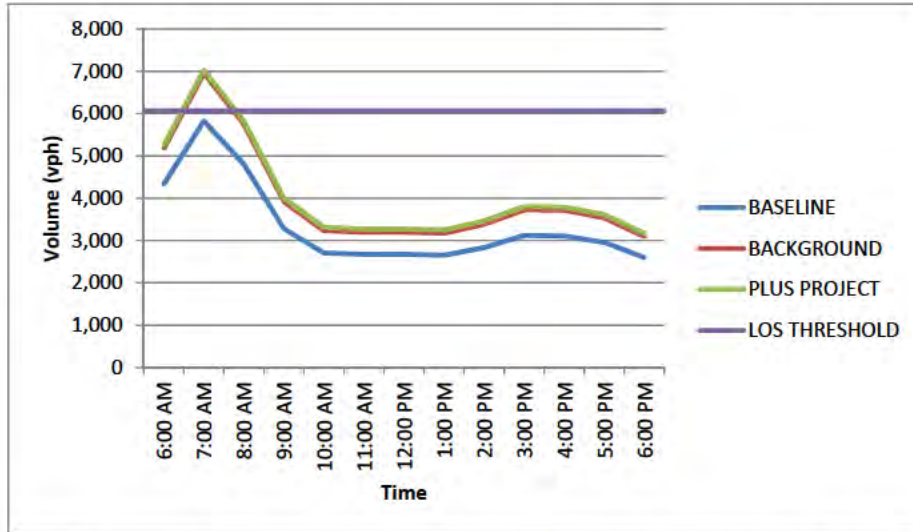
Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Contra Costa County

ID	Roadway	Segment	
		From	To
CC 05	Byron Hwy	SR 4	Contra Costa Co./Alameda Co.

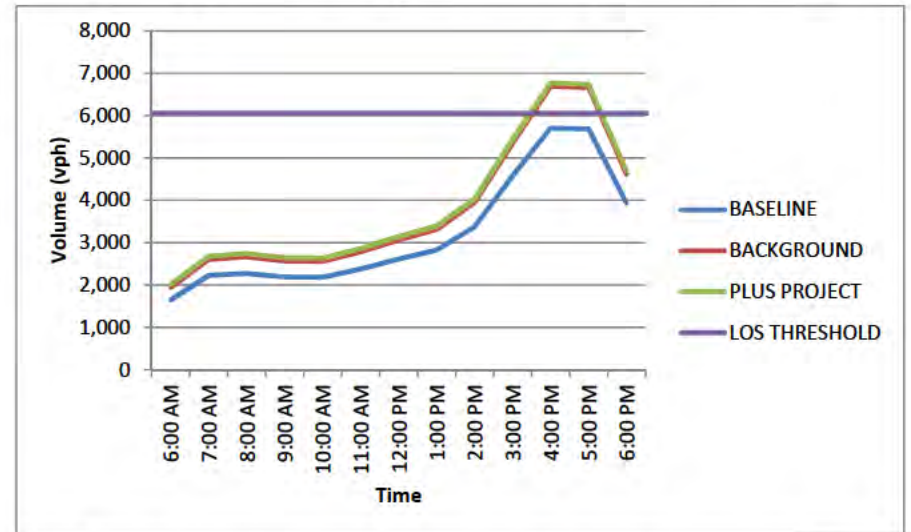


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

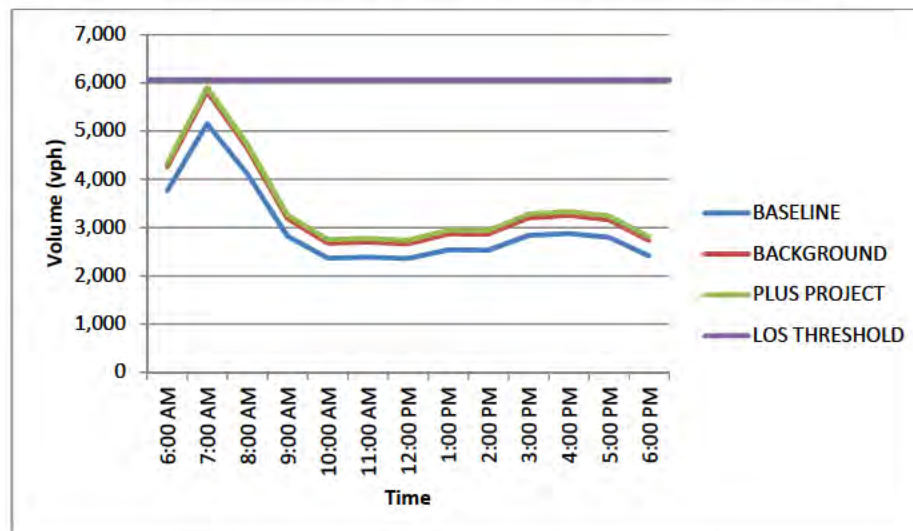
ID	Roadway	Segment	
		From	To
CT 01	I-5 NB	Pocket Rd	Florin Rd



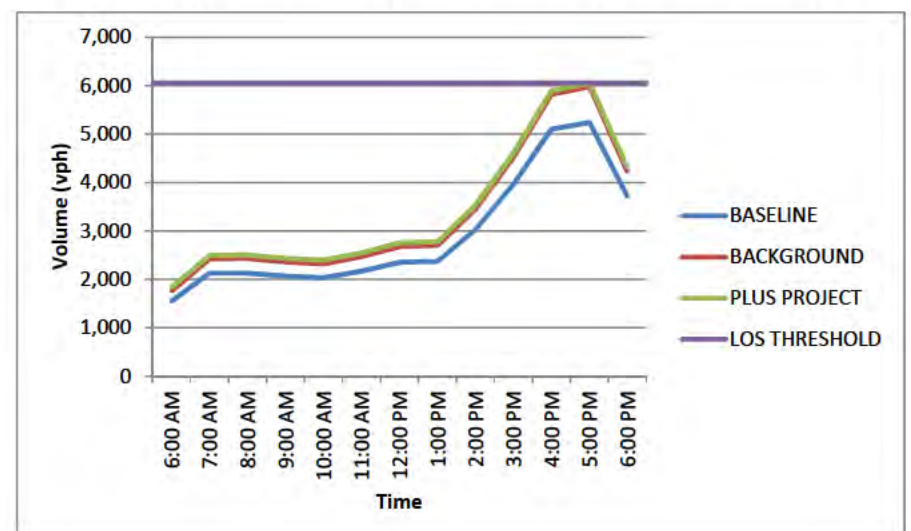
ID	Roadway	Segment	
		From	To
CT 02	I-5 SB	Florin Rd	Pocket Rd



ID	Roadway	Segment	
		From	To
CT 03	I-5 NB	Laguna Blvd	Pocket Rd

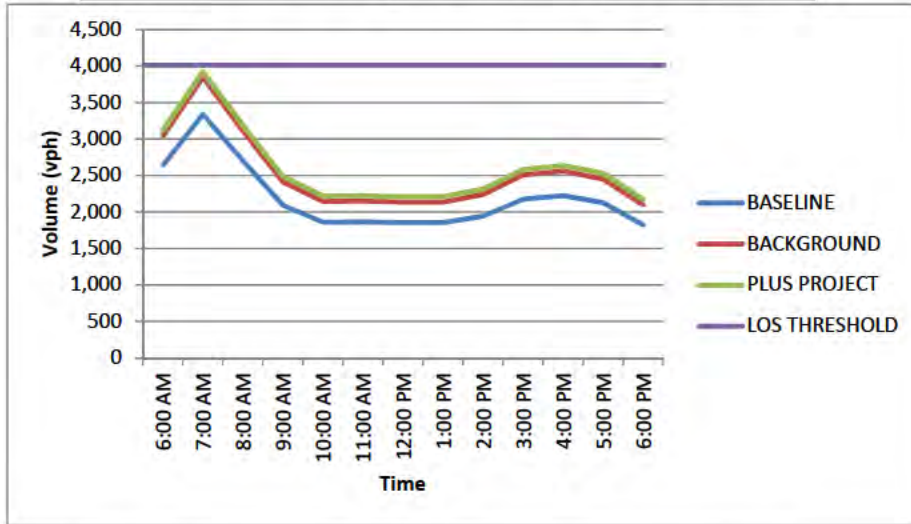


ID	Roadway	Segment	
		From	To
CT 04	I-5 SB	Pocket Rd	Laguna Blvd

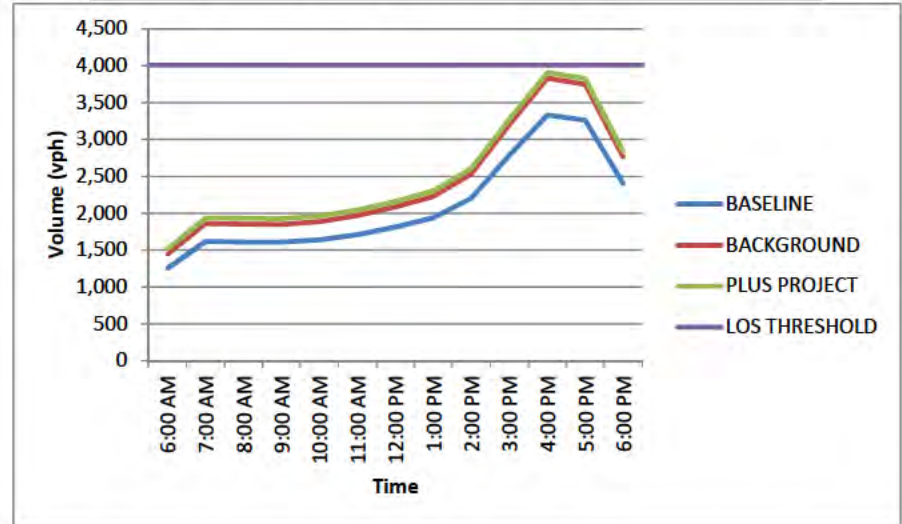


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

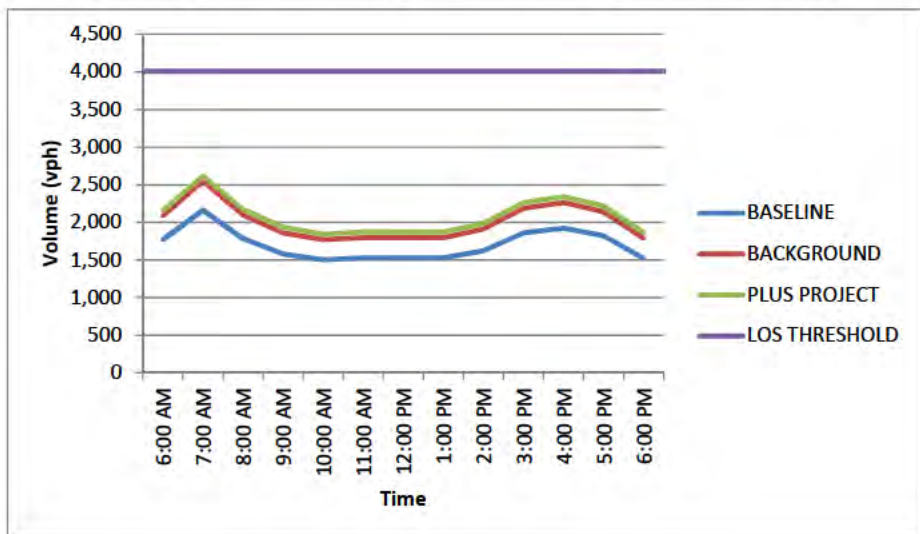
ID	Roadway	Segment	
		From	To
CT 05	I-5 NB	Elk Grove Blvd	Laguna Blvd



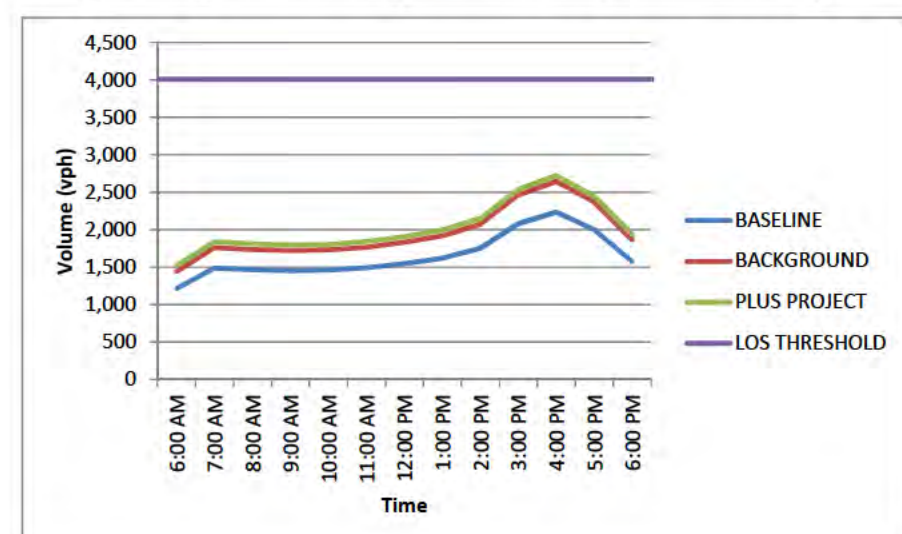
ID	Roadway	Segment	
		From	To
CT 06	I-5 SB	Laguna Blvd	Elk Grove Blvd



ID	Roadway	Segment	
		From	To
CT 07	I-5 NB	Hood Franklin Rd	Elk Grove Blvd



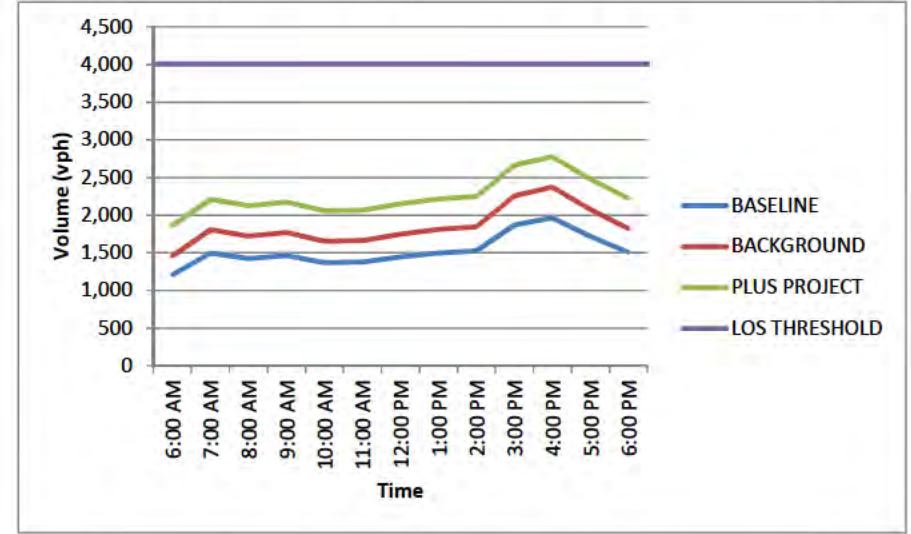
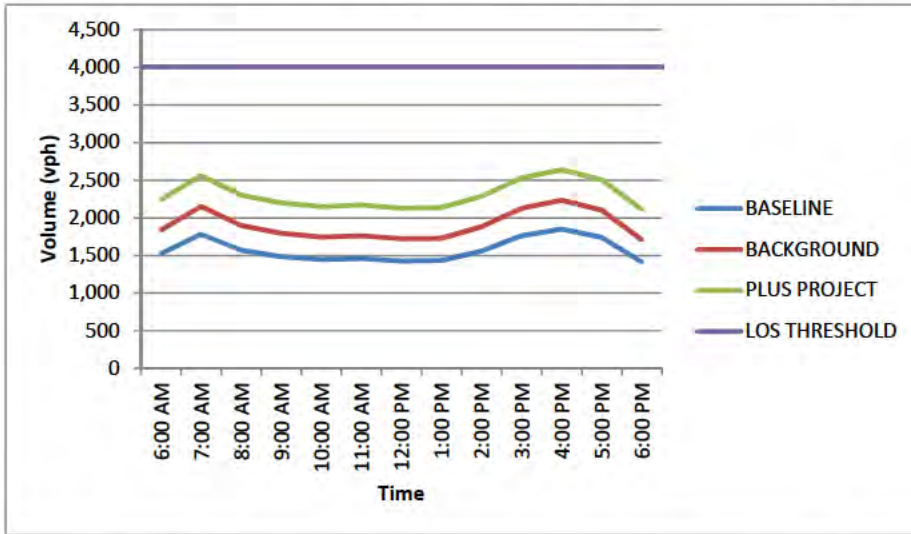
ID	Roadway	Segment	
		From	To
CT 08	I-5 SB	Elk Grove Blvd	Hood Franklin Rd



Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

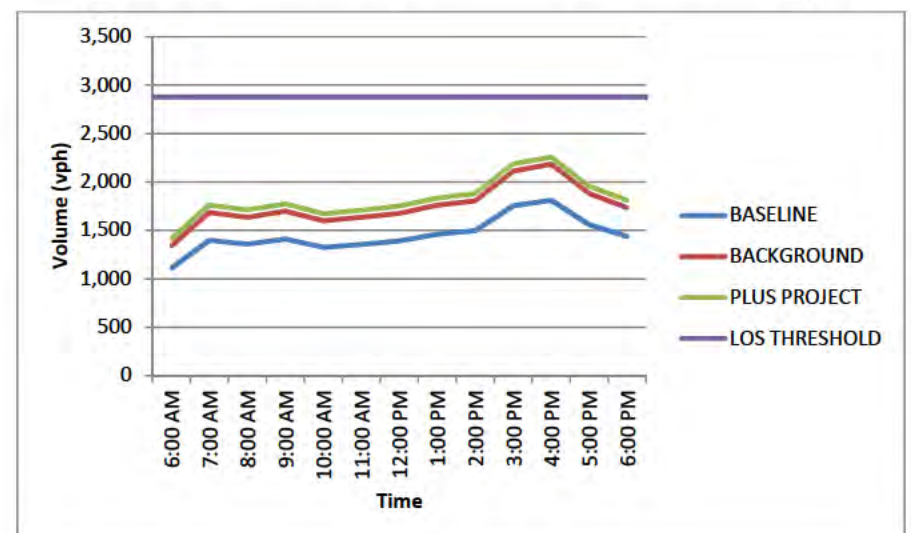
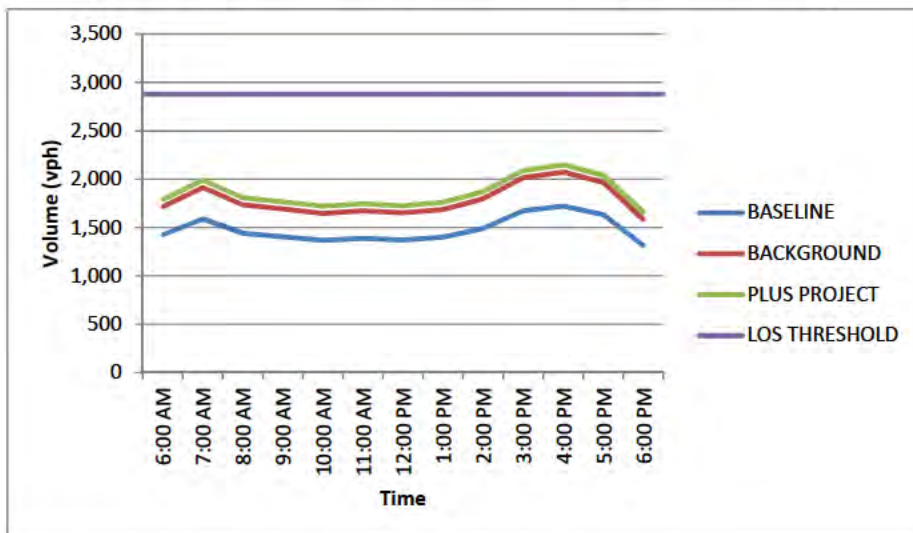
ID	Roadway	Segment	
		From	To
CT 09	I-5 NB	Twin Cities Rd	Hood Franklin Rd

ID	Roadway	Segment	
		From	To
CT 10	I-5 SB	Hood Franklin Rd	Twin Cities Rd



ID	Roadway	Segment	
		From	To
CT 11	I-5 NB	Walnut Grove Rd	Twin Cities Rd

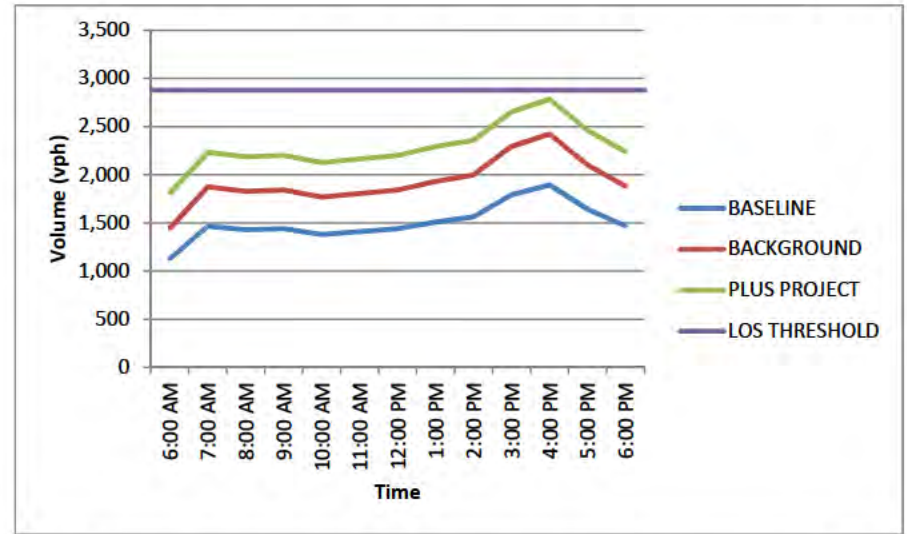
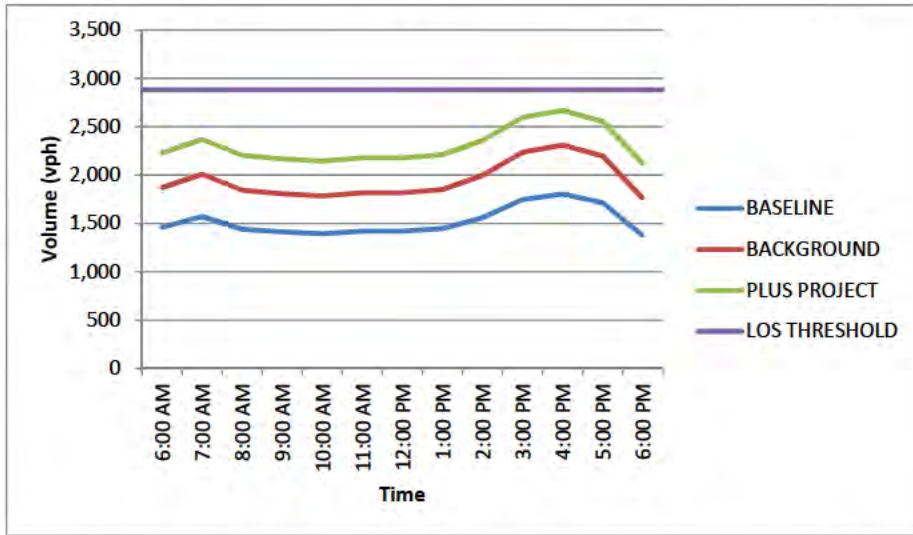
ID	Roadway	Segment	
		From	To
CT 12	I-5 SB	Twin Cities Rd	Walnut Grove Rd



