



City of Emeryville Engineering & Traffic Survey

FINAL Project Report



June 7, 2024

Prepared for:





TABLE OF CONTENTS

Certification.....	1
1 Project Overview	2
2 Methodology	5
3 Data Collection	8
3.1 Radar Speed Survey	8
3.2 Roadway Characteristics.....	9
3.3 Average Daily Traffic (ADT) Counts.....	9
3.4 Collision Data	9
4 Summary of Recommendations	12
4.1 Recommendations for New Surveyed Segments	12
4.2 Recommendations for Segments to Extend the Existing E&TS	14
5 Assembly Bill No. 43 (AB 43) Amended Speed Limit Recommendations	18

TABLES

Table 1.1 – New Surveyed Segments	2
Table 1.2 – Segments to Extend Existing E&TS	3
Table 3.1 – California State Highways Statewide Collision Rates (2020)	10
Table 3.2 – Study Segments Collision Rates.....	11
Table 4.1 – Recommended Speed Limit for New Surveyed Segments	15
Table 4.2 – Speed Limit Recommendation for Existing Study Segments.....	16
Table 5.1 – AB 43 Recommended Speed Limit for New Surveyed Segments.....	20

FIGURES

Figure 1.1 - Study Segments with Existing Speed Limits	4
Figure 4.1 - Study Segments with Recommended Speed Limits	17

APPENDICES

APPENDIX A – Certifications

APPENDIX B – ETS, ADT & Collision Data

APPENDIX C – Summary of Recommendations & One Page Summary Sheets

APPENDIX D – Analysis of 2024 E&TS New Surveyed Segments based on AB 43 Requirements



CERTIFICATION

I certify that the attached Engineering and Traffic Survey for the City of Emeryville, California conforms to California Vehicle Code, Section 627, which defines an engineering and traffic survey and required criteria, and the methodology established in the California Manual on Uniform Traffic Control Devices, 2014 Edition, Revision 8, effective January 2024. I certify that all analyses pertaining to this study were conducted under my direction.

A handwritten signature in black ink, appearing to read "David Huynh", is written over a horizontal line.

David Huynh, P.E.
RCE# 60230



1 PROJECT OVERVIEW

This report presents the results of the Engineering and Traffic Survey (E&TS) conducted for the City of Emeryville along nine (9) roadway segments within the City limits. Additionally, this report includes an evaluation of six (6) roadway segments where an E&TS was conducted in 2016 to extend the validity of the speed limits set by the 2016 E&TS by the number of years as allowed under the current law. Per the California Vehicle Code (CVC), an engineering and traffic survey for speed limits is typically conducted every five years by governing municipalities.

Engineering and traffic surveys for speed limits are regularly conducted by state and local agencies once every five, seven, or 14 years in compliance with CVC Section 40802 to reevaluate non-statutory speed limits on segments of their roadways that have undergone significant changes since the last review. These changes include the addition or elimination of parking, changes in the number of travel lanes, changes in the configuration of bicycle lanes, changes in traffic control, or significant changes in traffic volumes.

The CVC requires that speed surveys be performed with the use of radar or other electronic devices at locations where speed limits are to be enforced with the use of radar. The certifications for the radar guns and the radar operators involved with this project are contained in **Appendix A**. The current survey must be completed within five years as specified in Section 40802(a); seven years as specified in Section 40802(c), or 14 years as specified in Section 40802(c), of the date of the preceding survey.

Table 1.1 summarizes the nine (9) roadway segments where a new E&TS was conducted, and **Table 1.2** summarizes the six (6) roadway segments where evaluation of the existing speed survey was conducted to extend the applicability of the existing 2016 E&TS. **Figure 1.1** illustrates all 15 study segments with existing speed limits.

Table 1.1 – New Surveyed Segments

#	Street	Survey Limits	Length (mi)	Existing Speed Limit (mph)
1	Hollis St	67th St to Powell St	0.7	30
2	Horton St	62nd St to 40th St	0.9	25
3	Christie Ave	65th St to Powell St	0.5	25
4	Powell St	I-80 Frontage Rd to Vallejo St	0.6	30
5	65th St	La Coste St to Vallejo St	0.7	25
6	La Coste St	65th St to 64th St	0.2	25
7	53rd St	Horton St to San Pablo Ave	0.4	25
8	Park Ave	San Pablo Ave to Halleck St	0.6	25
9	Frontage Rd	Powell St to Point Emery Ln	0.6	25



Table 1.2 – Segments to Extend Existing E&TS

#	Street	Survey Limits	Length (mi)	Existing Speed Limit (mph)
10	Hollis St	Powell St to Yerba Buena Ave	0.8	30
11	Powell St	Captain Drive to I-80 Frontage Rd	0.9	30
12	40th St	East abutment of 40th St Bridge to San Pablo Ave	0.6	30
13	Shellmound St	67th St to Christie Ave	0.7	25
14	Shellmound St	Christie Ave to East Abutment of 40th St Bridge	0.9	30
15	Christie Ave	Powell St to Shellmound St	0.2	25

For the segment of Hollis Street, between 67th Street to Powell Street, the 2016 E&TS recommended a speed limit of 25 mph and the City adopted this recommendation. However, the posted speed limit signs along this segment remained unchanged at 30 mph.

The E&TS evaluation was conducted in compliance with regulations set forth in California Vehicle Code Section 627 and the California Manual on Uniform Traffic Control Devices (CA MUTCD) 2014 Revision 7, Section 2B.13. The E&TS consists of engineering measurements of the prevailing speeds along survey segments, a review of accident records, and field review including roadway, traffic, and land use conditions. Other factors considered in an E&TS include residential density and pedestrian and bicycle safety.



Figure 1.1 - Study Segments with Existing Speed Limits





2 METHODOLOGY

The procedures used to formulate recommendations in this report meet the requirements of the California Vehicle Code (CVC) Section 627; Sections 22348 through 22413; and Section 40802 and others referenced in this section, and the California Manual of Uniform Traffic Control Devices (CA MUTCD), Section 2B.13. Summarized below are the sections from the CVC relevant to this study.

CVC Section 627 – Engineering and Traffic Survey

CVC Section 627 provides the definition and requirements of an E&TS study.