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Caltrans

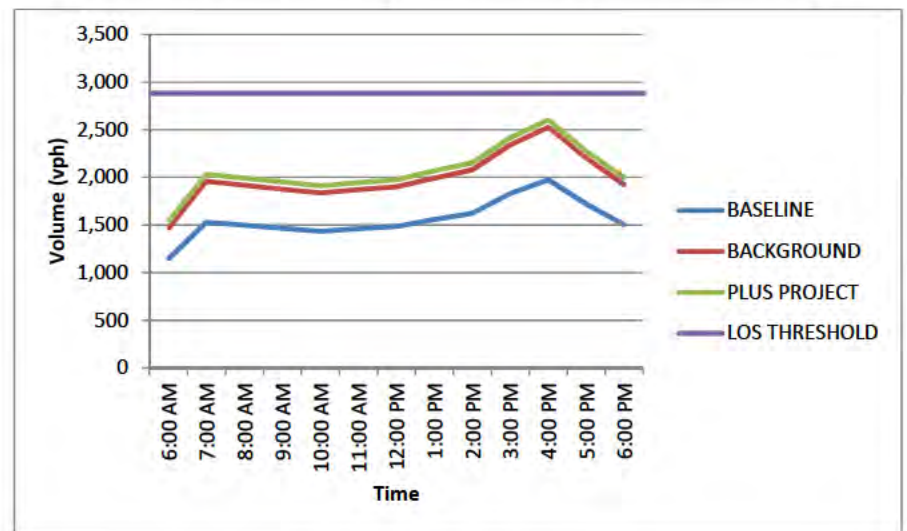
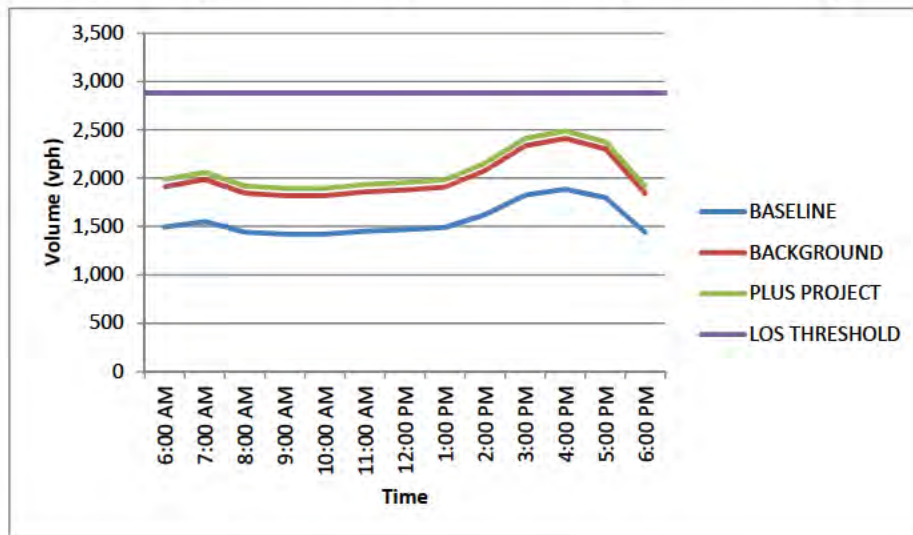
ID	Roadway	Segment	
		From	To
CT 13	I-5 NB	Peltier Rd	Walnut Grove Rd

ID	Roadway	Segment	
		From	To
CT 14	I-5 SB	Walnut Grove Rd	Peltier Rd



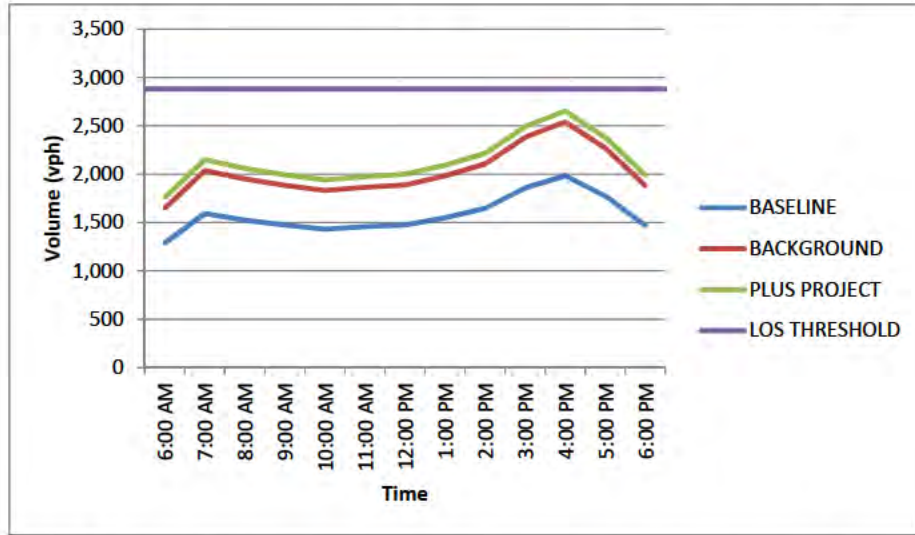
ID	Roadway	Segment	
		From	To
CT 15	I-5 NB	Turner Rd	Peltier Rd

ID	Roadway	Segment	
		From	To
CT 16	I-5 SB	Peltier Rd	Turner Rd

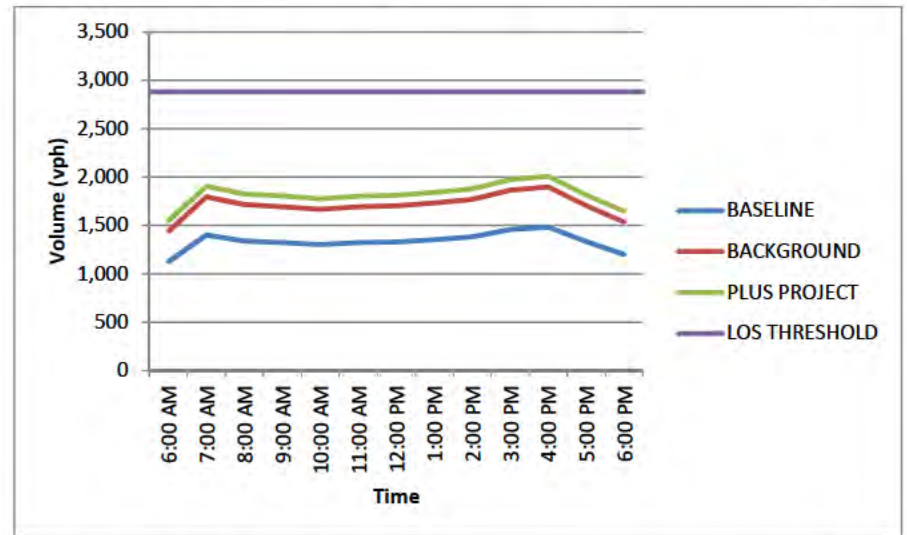


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

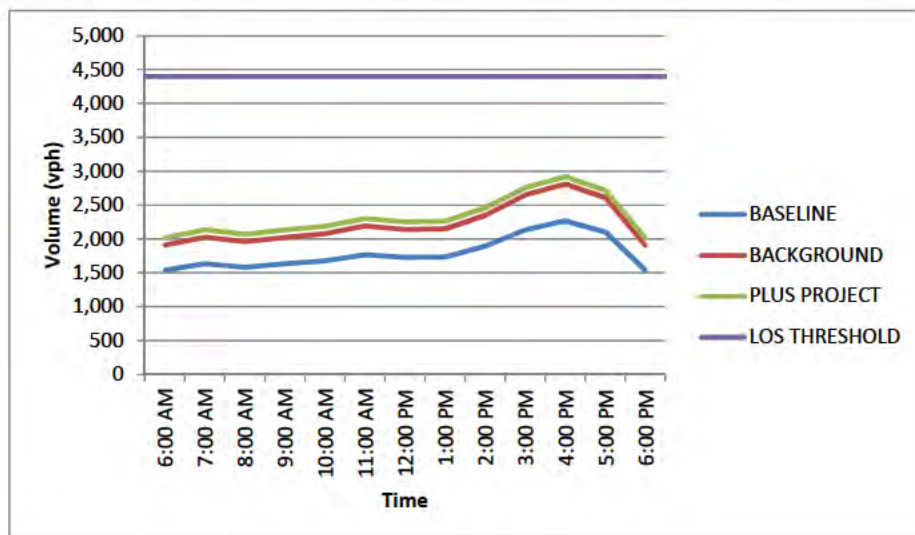
ID	Roadway	Segment	
		From	To
CT 17	I-5 NB	SR 12	Turner Rd



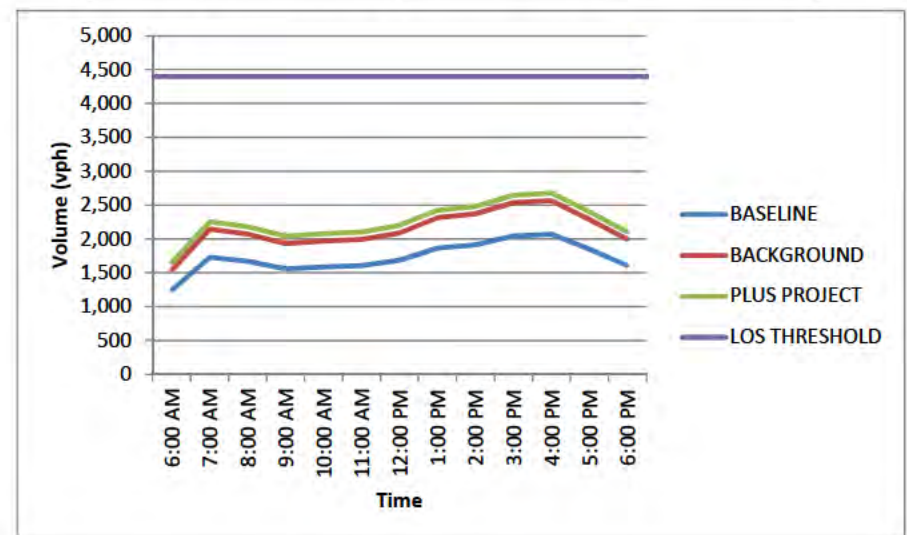
ID	Roadway	Segment	
		From	To
CT 18	I-5 SB	Turner Rd	SR 12



ID	Roadway	Segment	
		From	To
CT 19	I-5 NB	Eight Mile Rd	SR 12

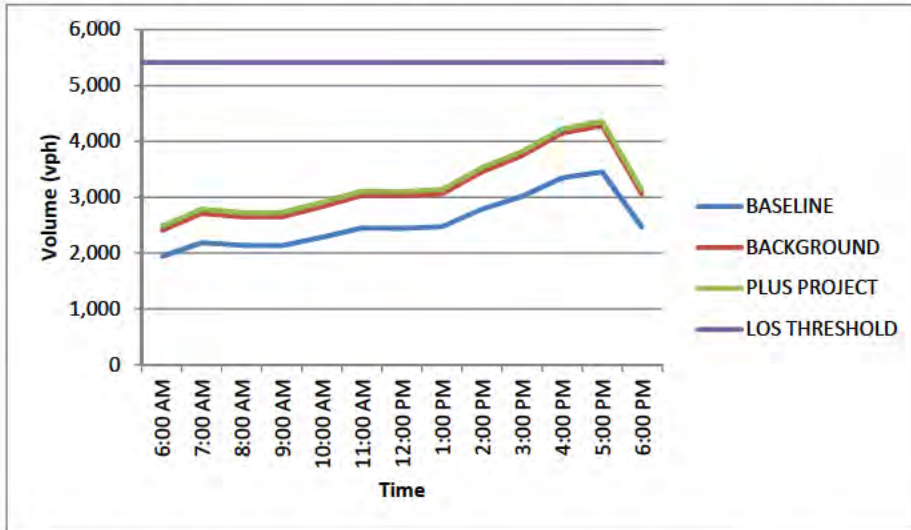


ID	Roadway	Segment	
		From	To
CT 20	I-5 SB	SR 12	Eight Mile Rd

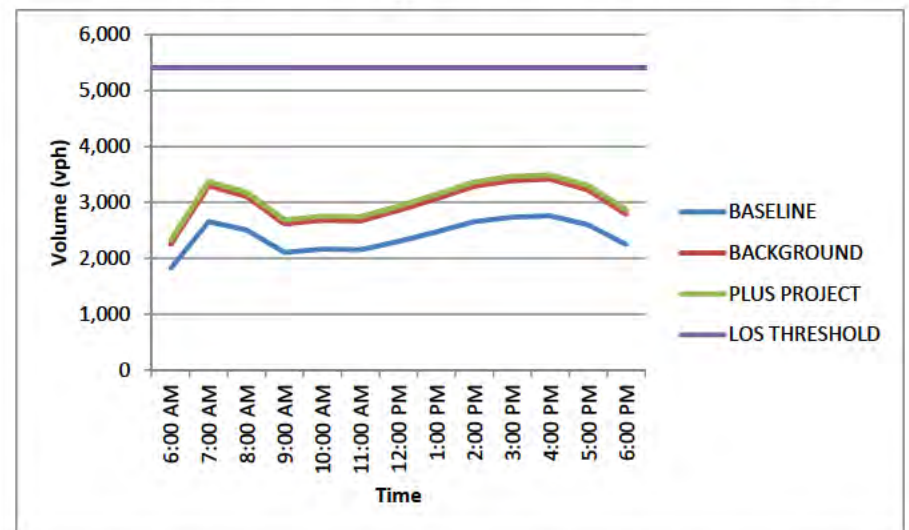


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

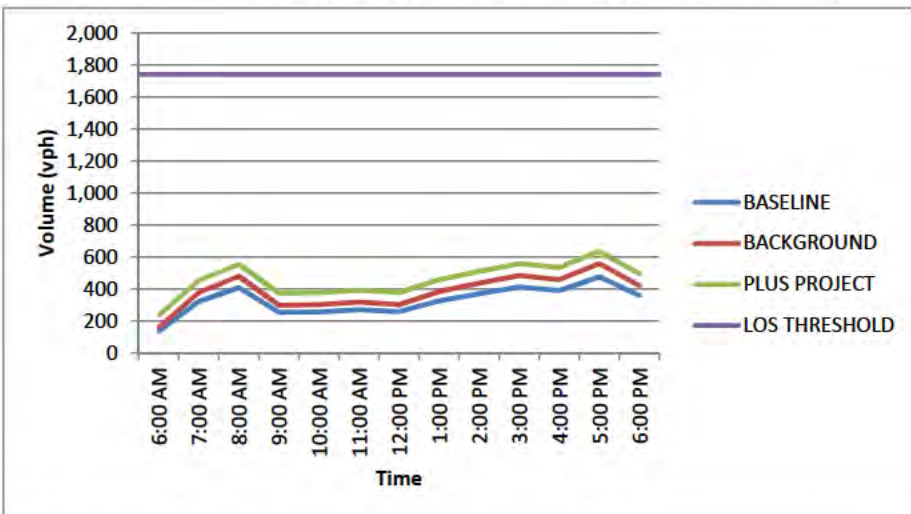
ID	Roadway	Segment	
		From	To
CT 21	I-5 NB	Hammer Ln	Eight Mile Rd



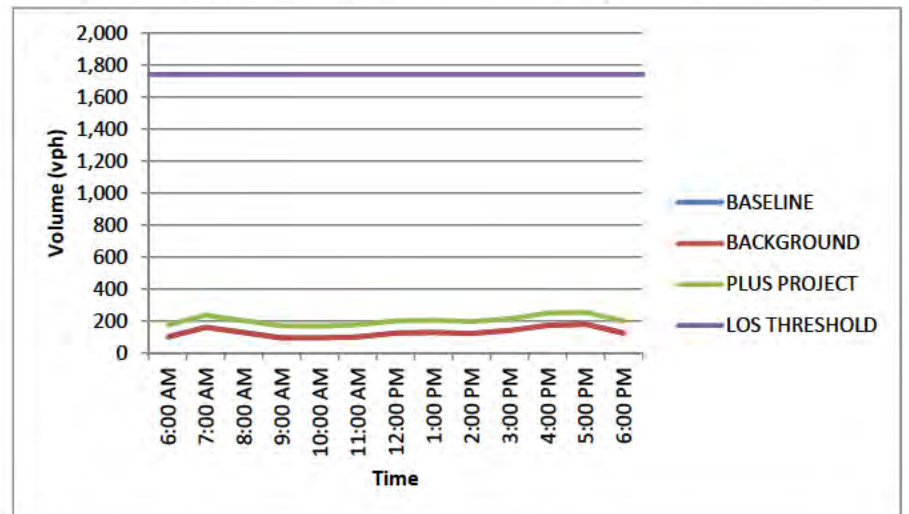
ID	Roadway	Segment	
		From	To
CT 22	I-5 SB	Eight Mile Rd	Hammer Ln



ID	Roadway	Segment	
		From	To
CT 23	SR 160 (Freeport Blvd)	Sacramento City Limits	Freeport Bridge

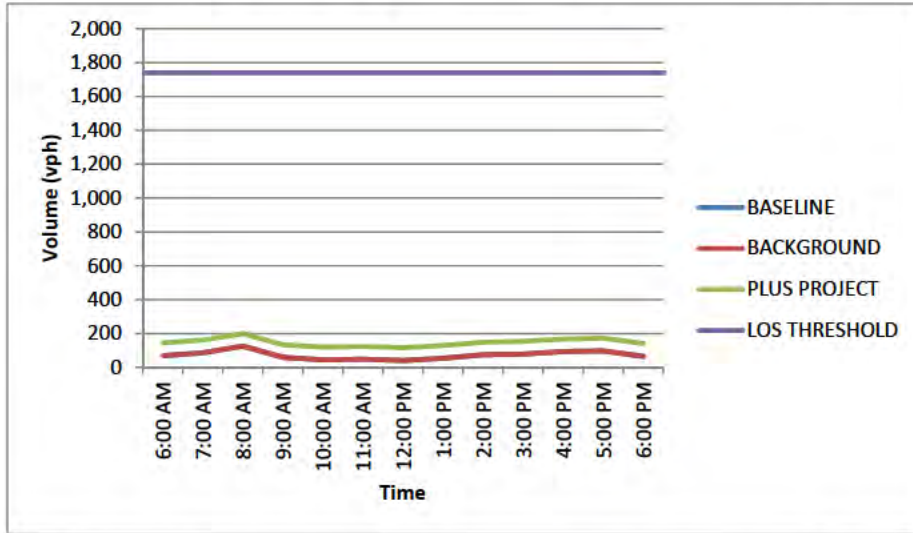


ID	Roadway	Segment	
		From	To
CT 24	SR 160 (Freeport Blvd/River Rd)	Freeport Bridge	Scribner Rd

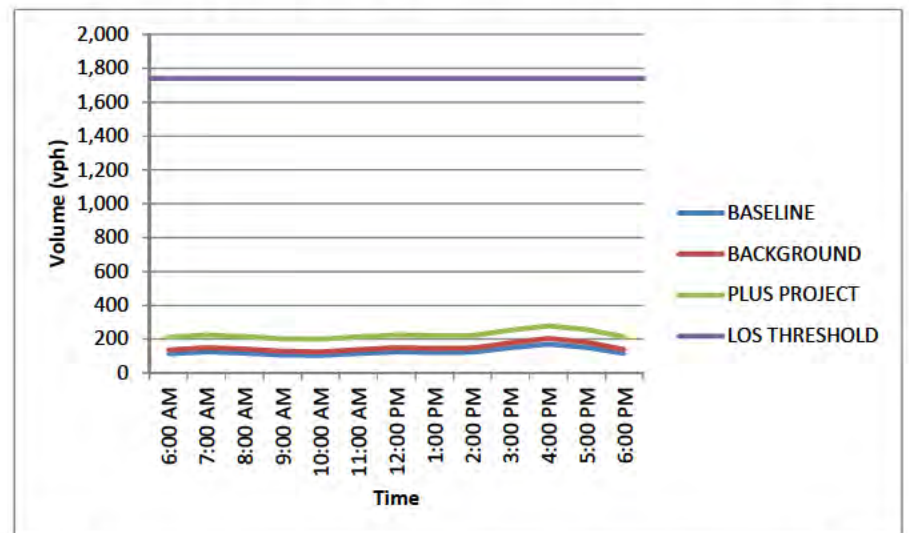


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

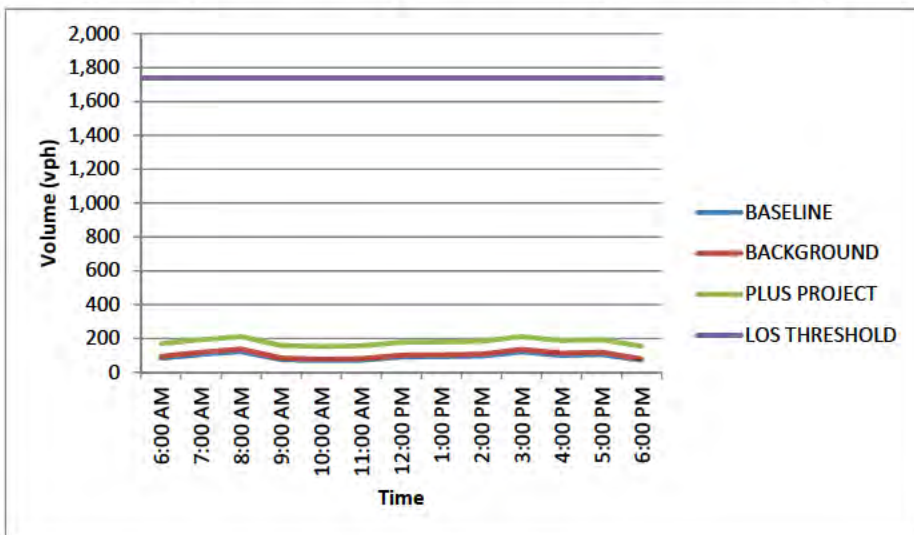
ID	Roadway	Segment	
		From	To
CT 25	SR 160 (River Rd)	Scribner Rd	Hood Franklin Rd