“(b) An engineering and traffic survey shall include, among other requirements deemed necessary by the department, consideration of all of the following:

- (1) Prevailing speeds as determined by traffic engineering measurements.*
- (2) Accident records.*
- (3) Highway, traffic, and roadside conditions not readily apparent to the driver.*

(c) When conducting an engineering and traffic survey, local authorities, in addition to the factors set forth in paragraphs (1) to (3), inclusive, of subdivision (b) may consider all of the following:

- (1) Residential density, if any of the following conditions exist on the particular portion of highway and the property contiguous thereto, other than a business district:*
 - (A) Upon one side of the highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures.*
 - (B) Upon both sides of the highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures.*
 - (C) The portion of highway is longer than one-quarter of a mile but has the ratio of separate dwelling houses or business structures to the length of the highway described in either subparagraph (A) or (B).*
- (2) Safety of bicyclists and pedestrians, with increased consideration for vulnerable pedestrian groups including children, seniors, persons with disabilities, users of personal assistive mobility devices, and the unhoused.”*

CVC Section 22352 – Prima Facie Speed Limits

CVC Section 22352 establishes prima facie speed limits for local roads and streets. A speed limit of 15 mph is applicable at railroad crossings and highway intersections, a speed limit of 25 mph is applicable on any highway in any business or residence district, near school zones and senior citizen facilities, contingent on the conditions specified in this CVC section, italicized below.

“The prima facie limits are as follows and shall be applicable unless changed as authorized in this code and, if so changed, only when signs have been erected giving notice thereof:

- (a) Fifteen miles per hour:*



- (1) When traversing a railway grade crossing, if during the last 100 feet of the approach to the crossing the driver does not have a clear and unobstructed view of the crossing and of any traffic on the railway for a distance of 400 feet in both directions along the railway. This subdivision does not apply in the case of any railway grade crossing where a human flag person is on duty or a clearly visible electrical or mechanical railway crossing signal device is installed but does not then indicate the immediate approach of a railway train or car.*
 - (2) When traversing any intersection of highways if during the last 100 feet of the driver's approach to the intersection the driver does not have a clear and unobstructed view of the intersection and of any traffic upon all of the highways entering the intersection for a distance of 100 feet along all those highways, except at an intersection protected by stop signs or yield right-of-way signs or controlled by official traffic control signals.*
 - (3) On any alley.*
- (b) Twenty-five miles per hour:*
- (1) On any highway, in any business or residence district unless a different speed is determined by local authority or the Department of Transportation under procedures set forth in this code.*
 - (2) When approaching or passing a school building or the grounds thereof, contiguous to a highway and posted with a standard "SCHOOL" warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. The prima facie limit shall also apply when approaching or passing any school grounds which are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children and the highway is posted with a standard "SCHOOL" warning sign. For purposes of this subparagraph, standard "SCHOOL" warning signs may be placed at any distance up to 500 feet away from school grounds.*
 - (3) When passing a senior center or other facility primarily used by senior citizens, contiguous to a street other than a state highway and posted with a standard "SENIOR" warning sign. A local authority may erect a sign pursuant to this paragraph when the local agency makes a determination that the proposed signing should be implemented. A local authority may request grant funding from the Active Transportation Program pursuant to Chapter 8 (commencing with Section 2380) of Division 3 of the Streets and Highways Code, or any other grant funding available to it, and use that grant funding to pay for the erection of those signs, or may utilize any other funds available to it to pay for the erection of those signs, including, but not limited to, donations from private sources."*

CVC 22358 and 22358.3 – Reduction of Local Speed Limit to 15 or 20 mph

CVC Section 22358 allows the speed limits along local streets to be established at the lower limit of 20 or 15 mph on the basis of an E&TS.

"Whenever a local authority determines upon the basis of an engineering and traffic survey that the limit of 65 miles per hour is more than is reasonable or safe upon any portion of any street other than a state highway where the limit of 65 miles per hour is applicable, the local authority may by ordinance determine and declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, 25, 20, or 15 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe, which declared prima facie limit shall be effective when appropriate signs giving notice thereof are erected upon the street."



CVC Section 22358.3 allows reduction of speed limits along local streets to 15 or 20 mph in a business or residential districts with street width less than 25 feet, if the E&TS study deems that 25 mph speed limit is reasonable along that street.

“Whenever a local authority determines upon the basis of an engineering and traffic survey that the prima facie speed limit of 25 miles per hour in a business or residence district or in a public park on any street having a roadway not exceeding 25 feet in width, other than a state highway, is more than is reasonable or safe, the local authority may, by ordinance or resolution, determine and declare a prima facie speed limit of 20 or 15 miles per hour, whichever is found most appropriate and is reasonable and safe. The declared prima facie limit shall be effective when appropriate signs giving notice thereof are erected upon the street.”

CVC 22358.6 – 85th-Percentile, Rounding, 5 mph Increment, 5 mph speed reduction and Maximum Speed Reduction

CVC Section 22358.6 allows 5 mph increment or reduction to the radar collected 85th percentile speed to the nearest 5 mph for determining the posted speed limit on a street. This section allows an additional reduction of 5 mph if the reasons are documented in an E&TS study, contingent to this section.

“(a) The Department of Transportation shall, in the next scheduled revision, revise and thereafter maintain the California Manual on Uniform Traffic Control Devices to require the Department of Transportation or a local authority to round speed limits to the nearest five miles per hour of the 85th percentile of the free-flowing traffic.

(b) In cases in which the speed limit needs to be rounded down to the nearest five miles per hour increment of the 85th-percentile speed, the Department of Transportation or a local authority may lower the speed limit by five miles per hour from the nearest five mile per hour increment of the 85th-percentile speed, in compliance with Sections 627 and 22358.5 and the California Manual on Uniform Traffic Control Devices, as it read on March 30, 2021, if the reasons for the lower speed limit are documented in an engineering and traffic survey. The Department of Transportation or a local authority may also take into consideration Sections 22353, 22353.2, 22353.3, 22353.4, and 22353.5, if applicable.

(c) In cases in which the speed limit needs to be rounded up to the nearest five miles per hour increment of the 85th-percentile speed, the Department of Transportation or a local authority may decide to instead round down the speed limit to the lower five miles per hour increment. If the speed limit is rounded down pursuant to this subdivision, the speed limit shall not be reduced any further pursuant to subdivision (b).

(d) In addition to subdivisions (b) and (c), a local authority may additionally lower the speed limit as provided in Section 22358.7.

(e) The total reduction in the speed limit pursuant to subdivisions (a) to (d), inclusive, shall not exceed 12.4 miles per hour from the 85th percentile speed.

(f) Notwithstanding subdivisions (a) to (e), inclusive, a local authority may retain the currently adopted speed limit as provided in Section 22358.8 without further reduction or restore the immediately prior adopted speed limit as provided in Section 22358.8 without further reduction.”

CVC Section 22358.8 – Retain Existing Speed Limits

CVC Section 22358.8 allows local agencies to retain an existing speed limit, or restore the immediately prior



speed limit, if that speed limit was established after completing an E&TS study and is evaluated by a registered traffic engineer.