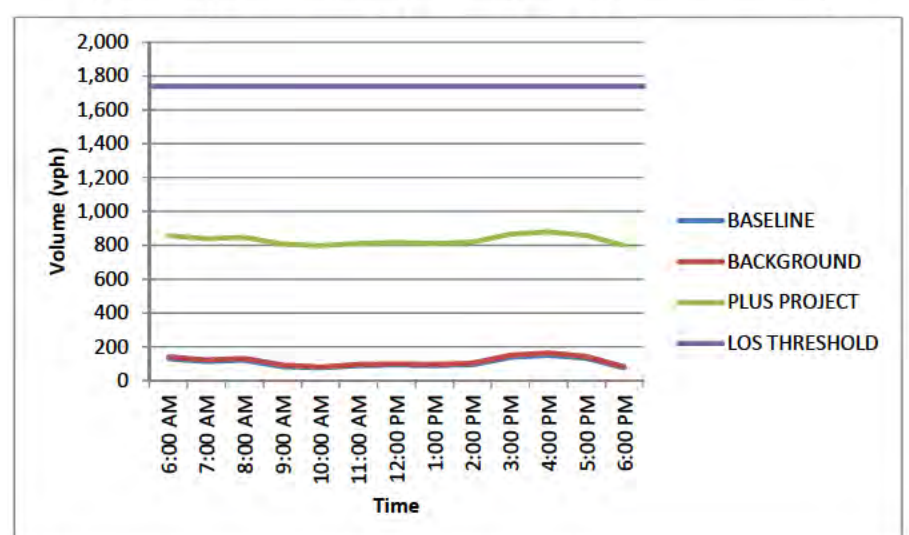
ID	Roadway	Segment	
		From	To
CT 26	SR 160 (River Rd)	Hood Franklin Rd	Lambert Rd



ID	Roadway	Segment	
		From	To
CT 27	SR 160 (River Rd)	Lambert Rd	Paintersville Bridge

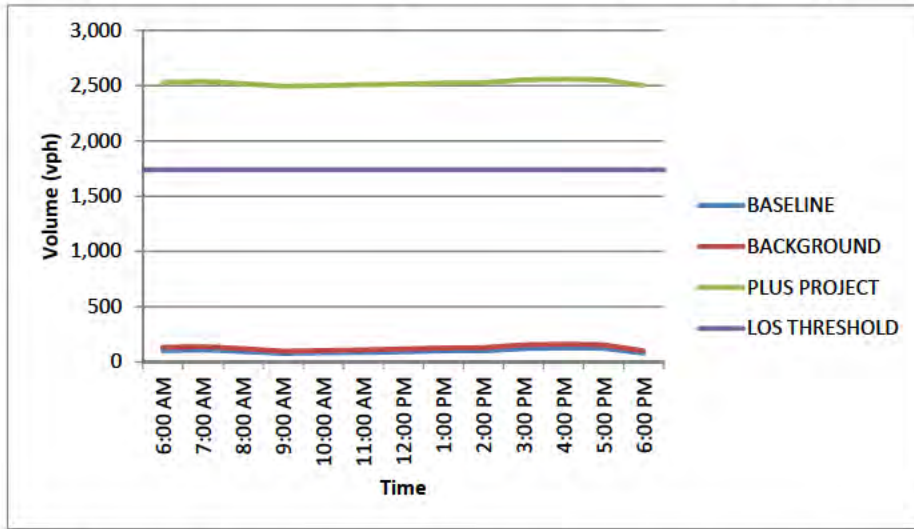


ID	Roadway	Segment	
		From	To
CT 28	SR 160 (Paintersville)	Sutter Slough Bridge Rd	SR 160 (River Rd)

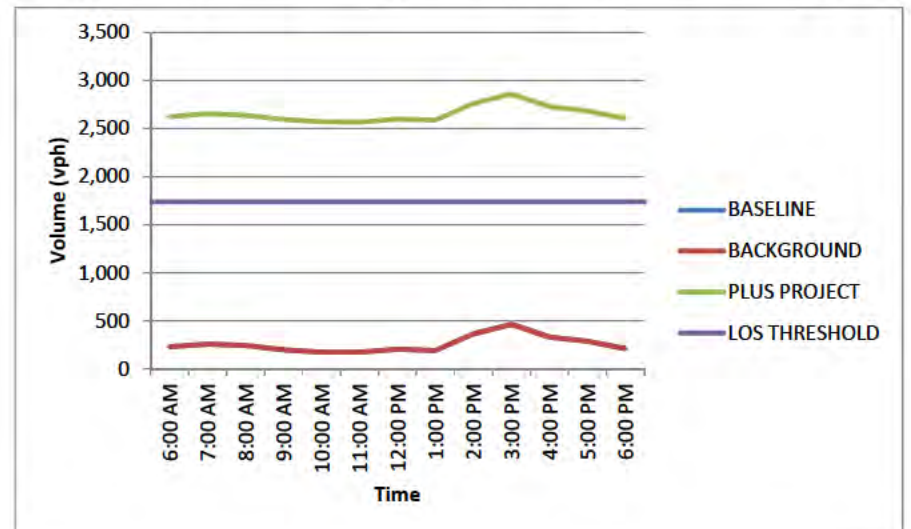


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

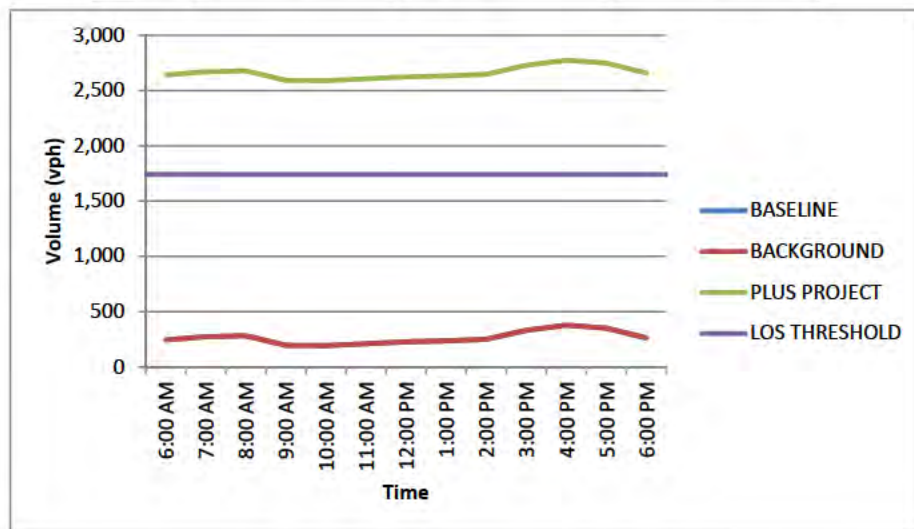
ID	Roadway	Segment	
		From	To
CT 29	SR 160	Paintersville Bridge	Walnut Grove Bridge



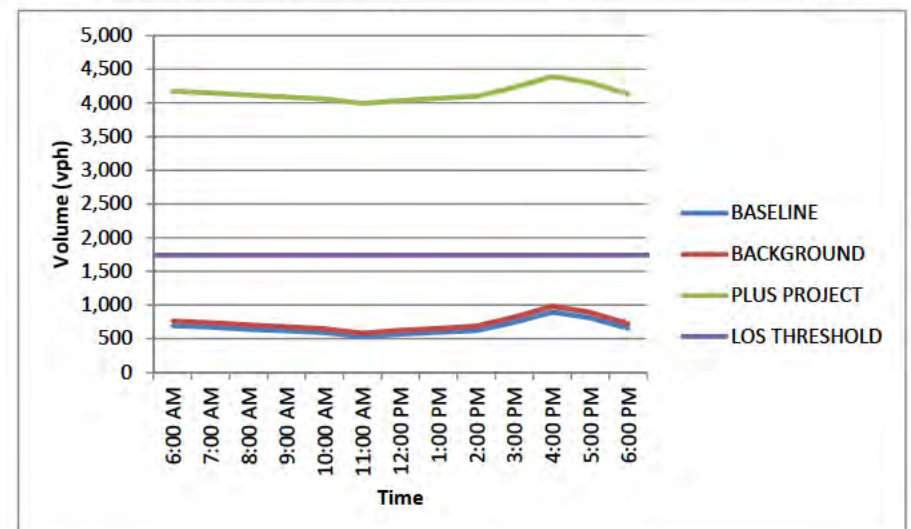
ID	Roadway	Segment	
		From	To
CT 30	SR 160 (River Rd)	Walnut Grove Bridge	A St (Isleton)



ID	Roadway	Segment	
		From	To
CT 31	SR 160	A St (Isleton)	SR 12

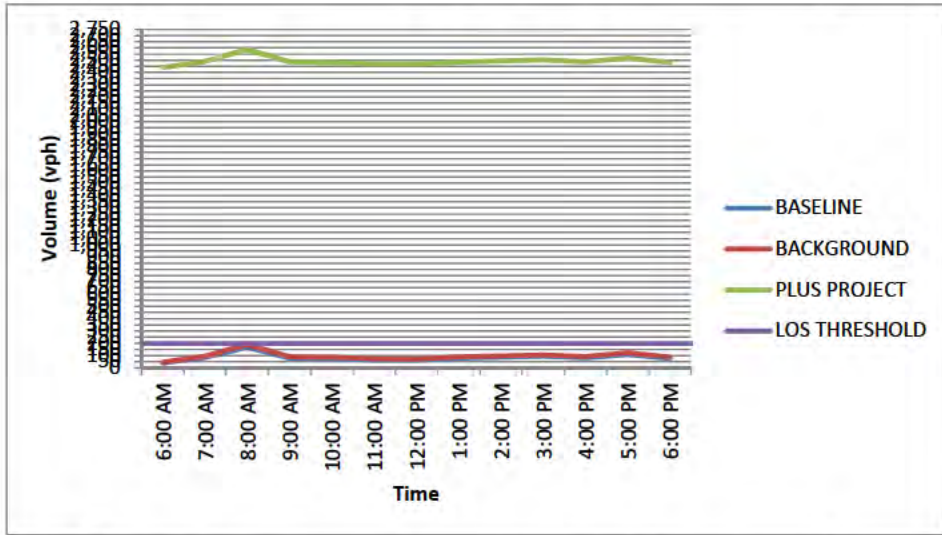


ID	Roadway	Segment	
		From	To
CT 32	SR 160	Brannan Island Rd	SR 12

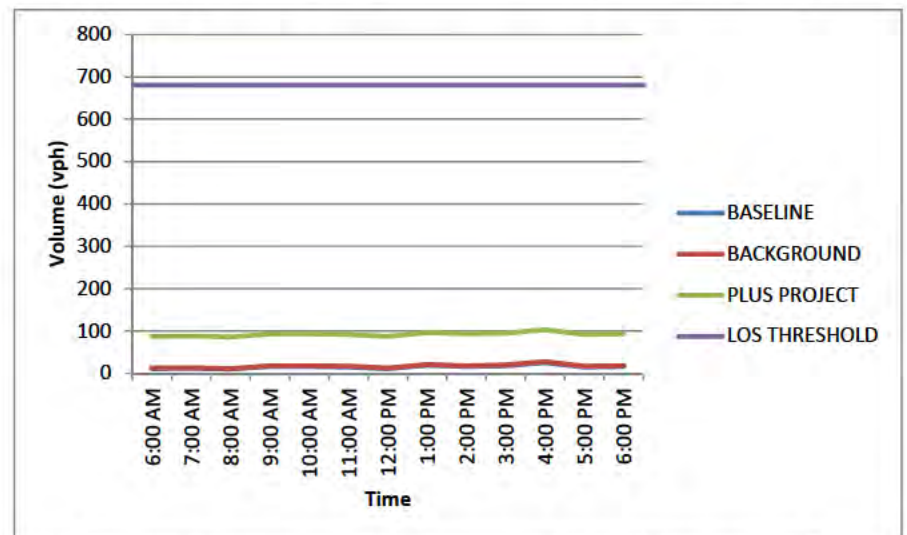


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

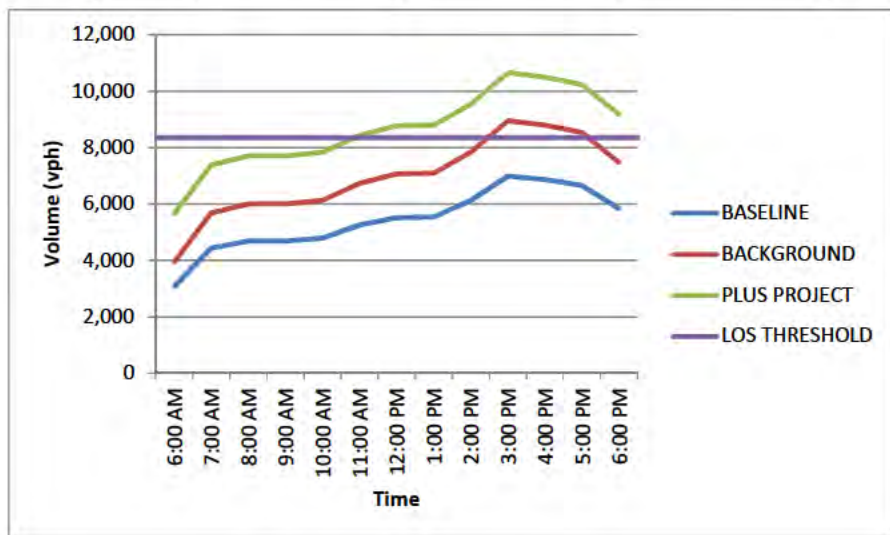
ID	Roadway	Segment	
		From	To
CT 33	SR 84 (Jefferson Blvd)	West Sacramento City Limits	Courtland Rd



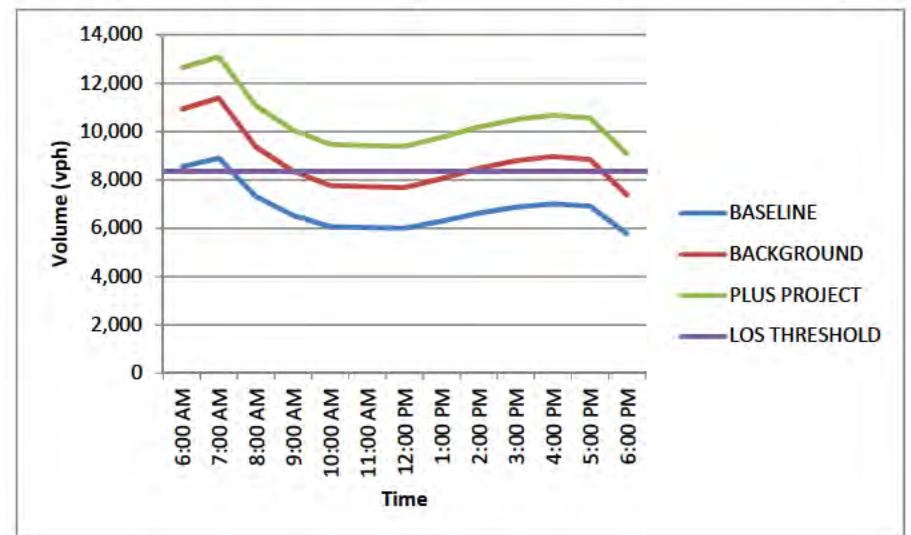
ID	Roadway	Segment	
		From	To
CT 34	SR 84 (Courtland Rd/Ryer Ave)	Courtland Rd	Cache Slough Ferry



ID	Roadway	Segment	
		From	To
CT 35	I-80 EB	Suisun Valley Rd	SR 12

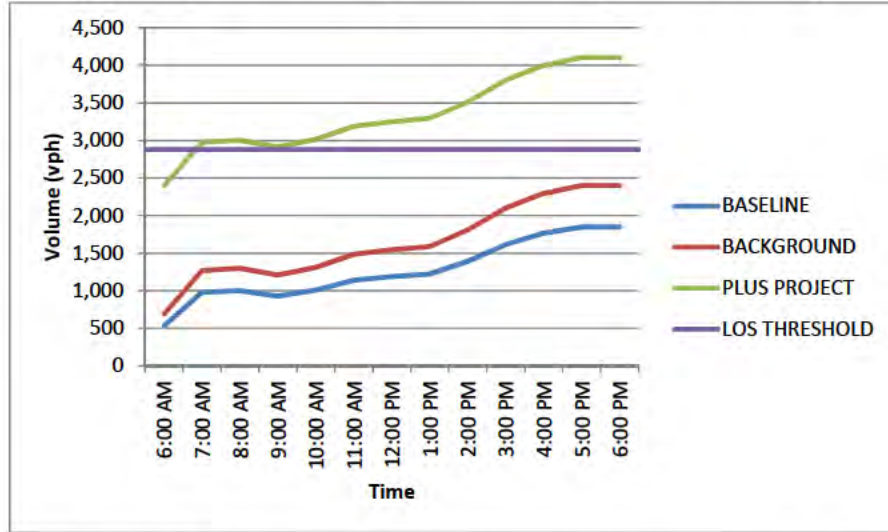


ID	Roadway	Segment	
		From	To
CT 36	I-80 WB	SR 12	Suisun Valley Rd

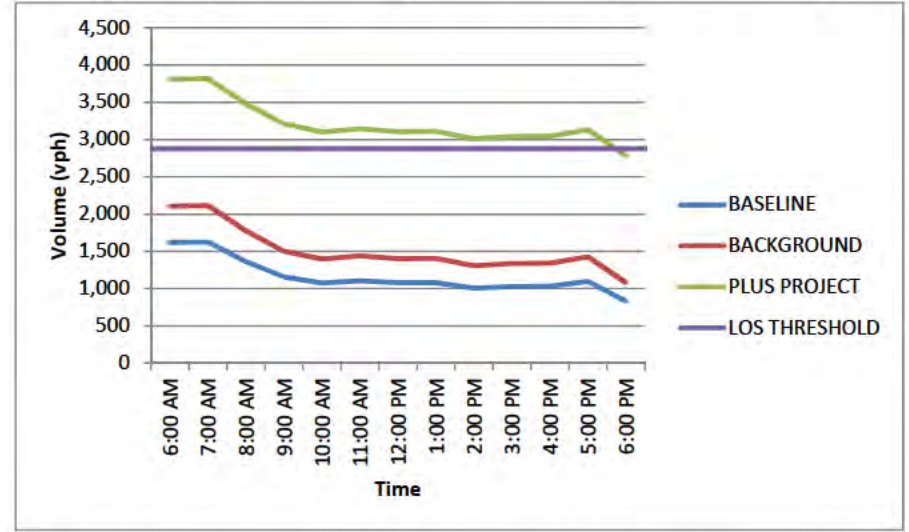


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

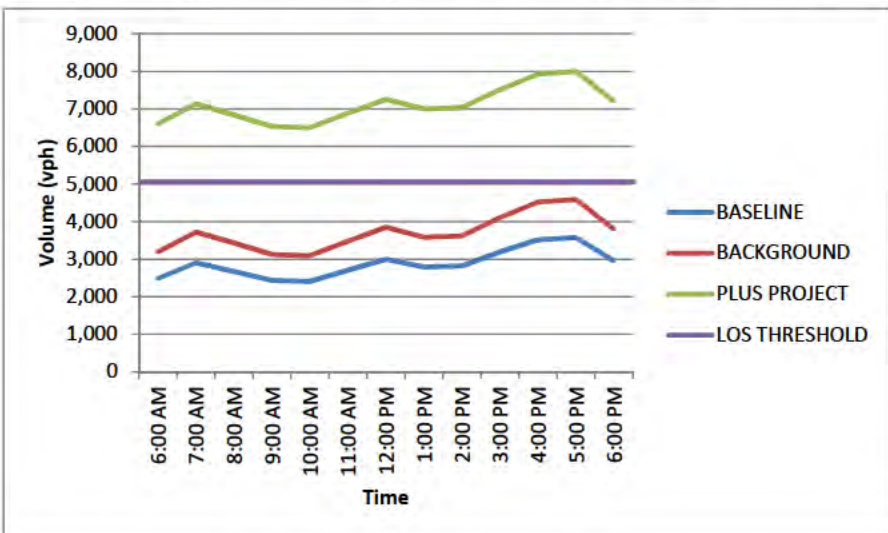
ID	Roadway	Segment	
		From	To
CT 37	SR 12 EB	I-80	Beck Ave



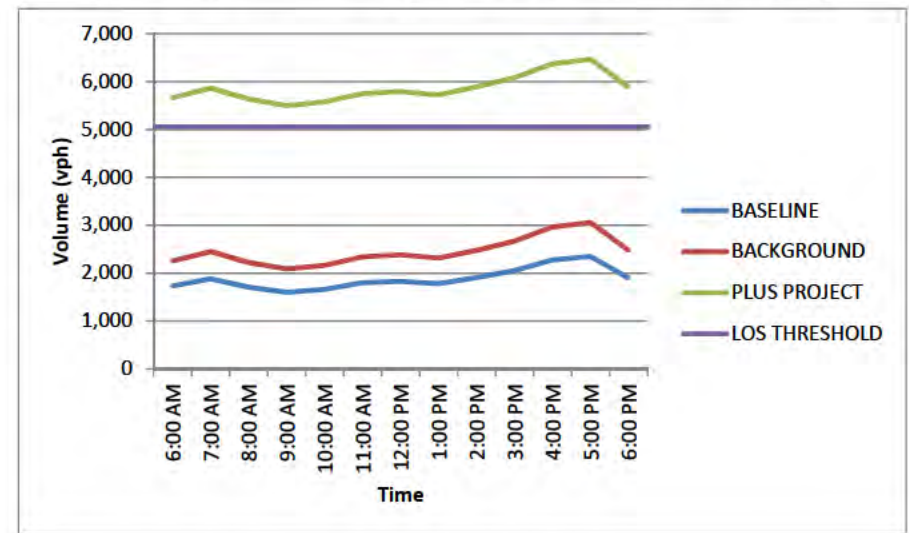
ID	Roadway	Segment	
		From	To
CT 38	SR 12 WB	Beck Ave	I-80