(a) If a local authority, after completing an engineering and traffic survey, finds that the speed limit is still more than is reasonable or safe, the local authority may, by ordinance, retain the currently adopted speed limit or restore the immediately prior adopted speed limit if that speed limit was established with an engineering and traffic survey and if a registered engineer has evaluated the section of highway and determined that no additional general purpose lanes have been added to the roadway since completion of the traffic survey that established that speed limit.

(b) This section does not authorize a speed limit to be reduced by any more than five miles per hour from the currently adopted speed limit nor below the immediately prior speed limit.

(c) A local authority shall issue only warning citations for violations of exceeding the speed limit by 10 miles per hour or less for the first 30 days that a lower speed limit is in effect as authorized by this section.

3 DATA COLLECTION

Per CVC Section 627, an E&TS evaluation requires at a minimum: prevailing speeds as determined by traffic engineering measurements, accident records, and roadside conditions not readily apparent to the driver. It also recommends evaluating residential density and safety of pedestrians and bicyclists. The following sections summarize the data collection efforts conducted for the study.

3.1 Radar Speed Survey

Traffic speed surveys were conducted with calibrated radar guns on days with typical weather conditions and during off-peak periods. A minimum of 100 vehicle speed measurements were recorded at each survey location (total for both directions) on Tuesday, June 27, 2023, and Wednesday, June 28, 2023. The certificate of calibration for the radar gun and tuning fork used are provided in **Appendix A**. **Appendix B** provides radar speed surveys conducted at the nine study segments.

The speed survey conducted summarizes the following metrics at the nine roadway segments:

- Street surveyed
- Precise location
- Street direction
- Date/day of the survey
- Start time & end time of survey
- Number of vehicles surveyed
- 85th percentile speed, 50th percentile speed, 10 mile pace
- Percent and number of vehicles observed within the 10 mph pace speed
- Percent and number of vehicles observed below pace
- Percent and number of vehicles observed above pace
- Range of speeds observed and standard deviation

A brief description of the metrics are provided below:

- **50th Percentile Speed (Median Speed):** This is the speed at which 50 percent of the vehicles



sampled are travelling at or below posted speed limit.

- **85th Percentile Speed (Critical Speed):** The 85th percentile speed is the speed at or below which 85 percent of the drivers travel on a road segment. Motorists traveling above the 85th percentile speed are exceeding the safe and reasonable speed for road and traffic conditions.
- **10 mph Pace Speed:** The 10-mph pace is the range of speed at which most cars are traveling on a particular stretch of road. While the 85th percentile is the maximum speed that 85% of drivers will not exceed, the 10-mph pace is the range of speed at which those cars are moving.
- **Average Speed:** The average speed is the cumulative speed of the surveyed vehicles divided by the number of vehicles.
- **Speed Range:** The range of speed is the speed range between the fastest and slowest vehicles observed. A large difference in speed range (30 mph, for example) indicates less favorable conditions than a smaller range. The greater the range, the more inconsistency in travel speeds resulting in a greater likelihood of traffic collisions. In general, uniform speeds result in the smooth progression of traffic.

3.2 Roadway Characteristics

A field review was conducted for all segments included in the study. The field review included driving each street to determine the speed of traffic that is reasonable from the driver's viewpoint, review of existing speed limit signs, visibility, roadway characteristics such as presence of driveways, medians, bicycle lanes, uncontrolled crosswalks, vertical and horizontal curves, on-street parking, sidewalks, and pavement condition, adjacent land use, and any current construction activities that would impact travel speed.

3.3 Average Daily Traffic (ADT) Counts

City of Emeryville staff provided historical average daily traffic counts at most study locations. New ADT counts were collected at five study locations where either no data was available or the data available was over five years old. These counts were used to determine the accident rates for each roadway segment, which is used in evaluating the appropriate speed limit for each segment. **Appendix B** provides all ADT data used for this study.

3.4 Collision Data

Collisions reported from June 1, 2020, to May 31, 2023 (total of three years) were obtained from Statewide Integrated Traffic Records System (SWITRS) and evaluated for all study segments. **Appendix B** provides the collision data used for this study. The total collisions along each segment were used to determine the collision rate/accidents per million vehicle miles (ACC/MVM) and compared to the statewide average collision rate for similar segments obtained from Caltrans 2020 Crash Data on California State Highways (road miles, travel, crashes, crash rates). The analysis uses the following formulae.

Number of Years of Collision Data	3
Million Vehicle Miles (MVM)	$(AADT * \text{segment length} * 365 * \text{number of years}) / 1,000,000$
Crash Rate	Total Number of Crashes/MVM



Table 3.1 provides a summary of the California State Highways statewide collision rates (2020) and **Table 3.2** summarizes the calculated collision rates for each roadway segment.

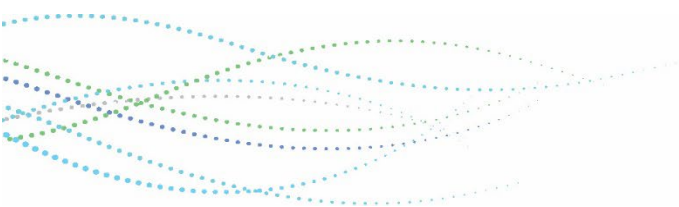
Table 3.1 – California State Highways Statewide Collision Rates (2020)

Lane Type	Total Crashes Per MCM
Urban (Inside City) 2 and 3 Lanes	1.44
Urban (Inside City) 4+ Lanes (Undivided)	0.97
Urban (Inside City) 4+ Lanes (Divided)	1.02



Table 3.2 – Study Segments Collision Rates

#	Street	Survey Limits	Length of Roadway Segment (miles (mi))	Total Collisions	Pedestrian/ Bicycle Collisions	Speed Related Collisions	Non- Intersection/ Mid-Block Collisions	ADT	ADT Data Year	MVM	Crash Rate	Statewide Average Collision Rate (2020)	Crash Rate lower than Statewide Average?
1	Hollis St	67th St to Powell St	0.7	21	1	2	8	5915	2022	4.53	4.63	1.44	No
2	Horton St	62nd St to 40th St	0.9	2	1	0	0	3303	2019	3.26	0.61	1.44	Yes
3	Christie Ave	65th St to Powell St	0.5	12	0	1	7	4988	2023	2.73	4.39	1.44	No
4	Powell St	I-80 Frontage Rd to Vallejo St	0.6	43	5	10	12	39305	2017	25.82	1.67	1.02	No
5	65th St	La Coste St to Vallejo St	0.7	6	0	1	3	3833	2017	2.94	2.04	1.44	No
6	La Coste St	65th St to 64th St	0.2	0	0	0	0	239	2023	0.05	0.00	1.44	Yes
7	53rd St	Horton St to San Pablo Ave	0.4	2	0	0	1	1959	2019	0.86	2.33	1.44	No
8	Park Ave	San Pablo Ave to Halleck St	0.6	2	0	0	1	3324	2023	2.18	0.92	1.44	Yes
9	Frontage Rd	Powell St to Point Emery Ln	0.6	6	0	3	4	4931	2023	3.24	1.85	1.44	No
Extend Existing Speed Survey													
10	Hollis Street	Powell Street to Yerba Buena Avenue	0.8	0	0	0	0	6938	2022	6.08	0.00	1.44	Yes
11	Powell Street	Captain Dr to I-80 Frontage Rd	0.9	5	0	2	4	3639	2023	3.59	1.39	1.44	Yes
12	40th Street	East abutment of 40th Street Bridge to San Pablo Avenue	0.6	13	0	7	6	17288	2017	11.36	1.14	1.02	No
13	Shellmound Street	67th Street to Christie Avenue	0.7	12	1	0	8	6222	2017	4.77	2.52	1.44	No
14	Shellmound Street	Christie Avenue to East Abutment of 40th Street Bridge	0.9	6	1	3	5	17379	2017	17.13	0.35	0.97	Yes
15	Christie Avenue	Powell Street to Shellmound Street	0.2	11	0	3	7	13694	2017	3.00	3.67	0.97	No





4 SUMMARY OF RECOMMENDATIONS

The recommended speed limit for each study segment was determined based on the average speed, 85th percentile speed, pace speed and considering other significant factors such as existing land use, residential density, pedestrian and bike safety, parking, roadway design characteristics and accident rates for the study segments. **Table 4.1** summarizes the metrics used to evaluate and determine the recommended speed limit at the nine (9) new surveyed segments included in this E&TS study. **Appendix C** provides the summary of recommendations tables provided in this report and one-page summary sheets for the nine new segments. **Table 4.2** summarizes the findings for the six (6) roadway segments where the current speed limit that was established by the 2016 E&TS are recommended to be extended. **Figure 4.1** illustrates the recommended speed limits for all 15 segments.

The engineering and traffic surveys contained in this report are intended to establish or justify posted speed limits that can be enforced by radar. Posted speed limits advise the motorist and enforcement agencies of the reasonable speed for a particular section of highway for prevailing conditions. The posted speed limits are not absolute maximums, but rather prima facie speed limits for which violations would be cited under the Basic Speed Law (Section 22350 of the CVC).

4.1 Recommendations for New Surveyed Segments

1. Hollis Street (67th Street to Powell Street)

The 85th percentile speed, when rounded to the nearest 5 mph increment, would be 35 mph and would result in an increase over the current posted speed. However, CVC Section 22358.6 (c), allows a local agency to round downward to the next 5 mph increment below, rather than upward to the nearest 5 mph increment above. CVC Section 22358.6 (d), (e), and Section 22358.7 (2), allow a further reduction by 5 mph if a portion of the study segment is adjacent to facilities that generate high concentrations of bicyclists and/or pedestrians, especially those from vulnerable groups such as children, seniors, persons with disabilities, and the unhoused. This section of Hollis Street experiences heavy pedestrian traffic and has a hospital and park fronting it. Additionally, CVC Section 22358.8 allows a local agency to retain the current speed limit or restore the immediately prior speed limit if that speed limit was established with an E&TS. A 25 mph speed limit was adopted in 2016 based on the prior 2016 E&TS. Hence the recommended speed limit is 25 mph.

2. Horton Street (62nd Street to 40th Street)

The 85th percentile speed, when rounded off to the nearest 5 mph increment, is consistent with the existing posted speed limit of 25 mph. The 10 mph pace speed ranges from 18 mph to 27 mph. This section of Horton Street fronts several commercial businesses and is classified as a Bicycle Boulevard per the City's General Plan. Thus, an additional 5 mph reduction is applied in accordance with CVC Section 22358.6 (b) and Section 22358.4 (a)(1). The recommended speed limit is 20 mph. The 20 mph speed limit falls within the 10 mph pace speed range.

3. Christie Avenue (65th Street to Powell Street)

The 85th percentile speed, when rounded off to the nearest 5 mph increment, is consistent with the existing posted speed limit of 25 mph. The 10 mph pace speed ranges from 17 mph to 26 mph and the collision rate on this corridor is higher than the statewide average collision rate. This section of Christie



Street fronts Christie Park and several commercial businesses generating high volumes of bicycles and pedestrians. Thus, an additional 5 mph reduction is applied in accordance with CVC Section 22358.6 (b) and Section 22358.4 (a)(1). The recommended speed limit is 20 mph. The 20 mph speed limit falls within the 10 mph pace speed range.

4. Powell Street (I-80 Frontage Road to Vallejo Street)

The 85th percentile speed, when rounded to the nearest 5 mph increment, would be 35 mph and would result in an increase of the speed limit by 5 mph over the current posted speed. The 10 mph pace speed ranges from 27 mph to 36 mph and the collision rate along this roadway segment is higher than the statewide average collision rate. Hence, per CVC Section 22358.6 (b), the existing speed limit of 30 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.

5. 65th Street (La Coste Street to Vallejo Street)

The 85th percentile speed, when rounded to the nearest 5 mph increment, would be 30 mph and would result in an increase of the speed limit by 5 mph over the current posted speed. The 10 mph pace speed ranges from 20 mph to 29 mph and the collision rate along this roadway segment is higher than the statewide average collision rate. Hence, per CVC Section 22358.6 (c), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.

6. La Coste Street (65th Street to 64th Street)

The 85th percentile speed, when rounded to the nearest 5 mph increment, would be 30 mph and would result in an increase of the speed limit by 5 mph over the current posted speed. The 10 mph pace speed ranges from 22 mph to 31 mph and falls with the existing speed limit. Per CVC Section 22358.6 (b), the existing speed limit of 25 mph is recommended to be maintained.

7. 53rd Street (Horton Street to San Pablo Avenue)

The 85th percentile speed, when rounded to the nearest 5 mph increment, is consistent with the existing posted speed limit of 25 mph. The 10 mph pace speed ranges from 19 mph to 28 mph. The collision rate along this roadway segment is higher than the statewide average collision rate. This section of 53rd St fronts a school and several commercial businesses and residences and is classified as a Bicycle Boulevard per the City's General Plan. Hence, per CVC Section 22358.6 (b) and Section 22358.4 (a)(1), the recommended speed limit is 20 mph. The 20 mph speed limit falls within the 10 mph pace speed range.