ID	Roadway	Segment	
		From	To
CT 39	SR 12	Beck Ave	Sunset Ave/Grizzly Island Rd

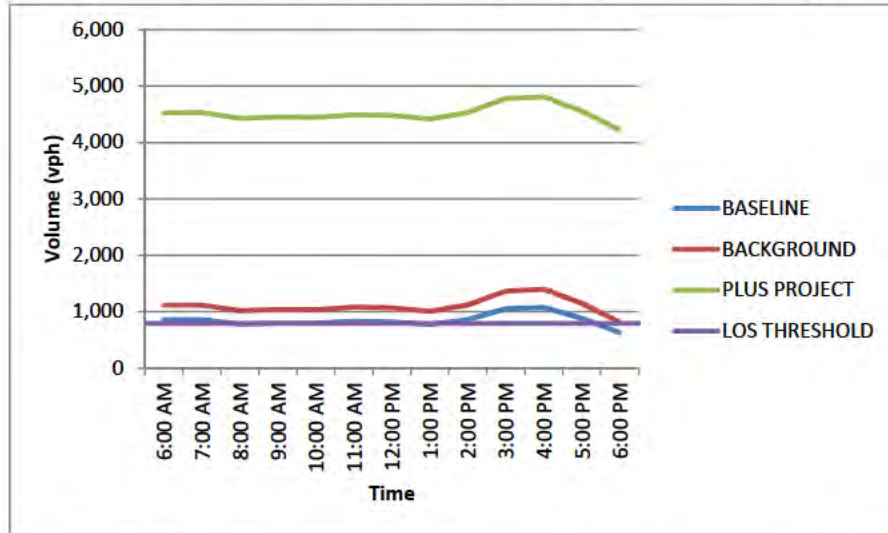


ID	Roadway	Segment	
		From	To
CT 40	SR 12	Sunset Ave/Grizzly Island Rd	Walters Rd/Lawler Ranch Pkwy

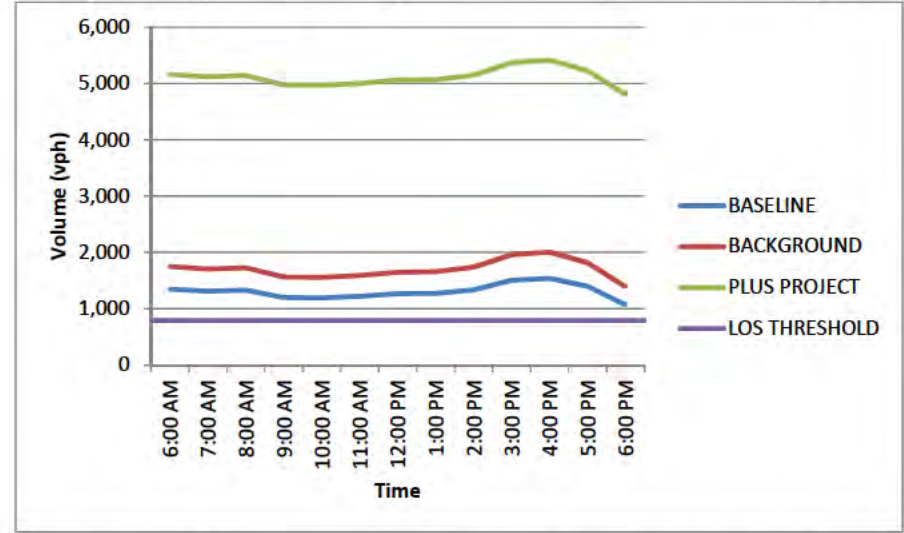


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

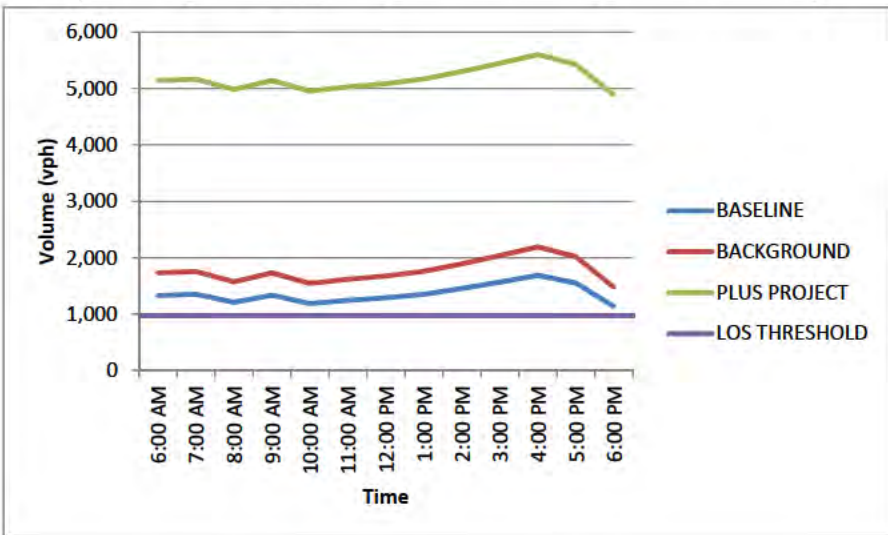
ID	Roadway	Segment	
		From	To
CT 41	SR 12	Walters Rd/Lawler Ranch Pkwy	SR 113



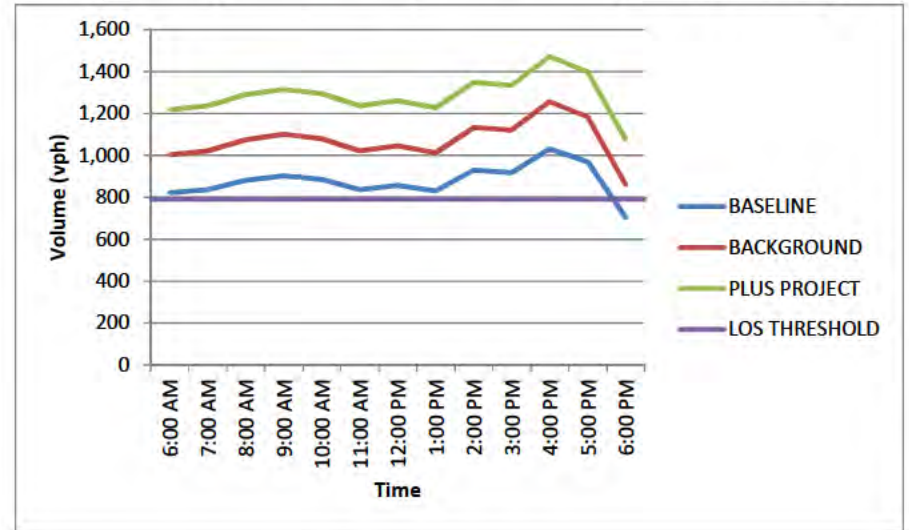
ID	Roadway	Segment	
		From	To
CT 42	SR 12	SR 113	SR 84 (River Rd)



ID	Roadway	Segment	
		From	To
CT 43	SR 12 (Rio Vista Bridge)	SR 84 (River Rd)	SR 160 (River Rd)

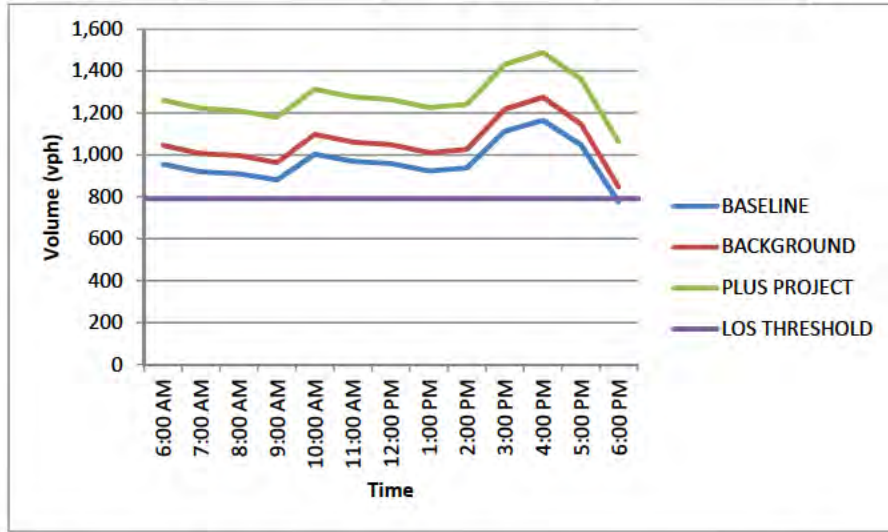


ID	Roadway	Segment	
		From	To
CT 44	SR 12	SR 160 (River Rd)	Sacramento Co./SJ Co. Line

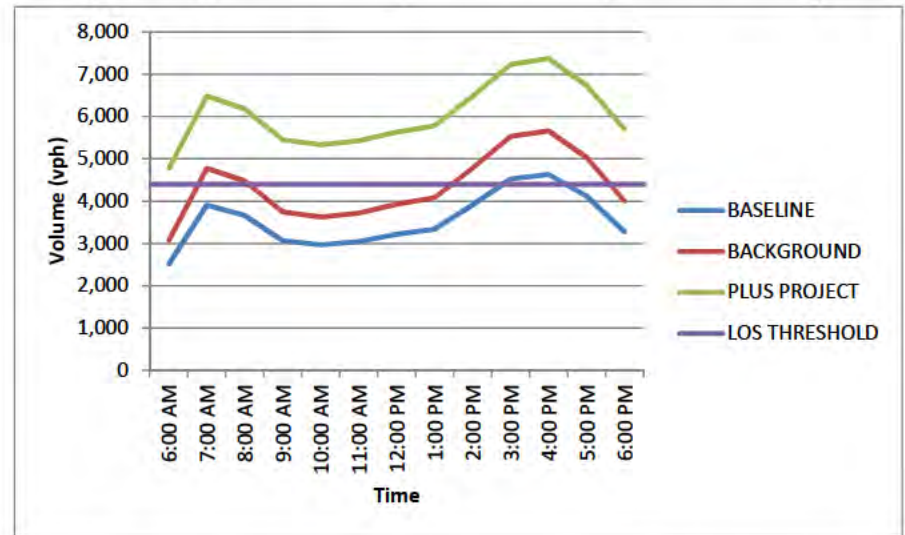


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

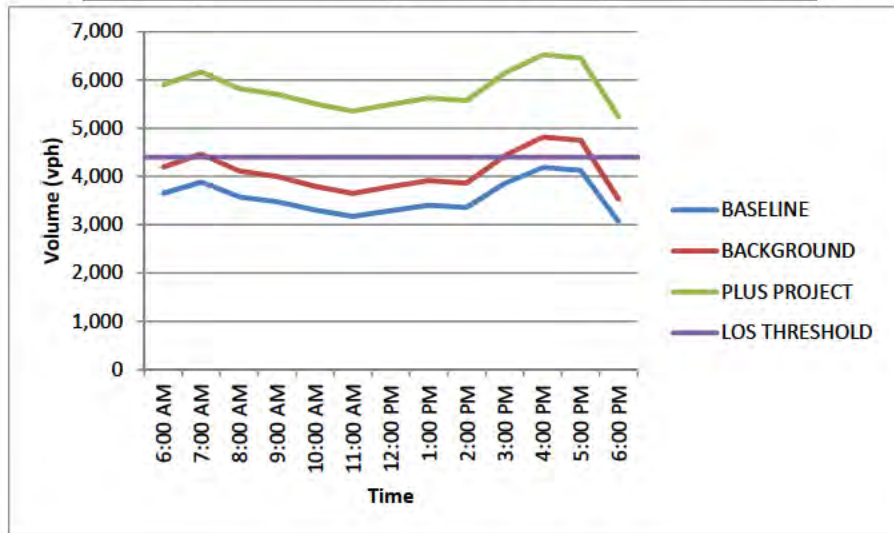
ID	Roadway	Segment	
		From	To
CT 45	SR 12	Sacramento Co./SJ Co. Line	I-5



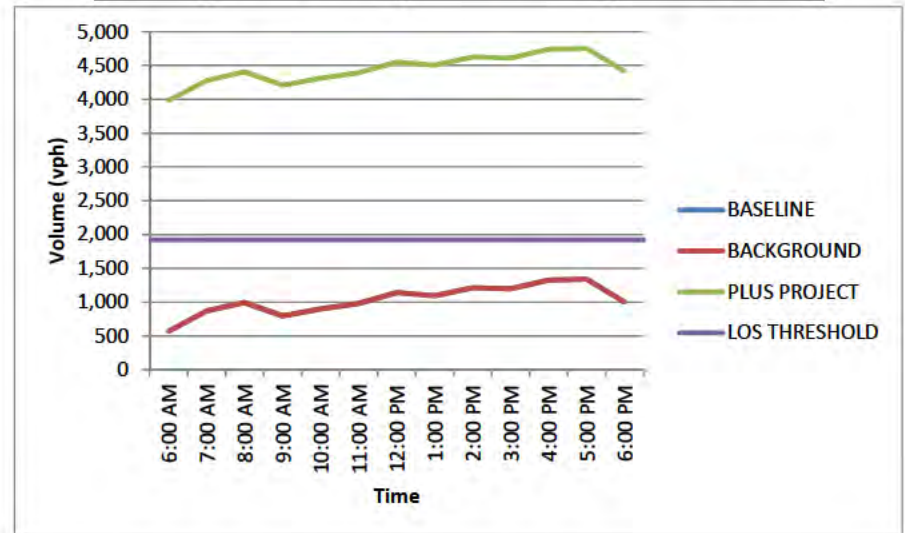
ID	Roadway	Segment	
		From	To
CT 46	I-80 EB	SR 113	Pedrick Rd



ID	Roadway	Segment	
		From	To
CT 47	I-80 WB	Pedrick Rd	SR 113

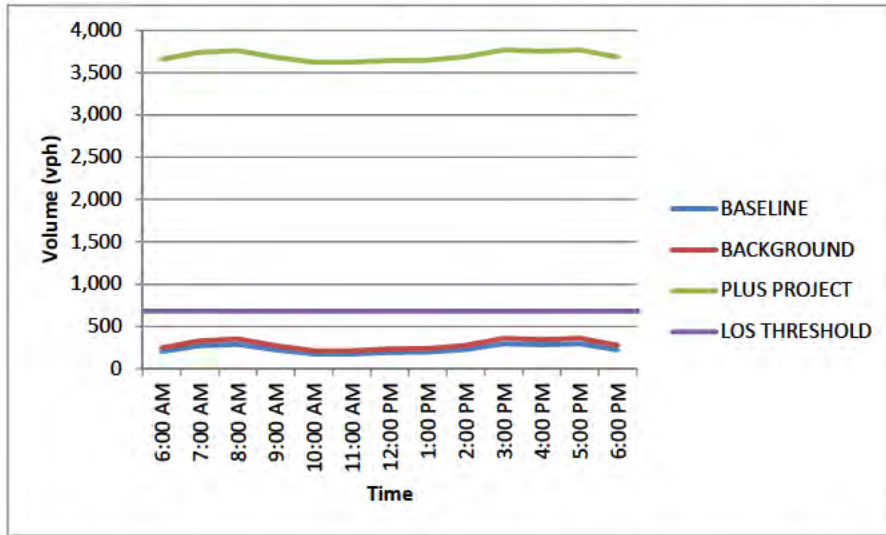


ID	Roadway	Segment	
		From	To
CT 48	SR 113	I-80	Dixon City Limits

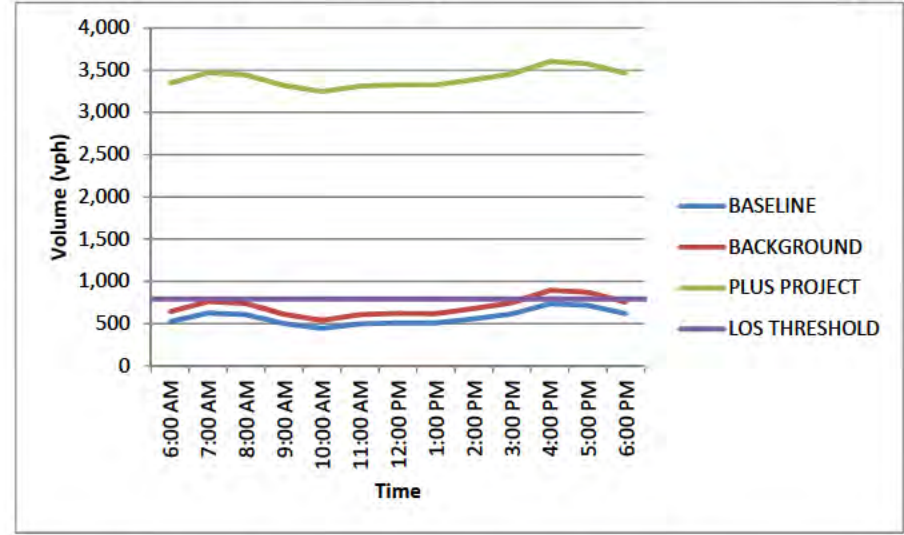


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

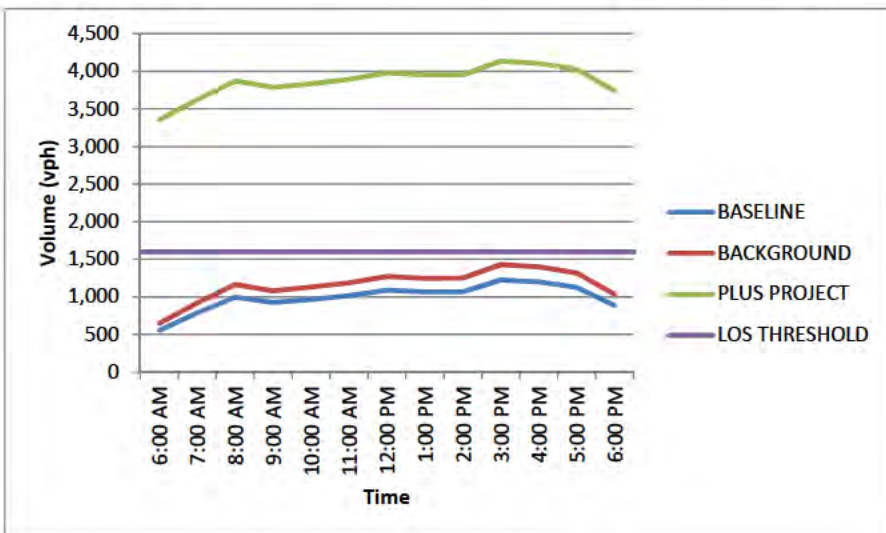
ID	Roadway	Segment	
		From	To
CT 49	SR 113	Dixon City Limits	SR 12



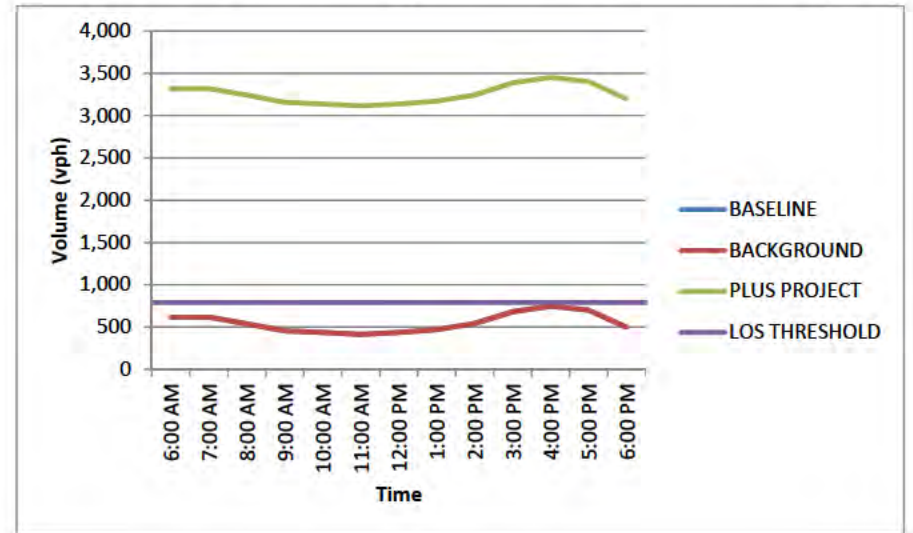
ID	Roadway	Segment	
		From	To
CT 50	SR 4 (Marsh Creek Rd)	Vasco Rd	Byron Hwy (Old SR 4)



ID	Roadway	Segment	
		From	To
CT 51	SR 4	Marsh Creek Rd	Discovery Bay Blvd

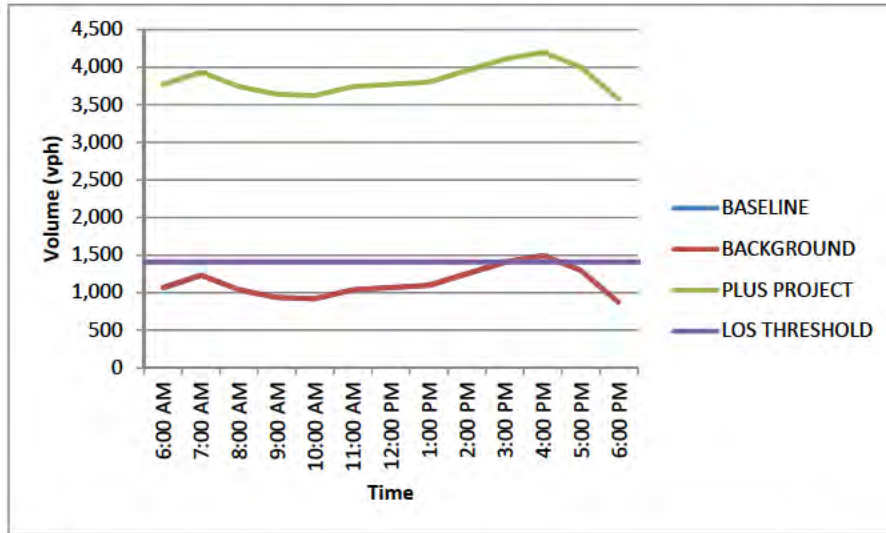


ID	Roadway	Segment	
		From	To
CT 52	SR 4	Discovery Bay Blvd	Tracy Blvd

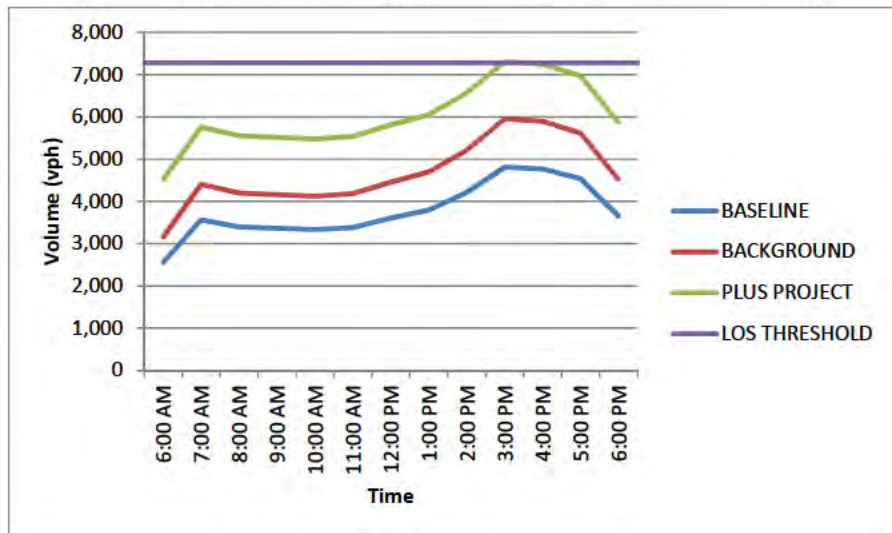


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

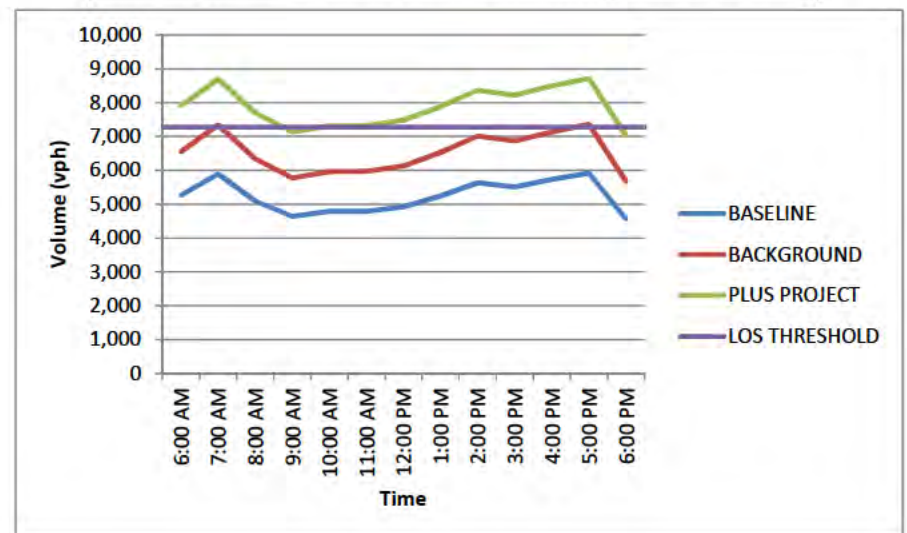
ID	Roadway	Segment	
		From	To
CT 53	SR 4 (Charter Way)	Tracy Blvd	I-5



ID	Roadway	Segment	
		From	To
CT 54	I-5 NB	SR 4 (Charter Way)	SR 4 (Freeway)

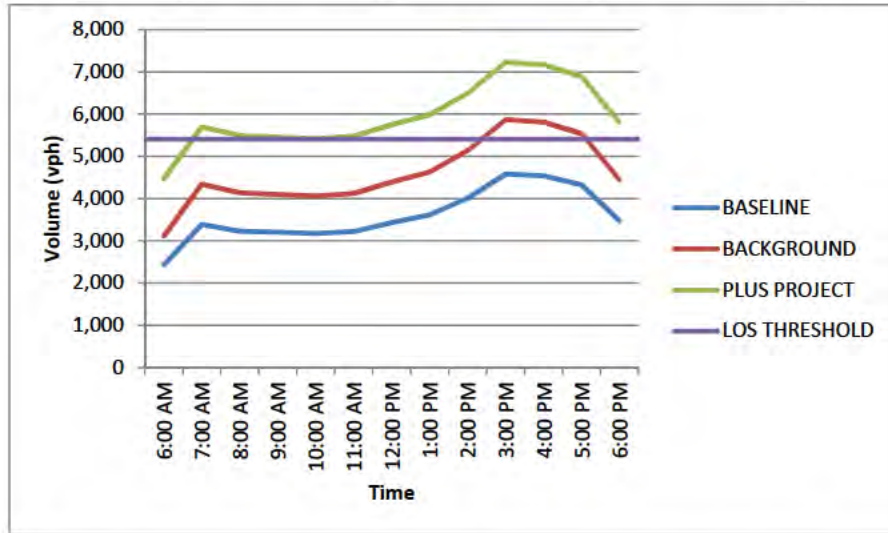


ID	Roadway	Segment	
		From	To
CT 55	I-5 SB	SR 4 (Freeway)	SR 4 (Charter Way)

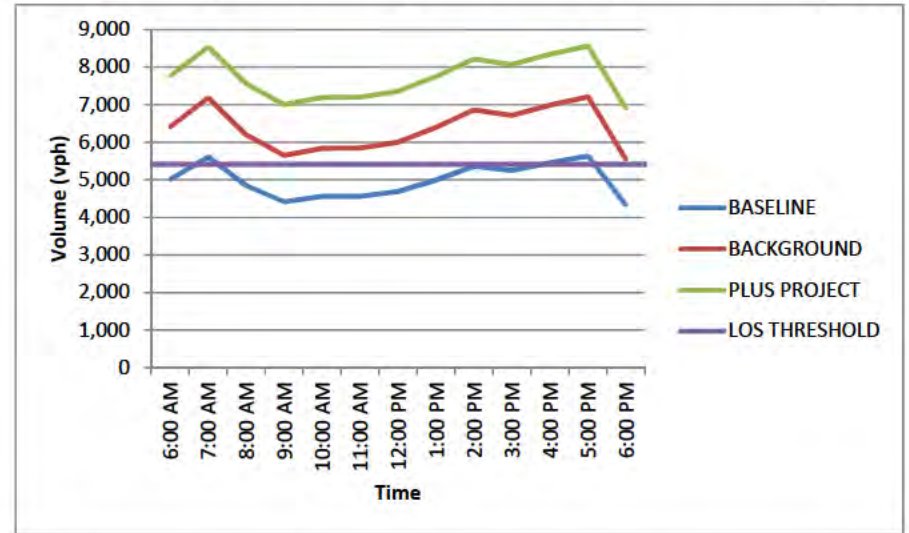


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

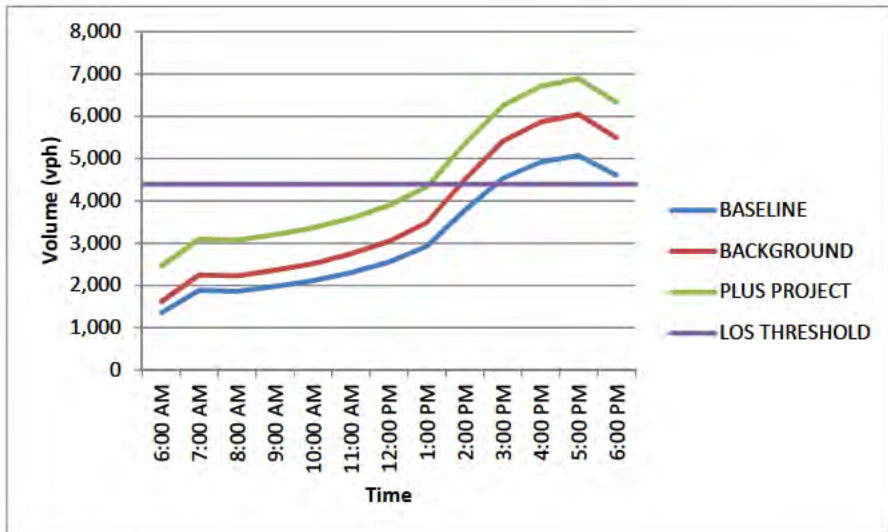
ID	Roadway	Segment	
		From	To
CT 56	I-5 NB	Eighth St	SR 4 (Charter Way)



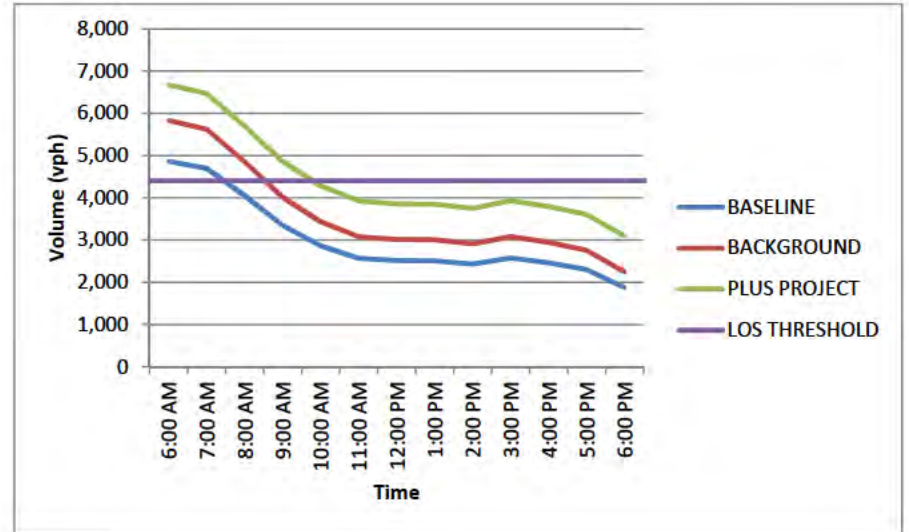
ID	Roadway	Segment	
		From	To
CT 57	I-5 SB	SR 4 (Charter Way)	Eighth St



ID	Roadway	Segment	
		From	To
CT 58	I-205 EB	I-580	Mountain House Pkwy

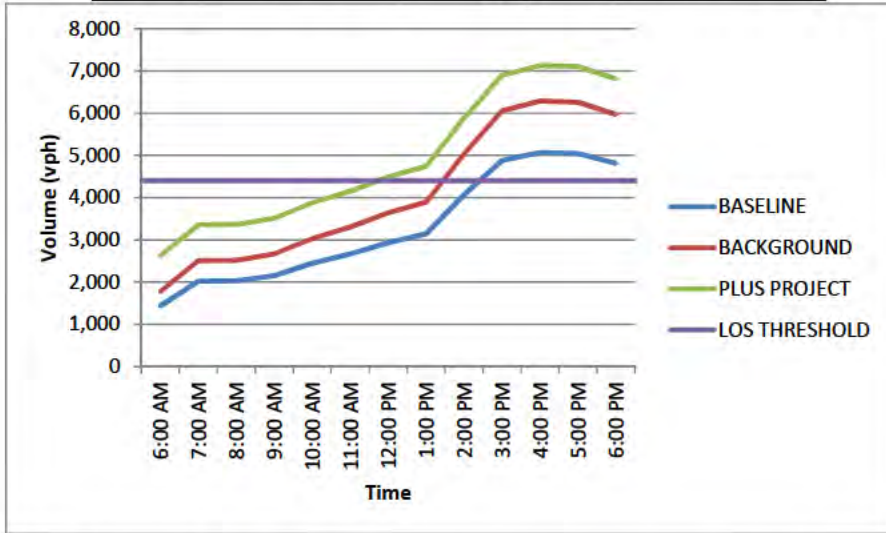


ID	Roadway	Segment	
		From	To
CT 59	I-205 WB	Mountain House Pkwy	I-580

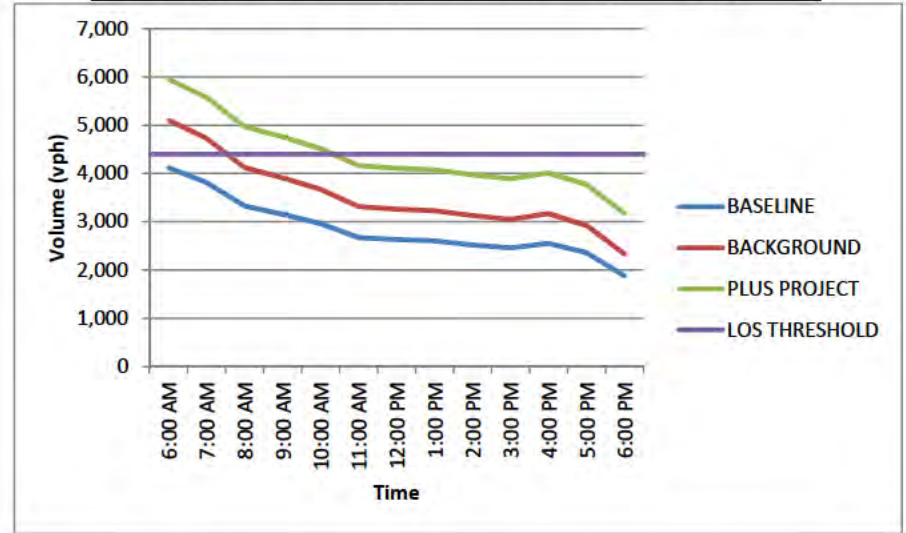


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Caltrans

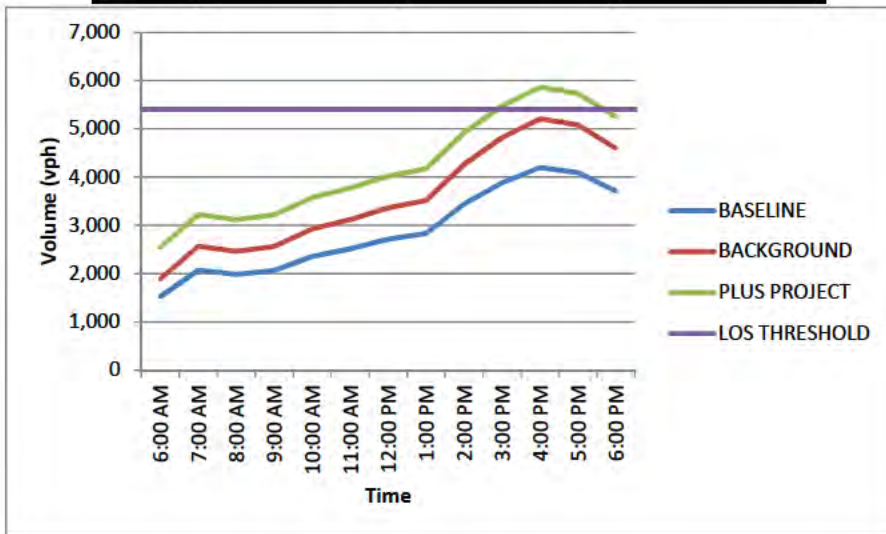
ID	Roadway	Segment	
		From	To
CT 60	I-205 EB	Mountain House Pkwy	Eleventh St



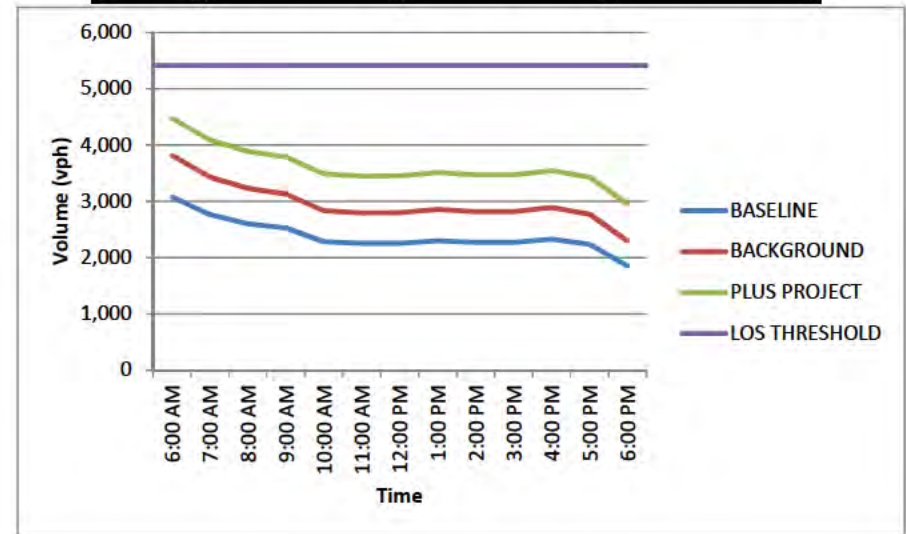
ID	Roadway	Segment	
		From	To
CT 61	I-205 WB	Eleventh St	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
CT 62	I-205 EB	Grant Line Rd	Tracy Blvd



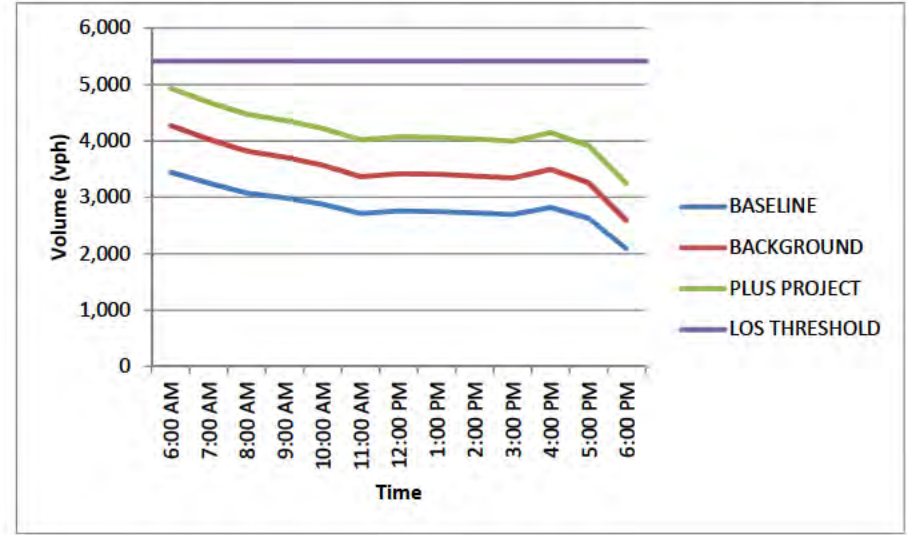
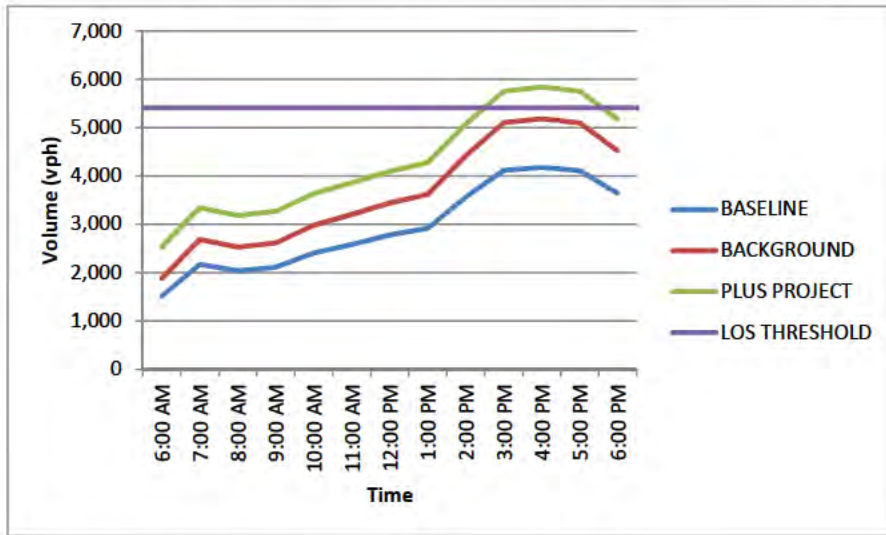
ID	Roadway	Segment	
		From	To
CT 63	I-205 WB	Tracy Blvd	Grant Line Rd



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Caltrans

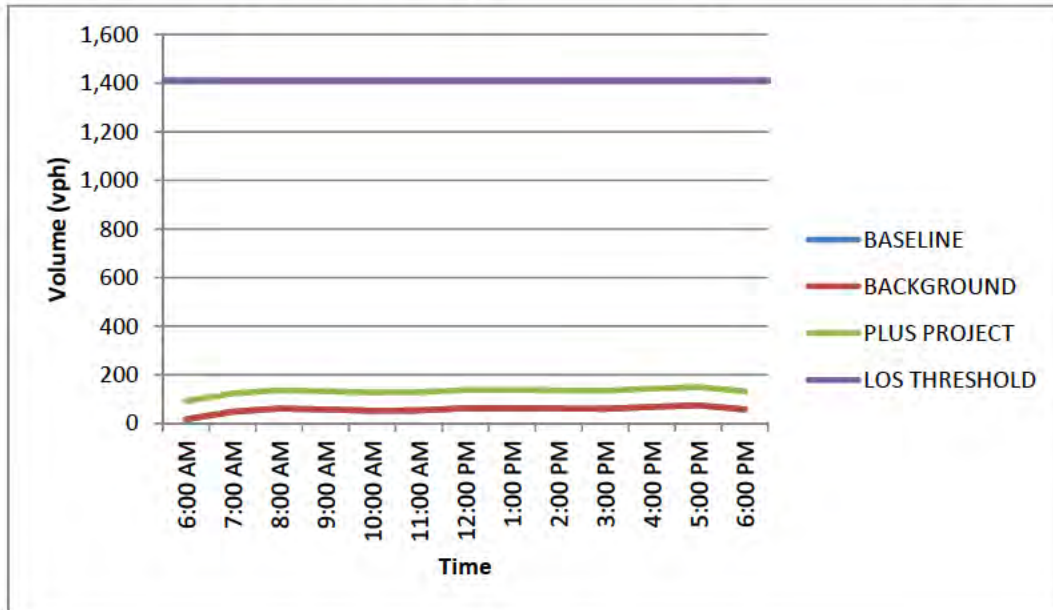
ID	Roadway	Segment	
		From	To
CT 64	I-205 EB	Tracy Blvd	MacArthur Dr