8. Park Avenue (San Pablo Avenue to Hallbeck Street)

The 85th percentile speed, when rounded to the nearest 5 mph increment, would be 30 mph and would result in an increase of the speed limit by 5 mph over the current posted speed. The 10 mph pace speed ranges from 20 mph to 29 mph. Hence, per CVC Section 22358.6 (c), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.

9. Frontage Road (Powell Street to Point Emery Lane)

The 85th percentile speed, when rounded to the nearest 5 mph increment, would be 30 mph and would result in an increase of the speed limit by 5 mph over the current posted speed. The 10 mph pace speed ranges from 23 mph to 32 mph and the collision rate along this roadway segment is higher than the statewide average collision rate. Hence, per CVC Section 22358.6 (b), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.



4.2 Recommendations for Segments to Extend the Existing E&TS

Pursuant to CVC Section 40802, jurisdictions are required to have a valid speed zone survey for officers to enforce the posted speed limit on public streets. The survey is valid for five years (CVC Section 40802 (a)) but can be valid for seven years if citing officers have proper training and the electronic speed measuring device has the proper certifications (CVC Section 40802 (c)) and can remain valid for 14 years if a registered engineer determines no significant changes in roadway or traffic conditions have occurred, including but not limited to changes in adjoining property or land use, roadway width, or traffic volume (CVC 40802 (c)).

The City of Emeryville conducted an E&TS study for the six study segments listed in **Table 4.2** in 2016. The study and recommended speed limits were adopted in January 2018. The City Engineers Office reviewed the speed zone surveys for the six segments in December 2021 and extended the speed zone survey by an additional two years (seven years criteria) effective until December 2023.

This study further reviewed the six study segments to recommend an extension up to 14 years based on CVC 40802 (c) as aforementioned.

Based on the review of the roadway segments and in consultation with City Staff, there were no major projects affecting traffic volumes and/or roadway modifications since the last 2016 E&TS. Given these conditions, it is recommended to extend the 2016 E&TS to 14 years with a complete update to the Citywide Speed Survey completed prior to the year 2030.



Table 4.1 – Recommended Speed Limit for New Surveyed Segments

#	Street	Survey Limits	Length of Roadway Segment (mi)	Existing Speed Limit (mph)	ADT	Total Collisions	Crash Rate	Statewide Average Collision Rate (2019)	Crash Rate lower than Statewide Average?	50th Percentile Speed/Mean Speed (mph)	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percentage of Vehicles in Pace (%)	Recommended Speed Limit (mph)	Speed Limit Change Justification
1	Hollis St	67th St to Powell St	0.7	30	5,915	21	4.63	1.39	No	28.5	32.5	22-33	84.0	25	CVC Section 22358.6 (c), (d), and Section 22358.7 (2)
2	Horton St	62nd St to 40th St	0.9	25	3,303	2	0.61	1.39	Yes	23.0	27.0	18-27	85.0	20	CVC Section 22358.6 (b)and Section 22358.4 (a)(1),
3	Christie Ave	65th St to Powell St	0.5	25	4,988	12	4.39	1.39	No	22.0	26.0	17-26	75.0	20	CVC Section 22358.6 (b)and Section 22358.4 (a)(1),
4	Powell St	I-80 Frontage Rd to Vallejo St	0.6	30	39,305	43	1.67	1.18	No	30.0	36.0	27-36	81.0	30	CVC Section 22358.6 (b)
5	65th St	La Coste St to Vallejo St	0.7	25	3,833	6	2.04	1.39	No	25.0	29.0	20-29	85.0	25	CVC Section 22358.6 (c)
6	La Coste St	65th St to 64th St	0.2	25	239	0	0.00	1.39	Yes	26.0	31.0	22-31	81.0	25	CVC Section 22358.6 (b)
7	53rd St	Horton St to San Pablo Ave	0.4	25	1,959	2	2.33	1.39	No	24.0	27.0	19-28	89.0	20	CVC Section 22358.6 (b)and Section 22358.4 (a)(1),
8	Park Ave	San Pablo Ave to Halleck St	0.6	25	3,324	2	0.92	1.39	Yes	25.0	29.0	20-29	84.0	25	CVC Section 22358.6 (c)
9	Frontage Rd	Powell St to Point Emery Ln	0.6	25	4,931	6	1.85	1.39	No	29.0	32.0	23-32	80.0	25	CVC Section 22358.6 (b)



Table 4.2 – Speed Limit Recommendation for Existing Study Segments

#	Street	Survey Limits	Length of Roadway Segment (mi)	Existing Speed Limit* (mph)	ADT	Total Collisions	Crash Rate (2020-2023)	Statewide Average Collision Rate (2020)	Crash Rate (2013-2016)	Crash Rate lower than Statewide Average?	50th Percentile Speed/Mean Speed* (mph)	85th Percentile Speed* (mph)	10 mph Pace Speed* (mph)	Percentage of Vehicles in Pace* (%)	Recommended Speed Limit* (mph)
10	Hollis St	Powell St to Yerba Buena Ave	0.8	30	6,938	0	0.00	1.07	0.79	Yes	27.2	29.9	23-32	98.5	30
11	Powell St	Captain Drive to I-80 Frontage Rd	0.9	30	3,639	18	1.39	1.07	0.59	No	30.2	32.8	25-34	96.0	30
12	40th St	East abutment of 40th St Bridge to San Pablo Ave	0.6	30	17,288	13	1.14	0.64	1.22	No	32.3	35.5	29-38	92.0	30
13	Shellmound St	67th St to Christie Ave	0.7	25	6,222	12	2.52	1.07	1.48	No	25.0	27.9	22-31	94.2	25
14	Shellmound St	Christie Ave to East Abutment of 40th St Bridge	0.9	30	17,379	6	0.35	0.66	1.92	Yes	28.2	31.3	24-33	92.0	30
15	Christie Ave	Powell St to Shellmound St	0.2	25	13,694	11	3.67	1.61	2.88	No	23.0	25.4	19-28	97.0	25

Notes:
* Obtained from 2016 Approved ETS



Figure 4.1 - Study Segments with Recommended Speed Limits





5 ASSEMBLY BILL NO. 43 (AB 43) AMENDED SPEED LIMIT RECOMMENDATIONS

This section amends the analysis and recommendations provided in the Final E&TS Project Report submitted to the City of Emeryville on February 28, 2024, to include Assembly Bill 43 requirements which will be in effect by June 30, 2024.

The California Legislature passed Assembly Bill 43 – Traffic Safety in September 2021, the bill was introduced by Assembly Member Laura Friedman from the 43rd Assembly District in Southern California.