ID	Roadway	Segment	
		From	To
CT 65	I-205 WB	MacArthur Dr	Tracy Blvd



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Isleton

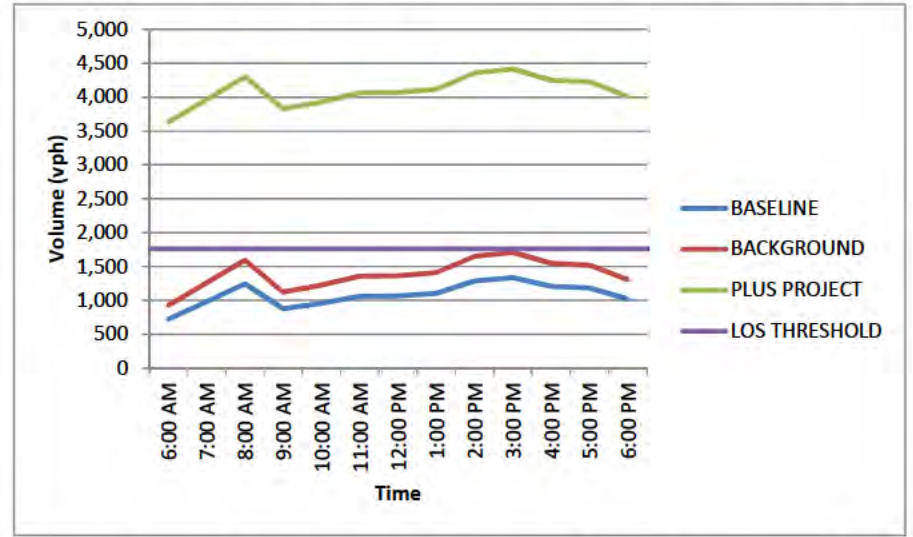
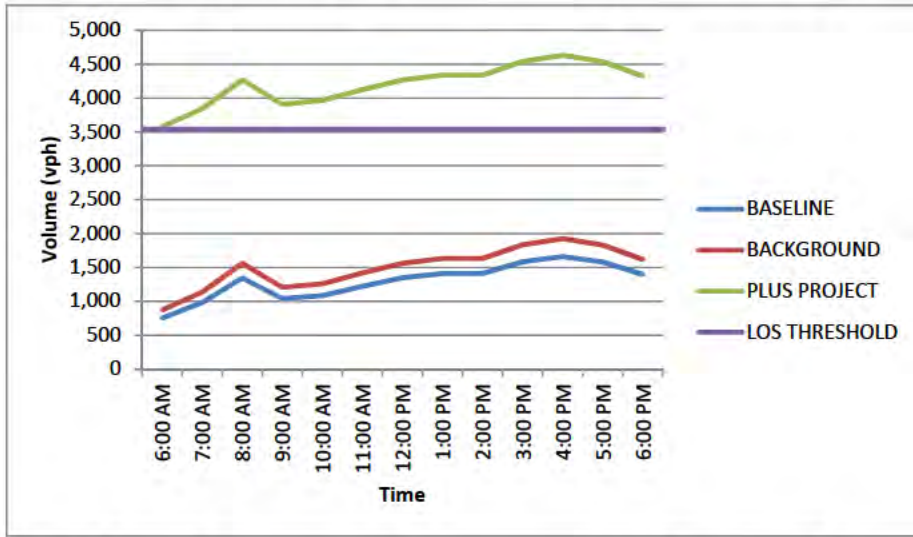
ID	Roadway	Segment	
		From	To
ISL 01	A St/4th St/Jackson Blvd.	SR 160	Isleton City Limits



Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - Oakley

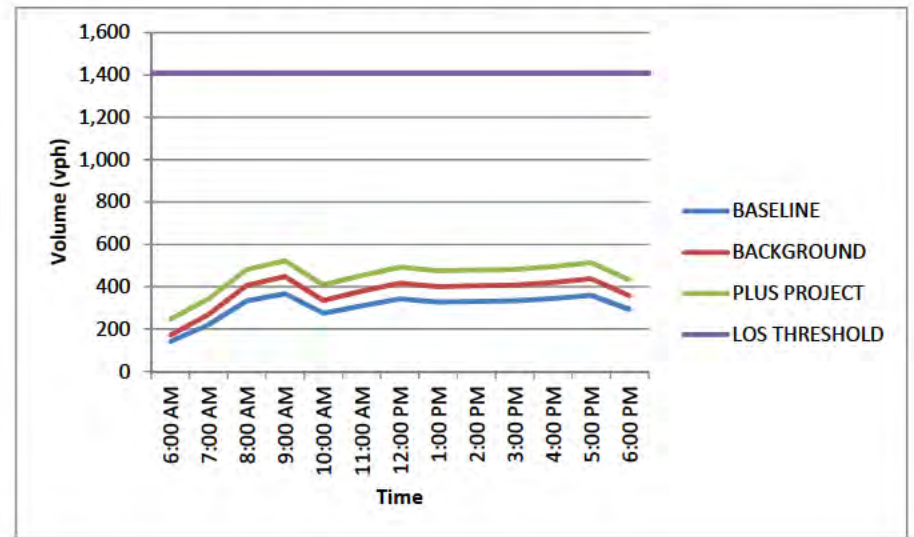
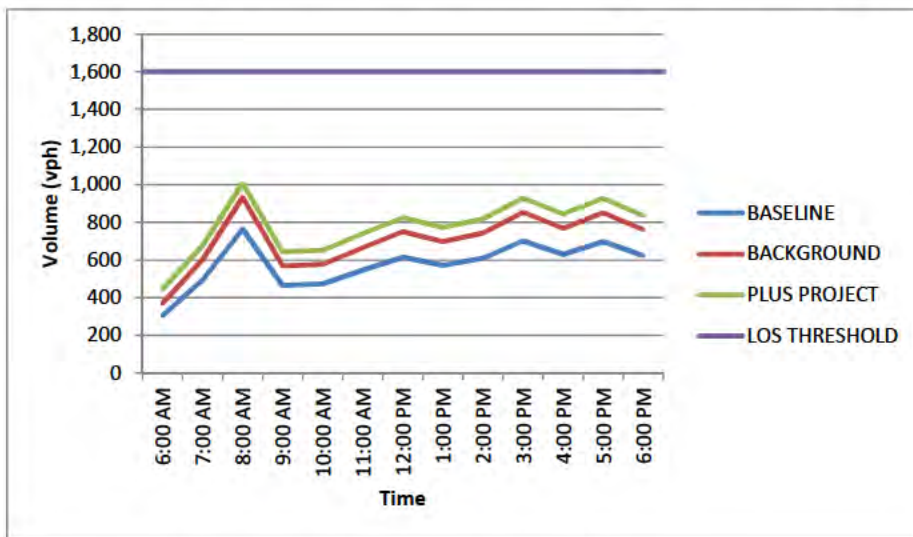
ID	Roadway	Segment	
		From	To
OAK 01	Main Street (Old SR 4)	SR 160	Cypress Rd

ID	Roadway	Segment	
		From	To
OAK 02	Main Street (Old SR 4)	Cypress Rd	Delta Rd (Oakley City Limits)



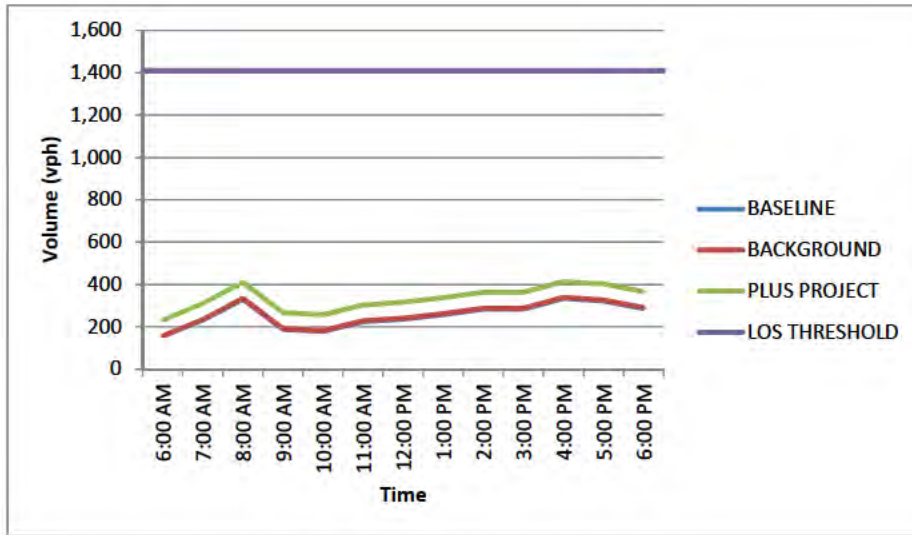
ID	Roadway	Segment	
		From	To
OAK 03	Cypress Rd	Main Street (Old SR 4)	Bethel Island Rd

ID	Roadway	Segment	
		From	To
OAK 04	Bethel Island Rd	Cypress Rd	Oakley City Limits



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Oakley

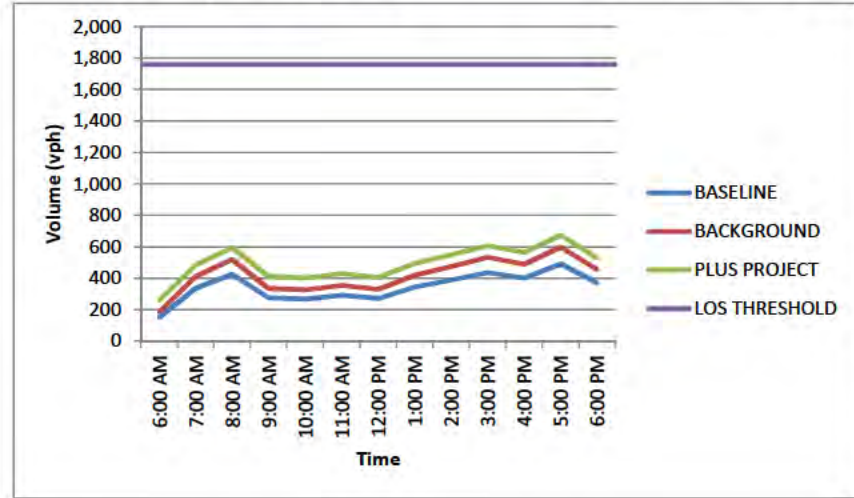
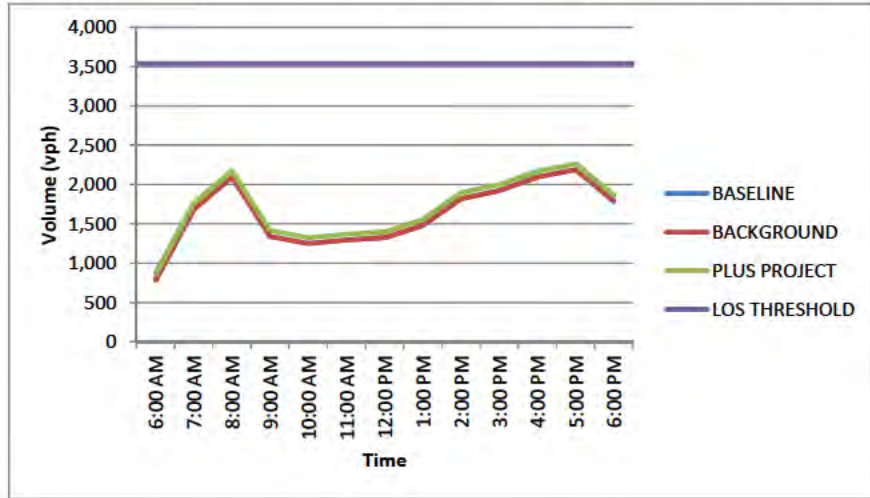
ID	Roadway	Segment	
		From	To
OAK 05	Delta Rd	Main Street (Old SR 4)	Byron Hwy



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - City of Sacramento

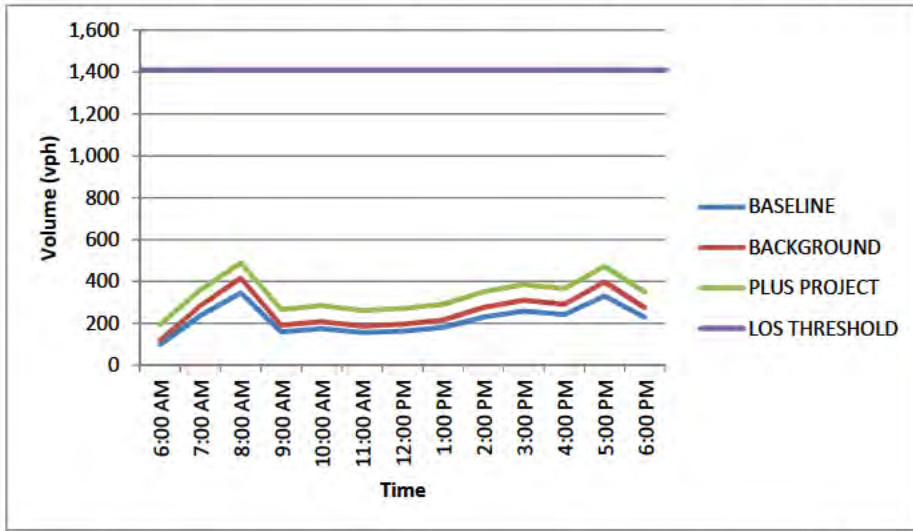
ID	Roadway	Segment	
		From	To
SAC 01	Pocket Rd	Freeport Blvd (Old SR 160)	I-5

ID	Roadway	Segment	
		From	To
SAC 02	Freeport Blvd (Old SR 160)	Pocket Rd	Sacramento City Limits

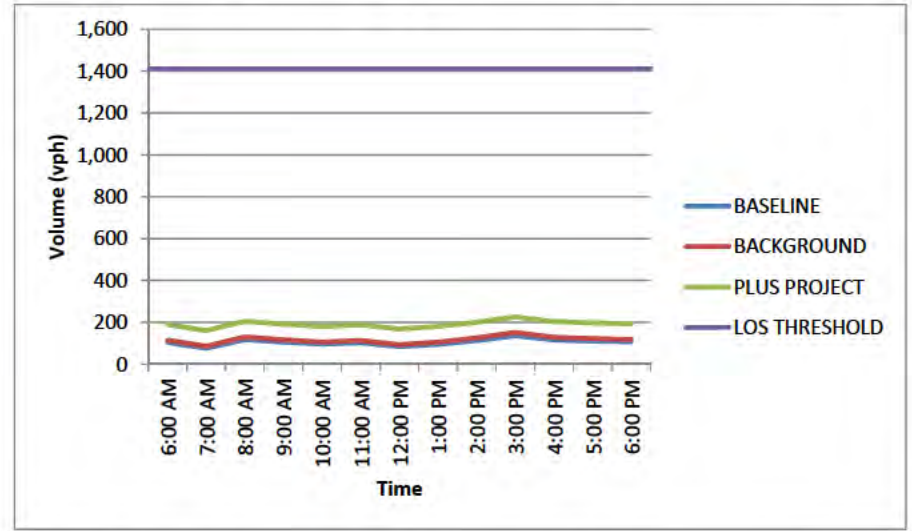


Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

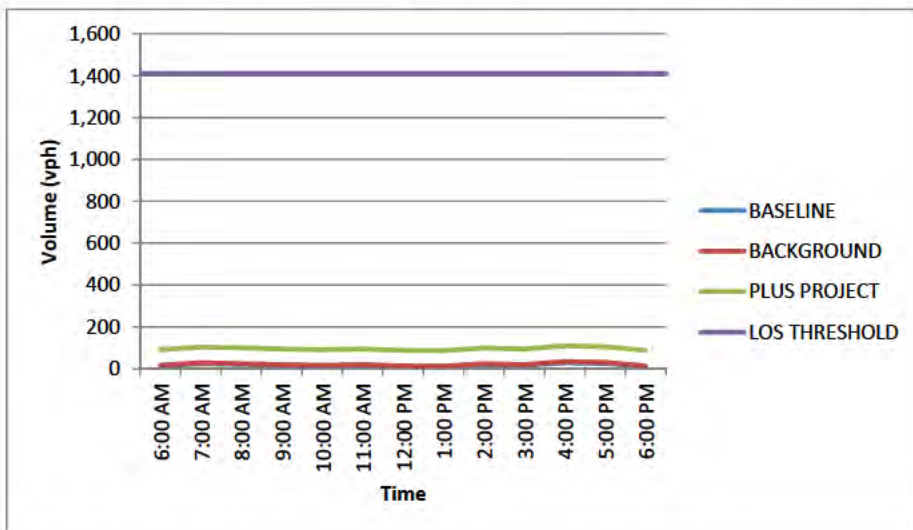
ID	Roadway	Segment	
		From	To
SC 01	Freeport Bridge	River Rd	SR 160 (Freeport Blvd)



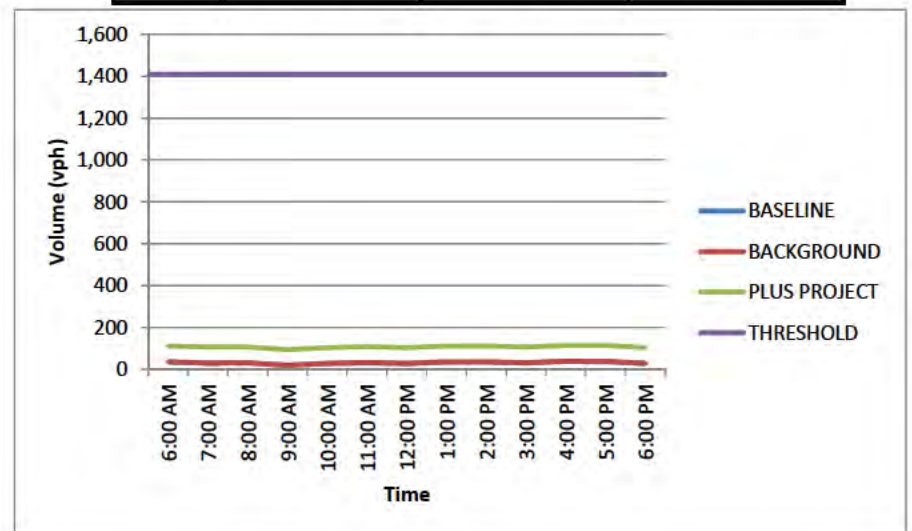
ID	Roadway	Segment	
		From	To
SC 02	Hood Franklin Rd	SR 160 (River Rd)	I-5



ID	Roadway	Segment	
		From	To
SC 03	Lambert Rd	SR 160 (River Rd)	Herzog Rd

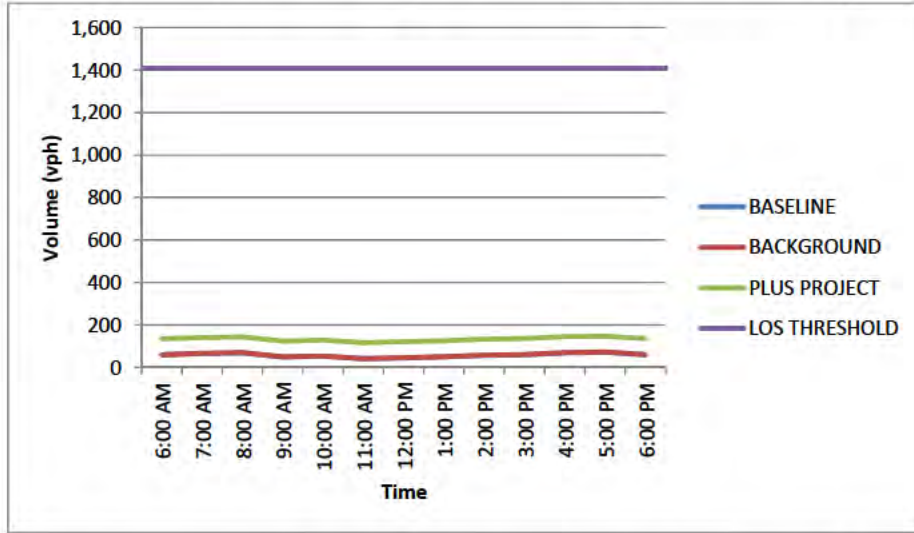


ID	Roadway	Segment	
		From	To
SC 04	Lambert Rd	Herzog Rd	Franklin Blvd

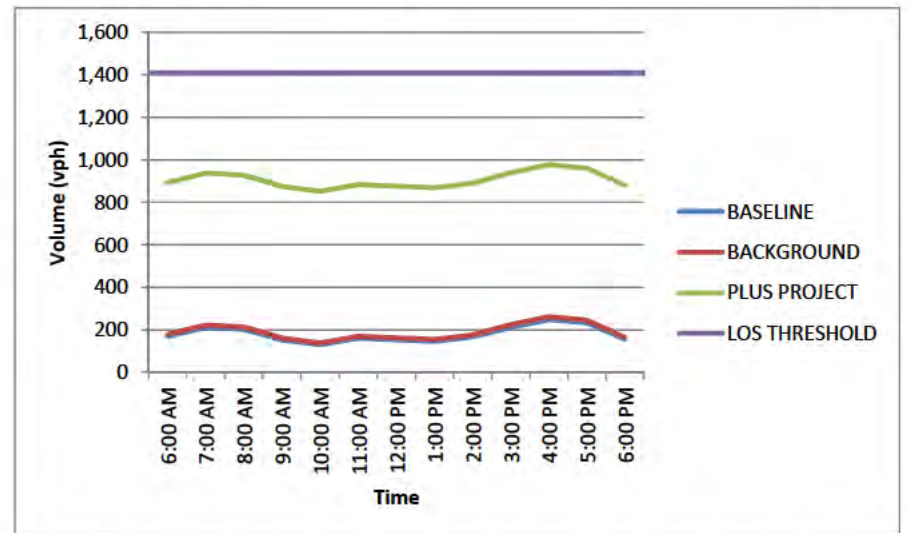


Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

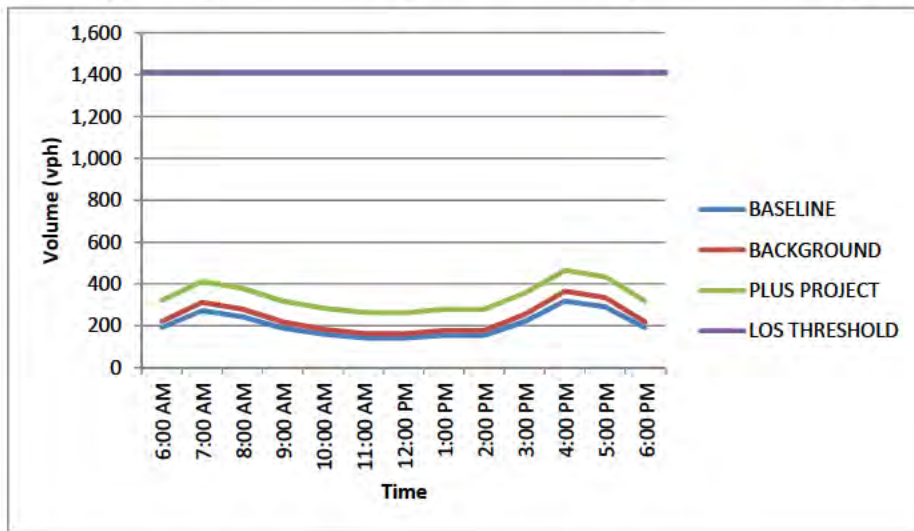
ID	Roadway	Segment	
		From	To
SC 05	Franklin Blvd	Lambert Rd	Twin Cities Rd



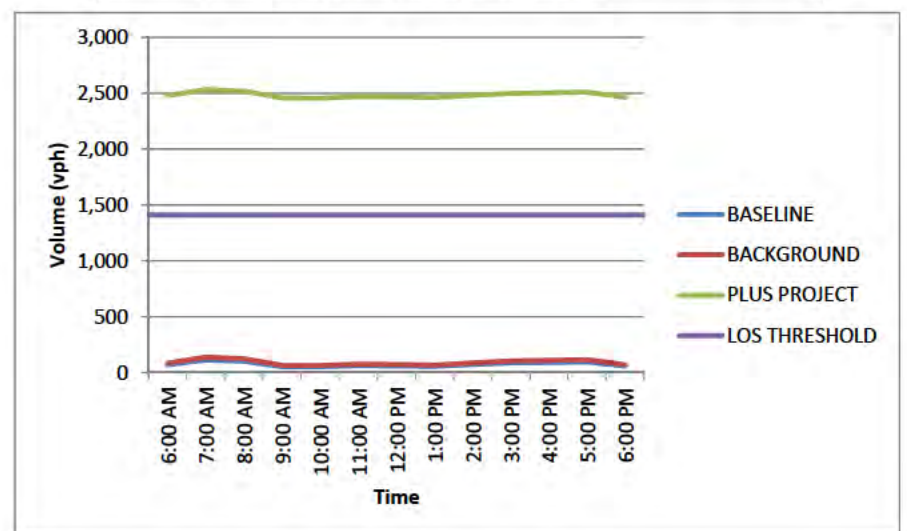
ID	Roadway	Segment	
		From	To
SC 06	Twin Cities Rd	River Rd	I-5



ID	Roadway	Segment	
		From	To
SC 07	Twin Cities Rd	I-5	Franklin Blvd



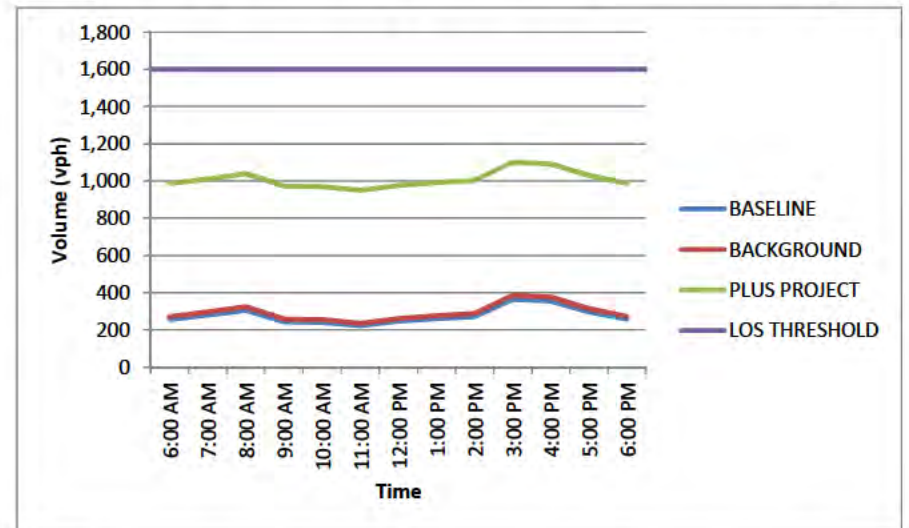
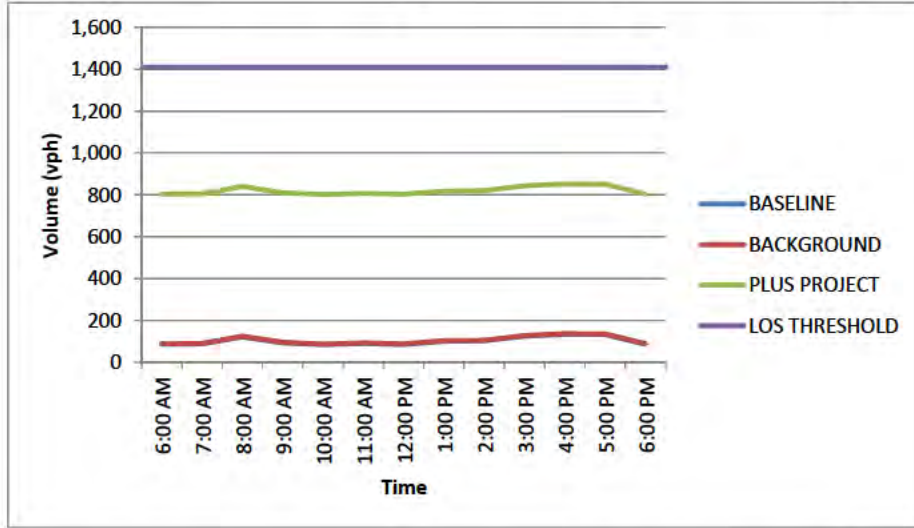
ID	Roadway	Segment	
		From	To
SC 08	Sutter Slough Bridge Rd	Sacramento Co./Yolo Co. Line	Paintersville Bridge



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

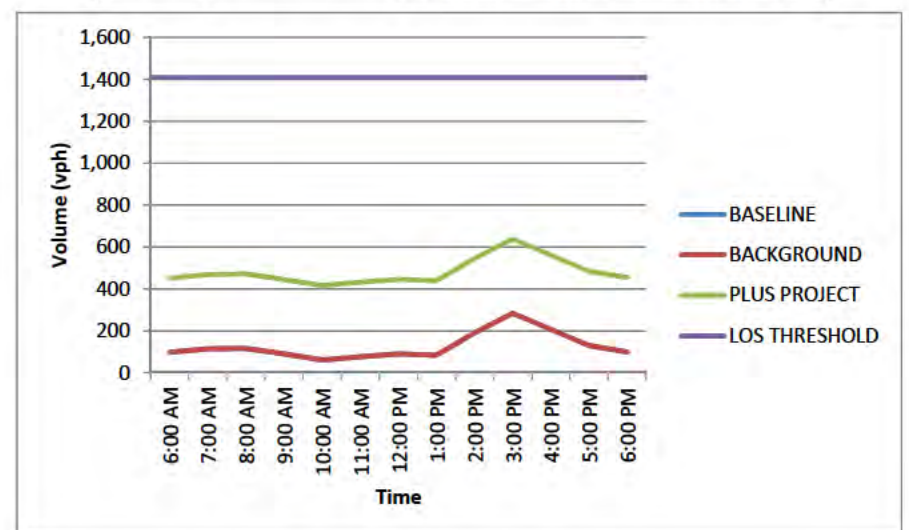
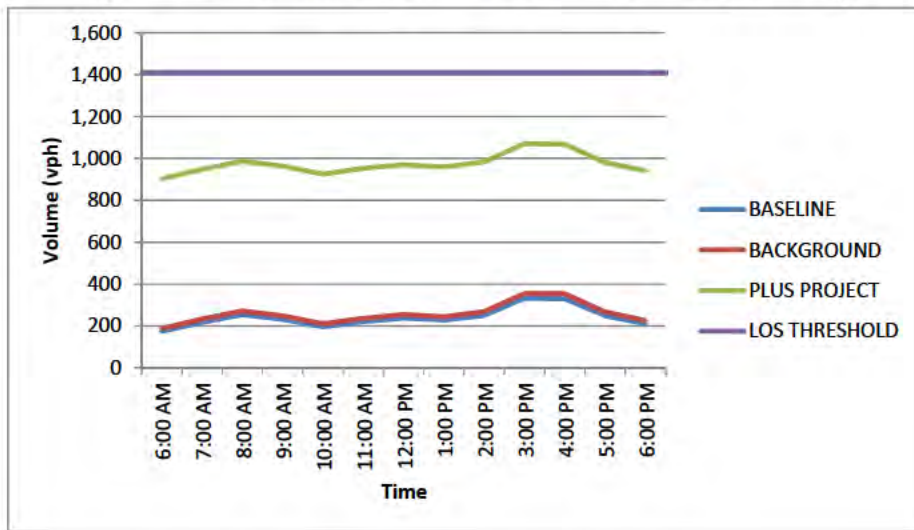
ID	Roadway	Segment	
		From	To
SC 09	River Rd (Sac Co.)	Paintersville Bridge	Twin Cities Rd

ID	Roadway	Segment	
		From	To
SC 10	River Rd (Sac Co.)	Twin Cities Rd	Walnut Grove Bridge



ID	Roadway	Segment	
		From	To
SC 11	Walnut Grove Rd/River Rd	Walnut Grove Bridge	Sacramento Co./SJ Co. Line

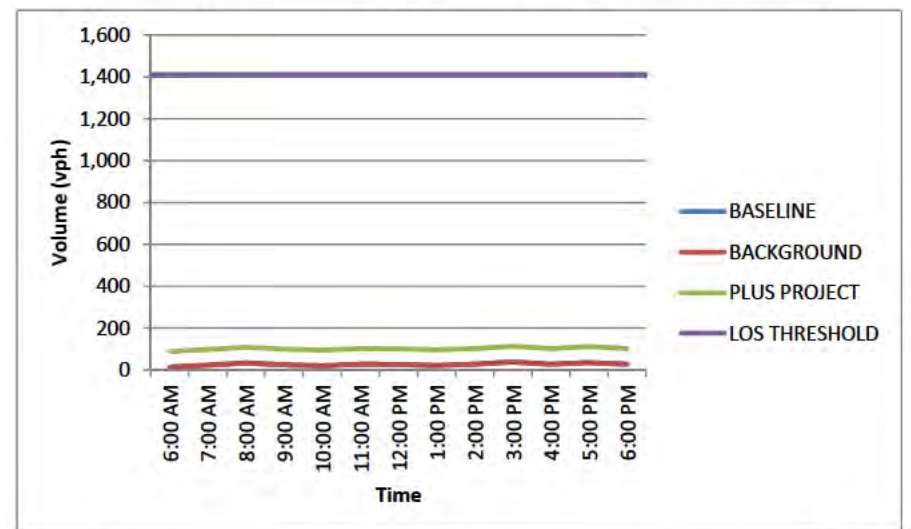
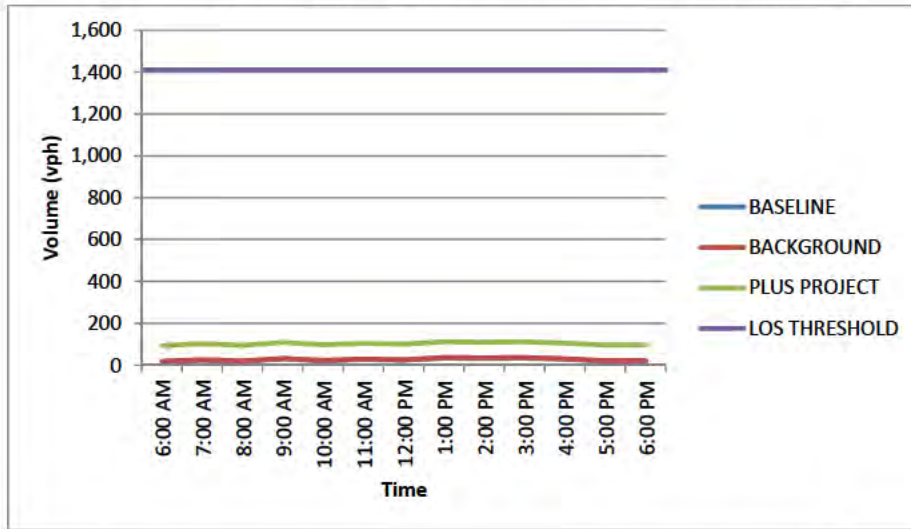
ID	Roadway	Segment	
		From	To
SC 12	Isleton Rd	River Rd (Walnut Grove)/Isleton Rd	1.5 miles west of Isleton Rd Bridge



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Sacramento County

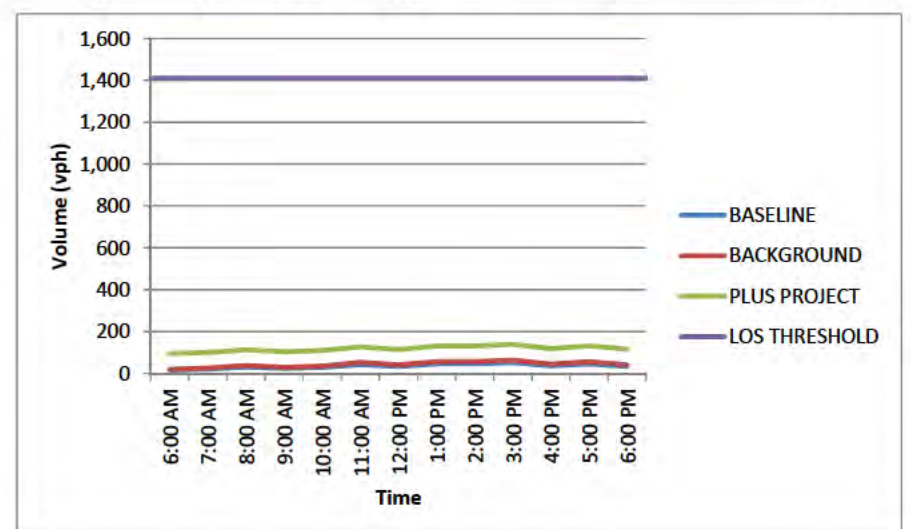
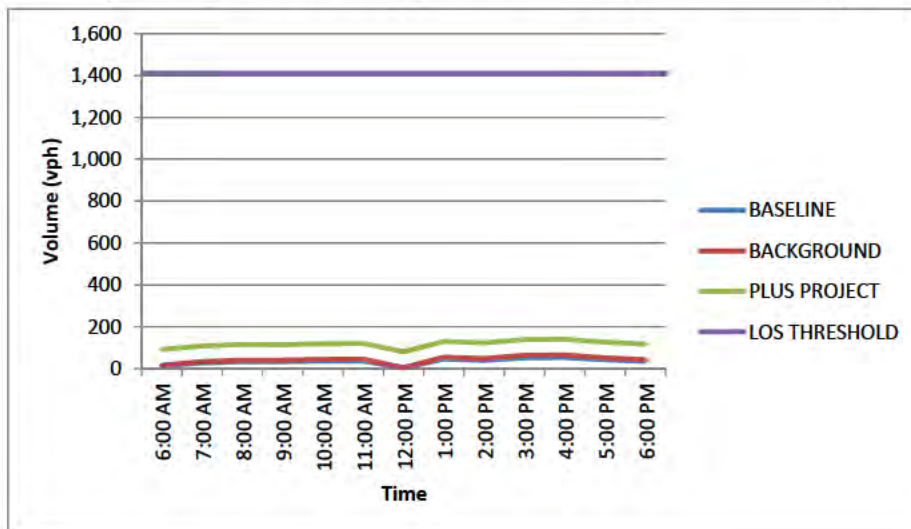
ID	Roadway	Segment	
		From	To
SC 13	Race Track Rd/Tyler Island Rd	Walnut Grove Rd	Southern End of Tyler Island

ID	Roadway	Segment	
		From	To
SC 14	Tyler Island Rd	Southern End of Tyler Island	SR 160 (River Rd)



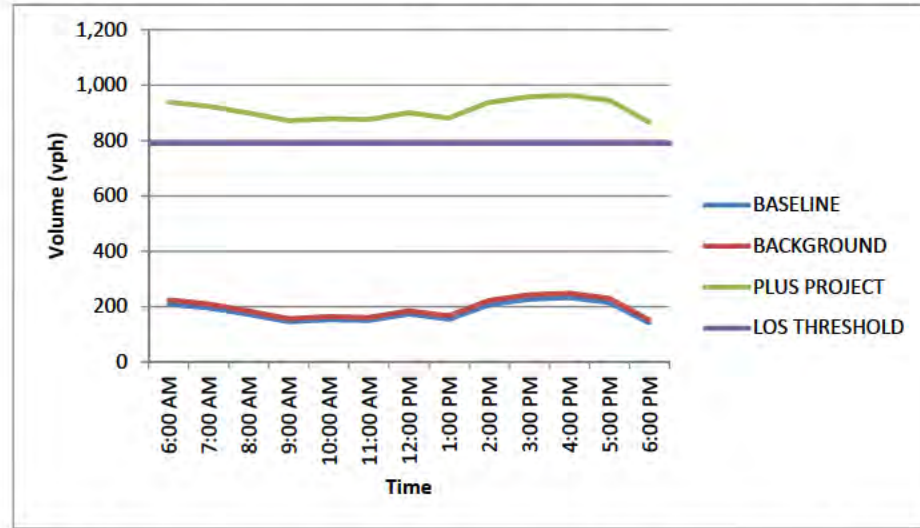
ID	Roadway	Segment	
		From	To
SC 15	Jackson Slough Rd	Isleton City Limits	SR 12

ID	Roadway	Segment	
		From	To
SC 16	Jackson Slough Rd	Brannan Island Rd	SR 12

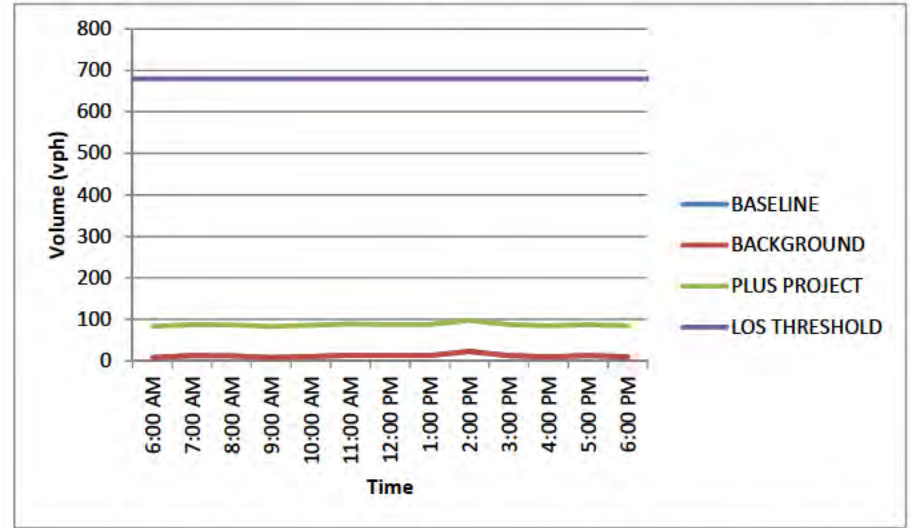


Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - San Joaquin County

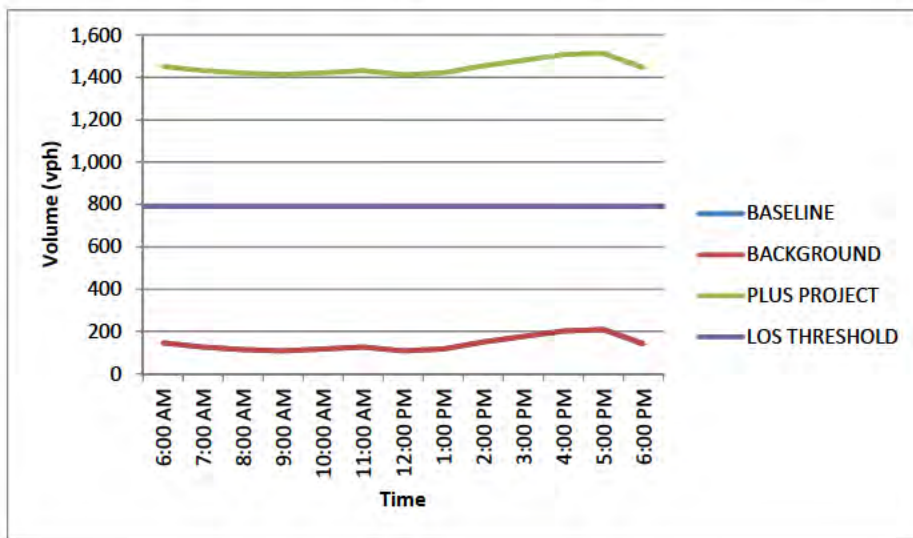
ID	Roadway	Segment	
		From	To
SJ 01	Walnut Grove Rd	Sacramento Co./SJ Co. Line	I-5