The bill changes the process by which E&TS studies are prepared by authorizing local agencies to consider the safety of vulnerable pedestrian groups in addition to the traditional speed limit determination process based on prevailing speeds and road conditions. The bill also introduces the ability to establish permanent 15- and 20-MPH speed limits on roads that were historically only implemented as part of special speed zone segments along school routes or senior center areas. The speed limits determined by AB 43 will take effect by June 30, 2024.

AB 43 amends sections 627, 21400, 22352, 22354, 22358, and 40802, and adds to sections 22358.6, 22358.7, 22358.8, and 22358.9 of the CVC, relating to traffic safety. The CA MUTCD 2014, Revision 8 includes standards and guidelines to implement the changes to existing E&TS studies authorized by AB 43.

The analysis conducted under this section utilizes CVC Section 22358.7(a)(2) for land or facility that generates high concentration of bicycles and pedestrians and CVC Section 22358.9 – Prima facie speed limit on a highway contiguous to a business activity district to assess and recommend further speed limit reduction at the nine newly surveyed segments. Summarized below are the sections from the CVC relevant to this study. The revised CA MUTCD 2014, Revision 8 (January 11, 2024), Section 2B.13 and Table 2B-106(CA) is also used for this study.

CVC Section 22358.7 – Reducing Speed Limits

(a) If a local authority, after completing an engineering and traffic survey, finds that the speed limit is still more than is reasonable or safe, the local authority may, by ordinance, determine and declare a prima facie speed limit that has been reduced an additional five miles per hour for either of the following reasons:

- (1) The portion of highway has been designated as a safety corridor. A local authority shall not deem more than one-fifth of their streets as safety corridors.
- (2) The portion of highway is adjacent to any land or facility that generates high concentrations of bicyclists or pedestrians, especially those from vulnerable groups such as children, seniors, persons with disabilities, and the unhoused.

(b)

- (1) As used in this section, “safety corridor” shall be defined by the Department of Transportation in the next revision of the California Manual on Uniform Traffic Control Devices. In making this determination, the department shall consider highways that have the highest number of serious injuries and fatalities based on collision data that may be derived from, but not limited to, the Statewide Integrated Traffic Records System.

- (2) The Department of Transportation shall, in the next revision of the California Manual on



Uniform Traffic Control Devices, determine what constitutes land or facilities that generate high concentrations of bicyclists and pedestrians, as used in paragraph (2) of subdivision (a). In making this determination, the department shall consider density, road use type, and bicycle and pedestrian infrastructure present on a section of highway.

(c) A local authority may not lower a speed limit as authorized by this section until June 30, 2024, or until the Judicial Council has developed an online tool for adjudicating infraction violations statewide as specified in Article 7 (commencing with Section 68645) of Chapter 2 of Title 8 of the Government Code, whichever is sooner.

(d) A local authority shall issue only warning citations for violations of exceeding the speed limit by 10 miles per hour or less for the first 30 days that a lower speed limit is in effect as authorized by this section.

CVC Section 22358.9 - Prima facie speed limit on a highway contiguous to a business activity district

a)

(1) Notwithstanding any other law, a local authority may, by ordinance, determine and declare a 25 or 20 miles per hour prima facie speed limit on a highway contiguous to a business activity district when posted with a sign that indicates a speed limit of 25 or 20 miles per hour.

(2) The prima facie limits established under paragraph (1) apply only to highways that meet all of the following conditions:

(A) A maximum of four traffic lanes.

(B) A maximum posted 30 miles per hour prima facie speed limit immediately prior to and after the business activity district, if establishing a 25 miles per hour speed limit.

(C) A maximum posted 25 miles per hour prima facie speed limit immediately prior to and after the business activity district, if establishing a 20 miles per hour speed limit.

(b) As used in this section, a "business activity district" is that portion of a highway and the property contiguous thereto that includes central or neighborhood downtowns, urban villages, or zoning designations that prioritize commercial land uses at the downtown or neighborhood scale and meets at least three of the following requirements in paragraphs (1) to (4), inclusive:

(1) No less than 50 percent of the contiguous property fronting the highway consists of retail or dining commercial uses, including outdoor dining, that open directly onto sidewalks adjacent to the highway.

(2) Parking, including parallel, diagonal, or perpendicular spaces located alongside the highway.

(3) Traffic control signals or stop signs regulating traffic flow on the highway, located at intervals of no more than 600 feet.

(4) Marked crosswalks not controlled by a traffic control device.

(c) A local authority shall not declare a prima facie speed limit under this section on a portion of a highway where the local authority has already lowered the speed limit as permitted under Section 22358.7, has retained the currently adopted speed limit under Section 22358.8, or has restored the immediately prior adopted speed limit under Section 22358.8.

(d) A local authority shall issue only warning citations for violations of exceeding the speed limit by 10 miles



per hour or less for the first 30 days that a lower speed limit is in effect as authorized by this section.

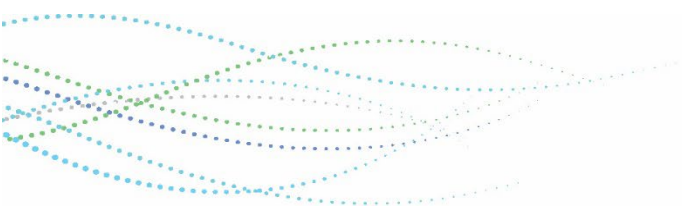
Table 5.1 summarizes the recommended speed limit at the nine (9) new surveyed segments included in this E&TS study based on the AB 43 requirements. **Appendix D** provides a detailed analysis summary of the nine segments based on the AB 43 requirements.

Table 5.1 – AB 43 Recommended Speed Limit for New Surveyed Segments

#	Street	Segment Limits	Existing Speed Limit (mph)	2024 ETS Established Speed Limit (mph)	Qualification for 5-mph Speed Reduction Per AB43	Amended Recommended Speed Limit to be implemented by June 30, 2024
1	Hollis St	67th St to Powell St	30	25	No	25
2	Horton St	62nd St to 40th St	25	20	Yes	15
3	Christie Ave	65th St to Powell St	25	20	Yes	20
4	Powell St	I-80 Frontage Rd to Vallejo St	30	30	No	30
5	65th St	Hollis St to Vallejo St	25	25	Yes	20
6	65th St	La Coste St to Hollis St	25	25	Yes	25
7	La Coste St	65th St to 64th St	25	25	No	25
8	53rd St	Horton St to San Pablo Ave	25	20	Yes	15
9	Park Ave	Halleck St to San Pablo Ave	25	25	Yes	20
10	Frontage Rd	Powell St to Point Emery Ln	25	25	No	25



APPENDIX A – CERTIFICATIONS





Radar Gun – Certification of Accuracy





Tuning Fork – Certification of Accuracy

TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at $4,166 \pm 5$ Hertz at 70°F (21°C) resulting in a calibration signal of 40mph (64 km/h) when used with a Ka-Band Radar operating at 34.7 GHz. The instrument used to calibrate the tuning fork is traceable to NIST.

Operation from -22 to $+140^{\circ}\text{F}$ (-30°C to 60°C) will result in a speed error of less than 0.5 mph, -0.0040 mph/ $^{\circ}\text{F}$ (0.8 km/h, -0.0065 km/h/ $^{\circ}\text{C}$).

Date AUG 15 2022 Technician (signature) Todd L. Gardner
Todd L. Gardner

Technician (name) _____

Serial # 413509

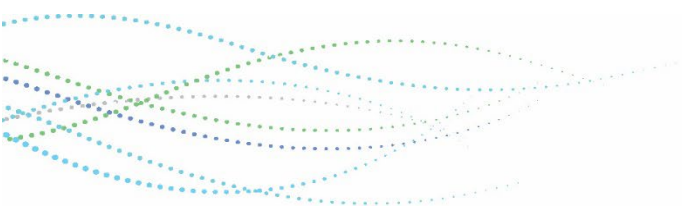
Applied Concepts, Inc.


* 2 0 0 0 7 7 0 0 0 *

Richardson, Texas 75081
006-0411-00 Rev F



APPENDIX B – ETS, ADT & COLLISION DATA



IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: Hollis St
SURVEY LIMITS: Between 67th St & Powell St
SURVEY DATE: Tuesday, June 27, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 12:21:00 PM
SURVEY END TIME: 12:49:00 PM
STREET CLASSIFICATION: Local
POSTED SPEED: 30 MPH
DIRECTION OF TRAFFIC: NB SB

LOCATION: 1
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

CRITICAL SPEED
(85TH PERCENTILE)
32 MPH

50TH PERCENTILE 28.5 MPH
15TH PERCENTILE 24 MPH

PACE SPEED
TO
33 MPH
 Below Pace 10.0%
 In Pace 84.0%
 Above Pace 6.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 22.0% COMPLYING

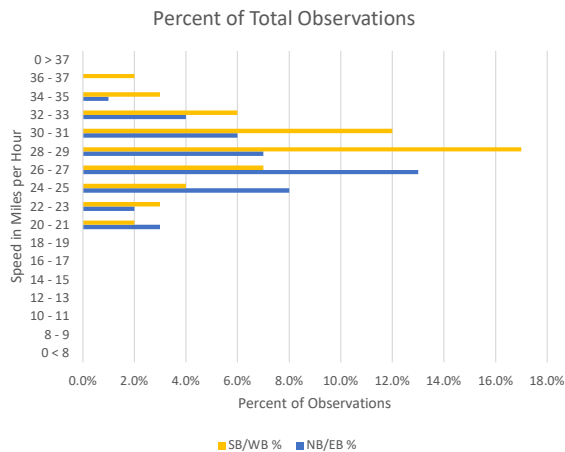
EXISTING SPEED LIMIT
30 MPH
 76.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 44 44.0%
 SB/WB 56 56.0%

UNUSUAL CONDITIONS: NONE

RECOMMENDED SPEED LIMIT: TBD MPH

SPEED ZONE LIMITS: 30 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 8	0	0.0%	0	0%	0.0%	0	0.0%
8 - 9	0	0.0%	0	0%	0.0%	0	0.0%
10 - 11	0	0.0%	0	0%	0.0%	0	0.0%
12 - 13	0	0.0%	0	0%	0.0%	0	0.0%
14 - 15	0	0.0%	0	0%	0.0%	0	0.0%
16 - 17	0	0.0%	0	0%	0.0%	0	0.0%
18 - 19	0	0.0%	0	0%	0.0%	0	0.0%
20 - 21	3	3.0%	2	2%	5.0%	5	5.0%
22 - 23	2	2.0%	3	3%	5.0%	10	10.0%
24 - 25	8	8.0%	4	4%	12.0%	22	22.0%
26 - 27	13	13.0%	7	7%	20.0%	42	42.0%
28 - 29	7	7.0%	17	17%	24.0%	66	66.0%
30 - 31	6	6.0%	12	12%	18.0%	84	84.0%
32 - 33	4	4.0%	6	6%	10.0%	94	94.0%
34 - 35	1	1.0%	3	3%	4.0%	98	98.0%
36 - 37	0	0.0%	2	2%	2.0%	100	100.0%
0 > 37	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: Horton St
SURVEY LIMITS: Between 62nd St & 40th St
SURVEY DATE: Wednesday, June 28, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 1:38:00 PM
SURVEY END TIME: 2:16:00 PM
STREET CLASSIFICATION: Local
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: NB SB

LOCATION: 2
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

CRITICAL SPEED
(85TH PERCENTILE)
27 MPH

50TH PERCENTILE **15TH PERCENTILE**
23 MPH **19 MPH**

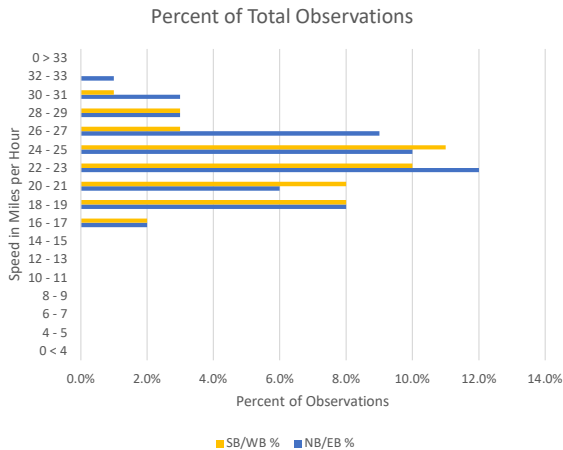
PACE SPEED
18 MPH **TO** **27 MPH**
 Below Pace In Pace Above Pace
 4.0% 85.0% 11.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 77.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 77.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 54 54.0%
 SB/WB 46 46.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 4	0	0.0%	0	0%	0.0%	0	0.0%
4 - 5	0	0.0%	0	0%	0.0%	0	0.0%
6 - 7	0	0.0%	0	0%	0.0%	0	0.0%
8 - 9	0	0.0%	0	0%	0.0%	0	0.0%
10 - 11	0	0.0%	0	0%	0.0%	0	0.0%
12 - 13	0	0.0%	0	0%	0.0%	0	0.0%
14 - 15	0	0.0%	0	0%	0.0%	0	0.0%
16 - 17	2	2.0%	2	2%	4.0%	4	4.0%
18 - 19	8	8.0%	8	8%	16.0%	20	20.0%
20 - 21	6	6.0%	8	8%	14.0%	34	34.0%
22 - 23	12	12.0%	10	10%	22.0%	56	56.0%
24 - 25	10	10.0%	11	11%	21.0%	77	77.0%
26 - 27	9	9.0%	3	3%	12.0%	89	89.0%
28 - 29	3	3.0%	3	3%	6.0%	95	95.0%
30 - 31	3	3.0%	1	1%	4.0%	99	99.0%
32 - 33	1	1.0%	0	0%	1.0%	100	100.0%
0 > 33	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: Christie Ave
SURVEY LIMITS: Between 65th St & Powell St
SURVEY DATE: Wednesday, June 28, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 12:36:00 PM
SURVEY END TIME: 1:18:00 PM
STREET CLASSIFICATION: Local
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: NB SB