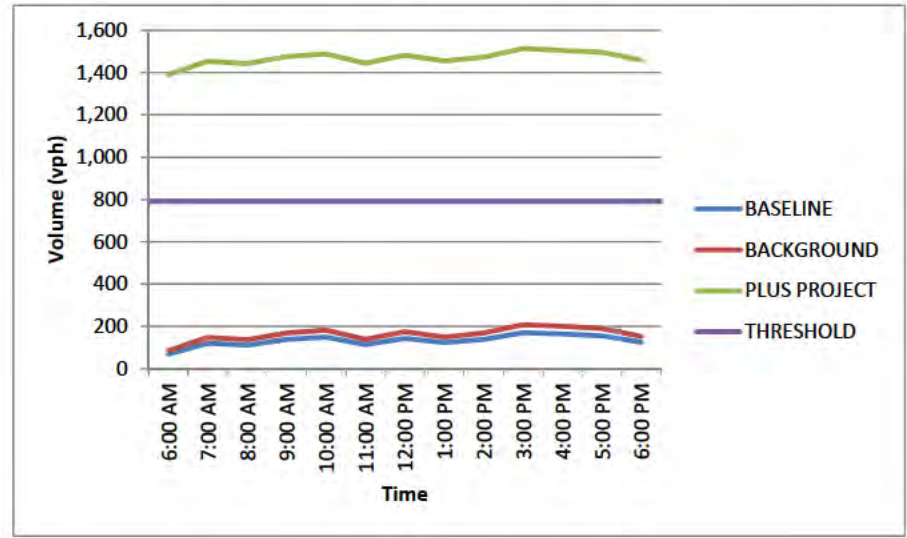
ID	Roadway	Segment	
		From	To
SJ 02	Peltier Rd	Blossom Rd	I-5



ID	Roadway	Segment	
		From	To
SJ 03	Tracy Blvd	SR 4	Clifton Court Rd

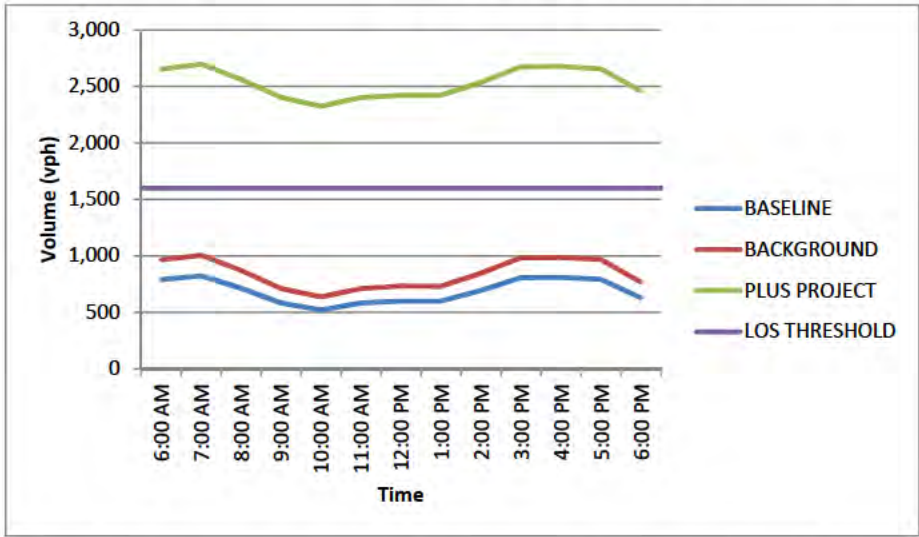


ID	Roadway	Segment	
		From	To
SJ 04	Tracy Blvd	Clifton Court Rd	Tracy City Limits

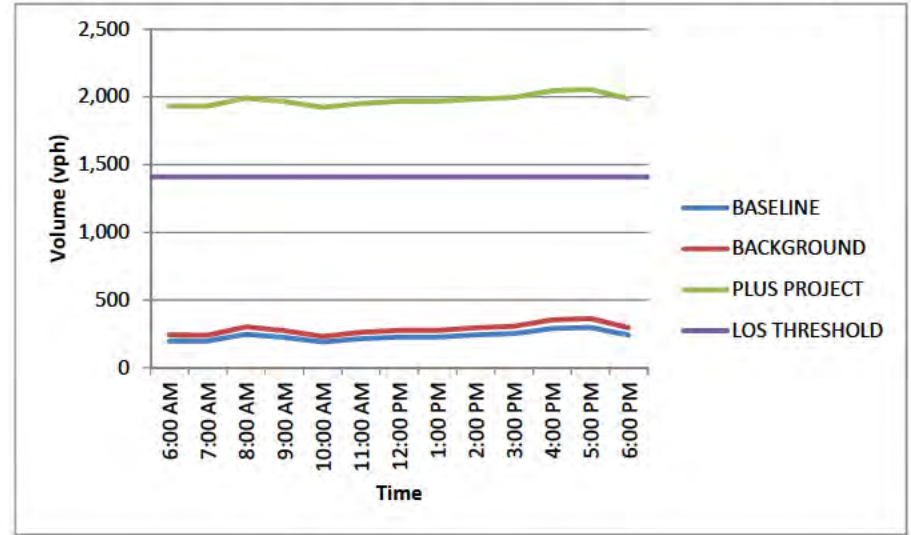


Through Delta / Separate Corridors Alternative 9
Hourly Roadway Volumes and LOS Threshold - San Joaquin County

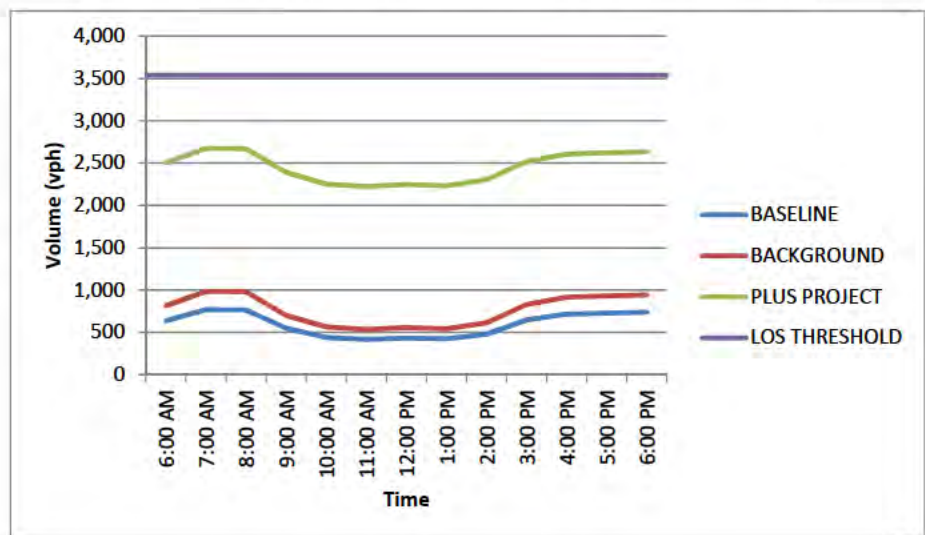
ID	Roadway	Segment	
		From	To
SJ 05	Byron Hwy	Alameda Co./San Joaquin Co. Line	Mountain House Pkwy



ID	Roadway	Segment	
		From	To
SJ 06	Mountain House Pkwy	Byron Hwy	Arnaudo Blvd

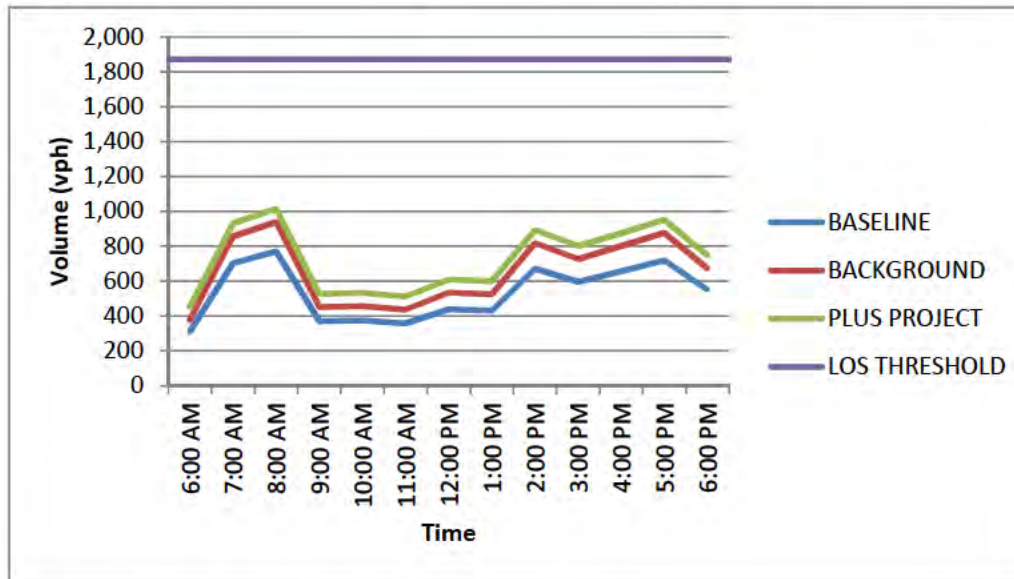


ID	Roadway	Segment	
		From	To
SJ 07	Mountain House Pkwy	Arnaudo Blvd	I-205



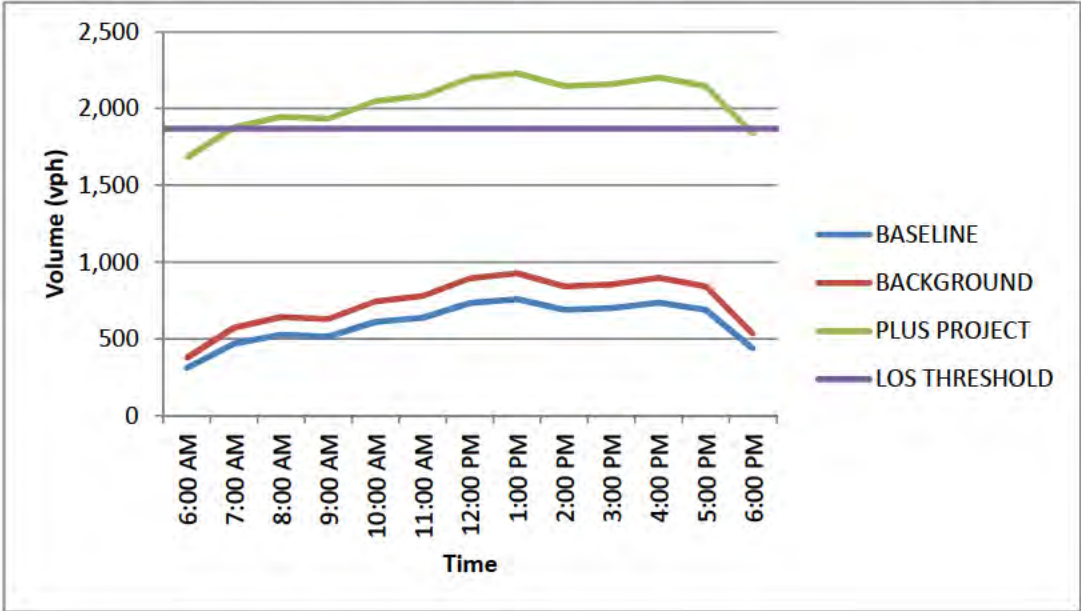
Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Stockton

ID	Roadway	Segment	
		From	To
STK 01	Eight Mile Rd	Stockton City Limits	I-5



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - City of Tracy

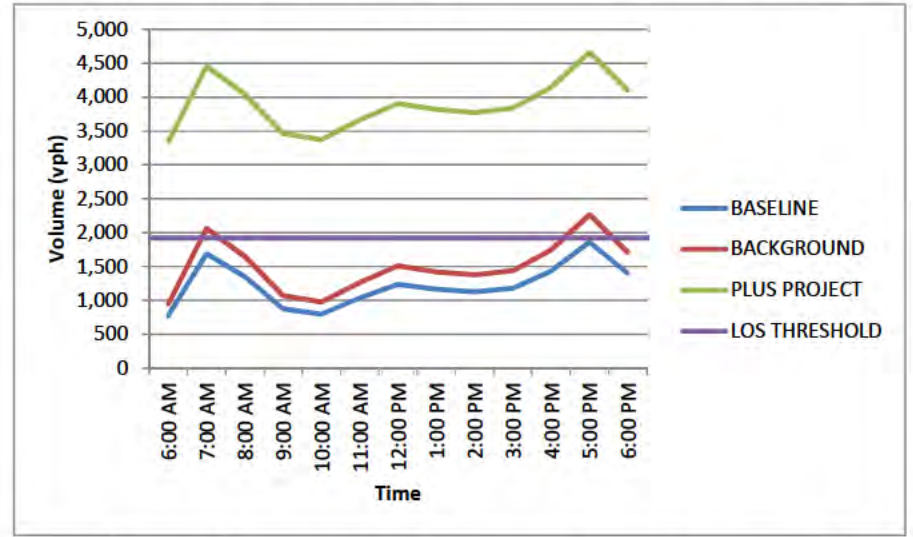
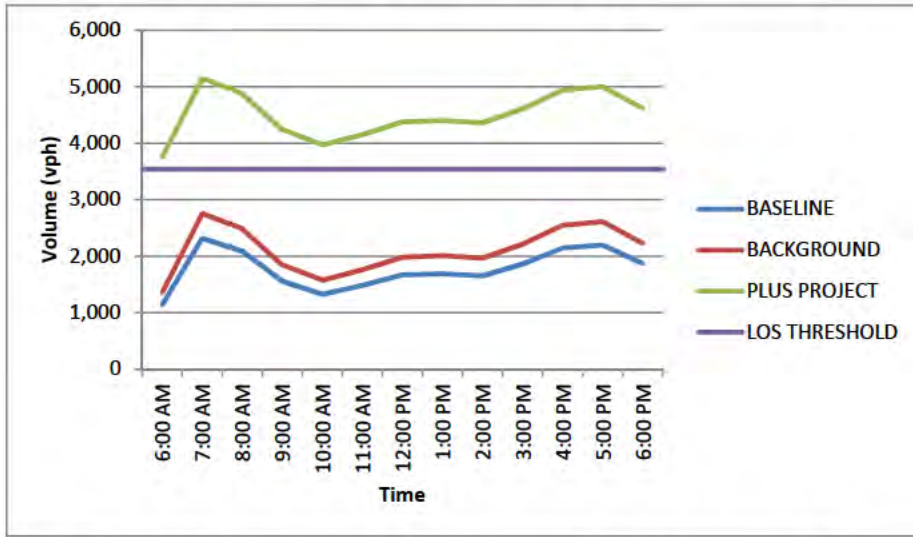
ID	Roadway	Segment	
		From	To
TRA 01	Tracy Blvd	Tracy City Limits	I-205



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - West Sacramento

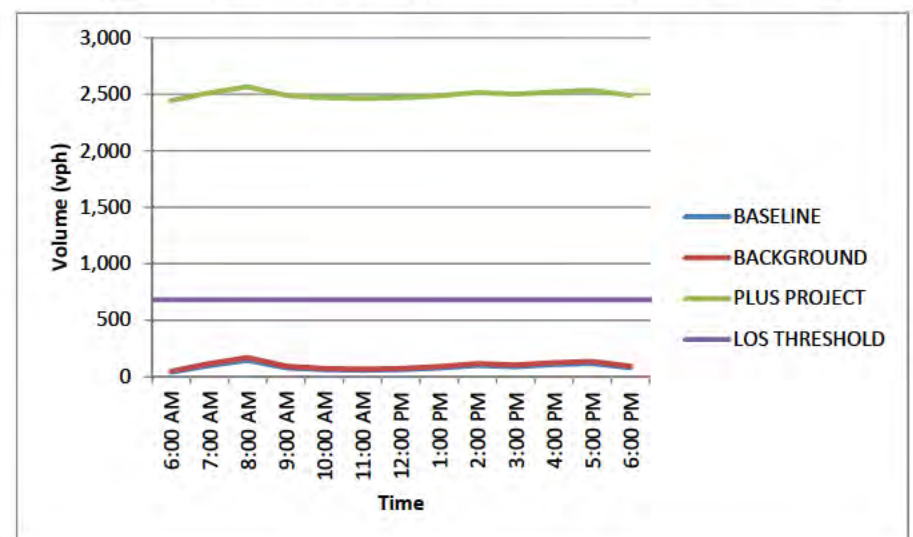
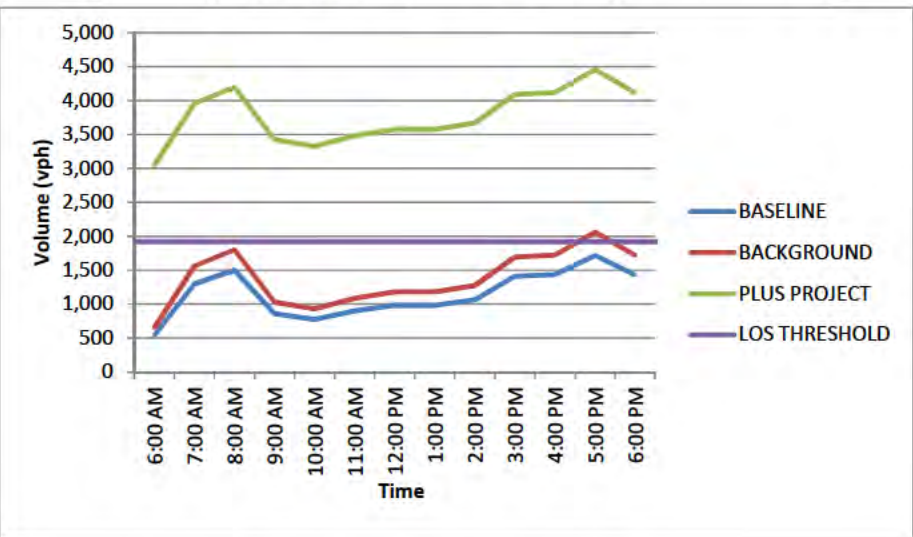
ID	Roadway	Segment	
		From	To
WS 01	Harbor Blvd	Industrial Blvd	US 50

ID	Roadway	Segment	
		From	To
WS 02	Industrial Blvd/ Lake Washington	Harbor Blvd	Jefferson Blvd (Old SR 84)



ID	Roadway	Segment	
		From	To
WS 03	Jefferson Blvd (Old SR 84)	Lake Washington Blvd	Southport Pkwy

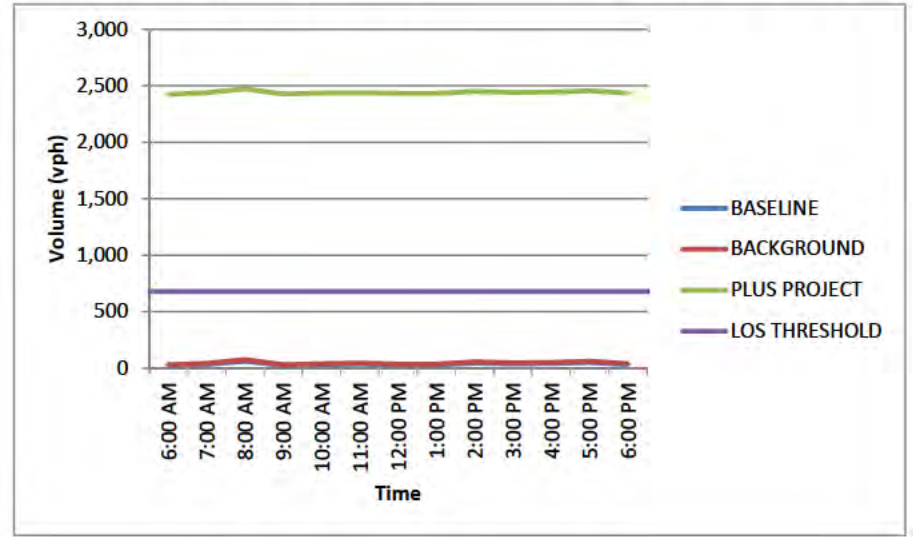
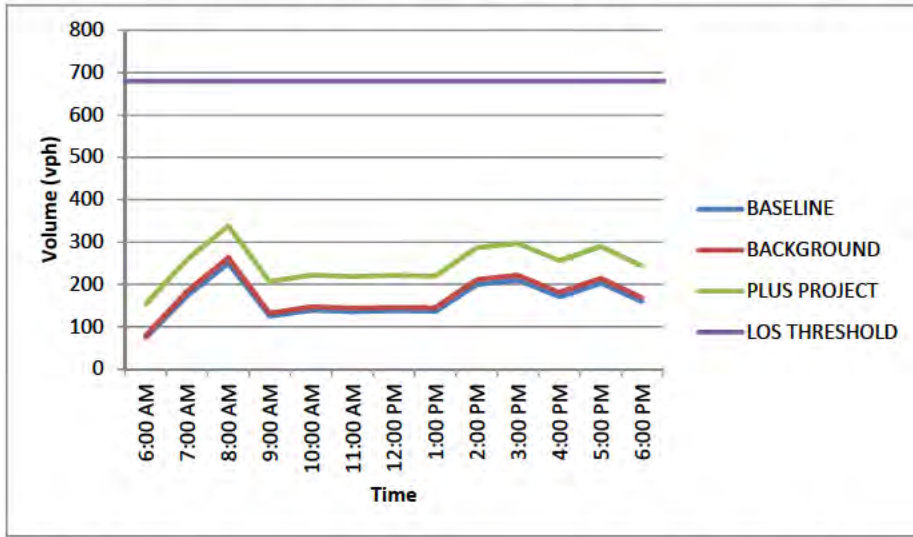
ID	Roadway	Segment	
		From	To
WS 04	Jefferson Blvd (Old SR 84)	Southport Pkwy	West Sacramento City Limits



Through Delta / Separate Corridors Alternative 9
 Hourly Roadway Volumes and LOS Threshold - Yolo County

ID	Roadway	Segment	
		From	To
YOL 01	River Rd (Yolo Co.)	Freeport Bridge	Courtland Rd

ID	Roadway	Segment	
		From	To
YOL 02	River Rd (Yolo Co.)	Courtland Rd	Sacramento Co./Yolo Co. Line



ID	Roadway	Segment	
		From	To
YOL 03	Courtland Rd	SR 84 (Jefferson Blvd)	River Rd