LOCATION: 3
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

**CRITICAL SPEED
(85TH PERCENTILE)**

26 MPH

50TH PERCENTILE **15TH PERCENTILE**
22 MPH **17 MPH**

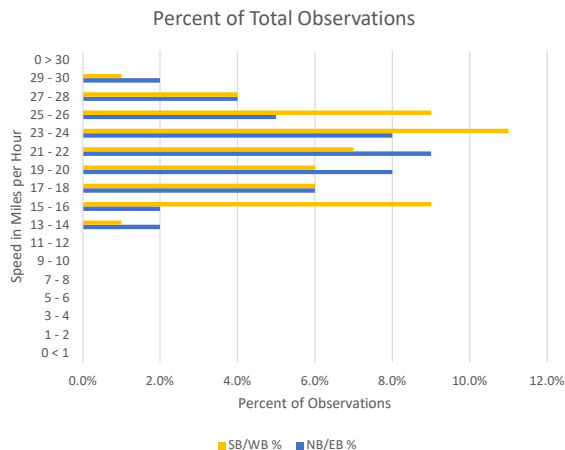
PACE SPEED
17 MPH **TO** **26 MPH**
 Below Pace In Pace Above Pace
 14.0% 75.0% 11.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 80.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 80.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 46 46.0%
 SB/WB 54 54.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 1	0	0.0%	0	0%	0.0%	0	0.0%
1 - 2	0	0.0%	0	0%	0.0%	0	0.0%
3 - 4	0	0.0%	0	0%	0.0%	0	0.0%
5 - 6	0	0.0%	0	0%	0.0%	0	0.0%
7 - 8	0	0.0%	0	0%	0.0%	0	0.0%
9 - 10	0	0.0%	0	0%	0.0%	0	0.0%
11 - 12	0	0.0%	0	0%	0.0%	0	0.0%
13 - 14	2	2.0%	1	1%	3.0%	3	3.0%
15 - 16	2	2.0%	9	9%	11.0%	14	14.0%
17 - 18	6	6.0%	6	6%	12.0%	26	26.0%
19 - 20	8	8.0%	6	6%	14.0%	40	40.0%
21 - 22	9	9.0%	7	7%	16.0%	56	56.0%
23 - 24	8	8.0%	11	11%	19.0%	75	75.0%
25 - 26	5	5.0%	9	9%	14.0%	89	89.0%
27 - 28	4	4.0%	4	4%	8.0%	97	97.0%
29 - 30	2	2.0%	1	1%	3.0%	100	100.0%
0 > 30	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: Powell St
SURVEY LIMITS: Between I-80 Frontage & Vallejo St
SURVEY DATE: Tuesday, June 27, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 11:47:00 AM
SURVEY END TIME: 12:14:00 PM
STREET CLASSIFICATION: Arterial
POSTED SPEED: 30 MPH
DIRECTION OF TRAFFIC: EB WB

LOCATION: 4
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 4

CRITICAL SPEED
(85TH PERCENTILE)
36 MPH

50TH PERCENTILE 30 MPH
15TH PERCENTILE 27 MPH

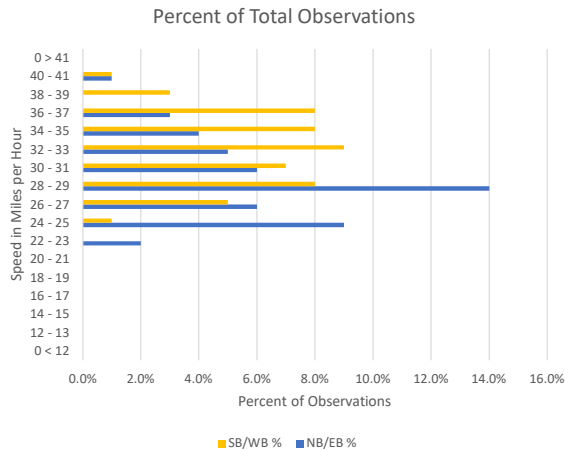
PACE SPEED
TO
36 MPH
 Below Pace In Pace Above Pace
 13.0% 81.0% 6.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 12.0% COMPLYING

EXISTING SPEED LIMIT
30 MPH
 51.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 50 50.0%
 SB/WB 50 50.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 30 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 12	0	0.0%	0	0%	0.0%	0	0.0%
12 - 13	0	0.0%	0	0%	0.0%	0	0.0%
14 - 15	0	0.0%	0	0%	0.0%	0	0.0%
16 - 17	0	0.0%	0	0%	0.0%	0	0.0%
18 - 19	0	0.0%	0	0%	0.0%	0	0.0%
20 - 21	0	0.0%	0	0%	0.0%	0	0.0%
22 - 23	2	2.0%	0	0%	2.0%	2	2.0%
24 - 25	9	9.0%	1	1%	10.0%	12	12.0%
26 - 27	6	6.0%	5	5%	11.0%	23	23.0%
28 - 29	14	14.0%	8	8%	22.0%	45	45.0%
30 - 31	6	6.0%	7	7%	13.0%	58	58.0%
32 - 33	5	5.0%	9	9%	14.0%	72	72.0%
34 - 35	4	4.0%	8	8%	12.0%	84	84.0%
36 - 37	3	3.0%	8	8%	11.0%	95	95.0%
38 - 39	0	0.0%	3	3%	3.0%	98	98.0%
40 - 41	1	1.0%	1	1%	2.0%	100	100.0%
0 > 41	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: 65th St
SURVEY LIMITS: Between La Coste St & San Pablo Ave
SURVEY DATE: Tuesday, June 27, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 12:55:00 PM
SURVEY END TIME: 1:36:00 PM
STREET CLASSIFICATION: Local
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: EB WB

LOCATION: 5
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

**CRITICAL SPEED
(85TH PERCENTILE)**
29 MPH

50TH PERCENTILE **15TH PERCENTILE**
25 MPH **21 MPH**

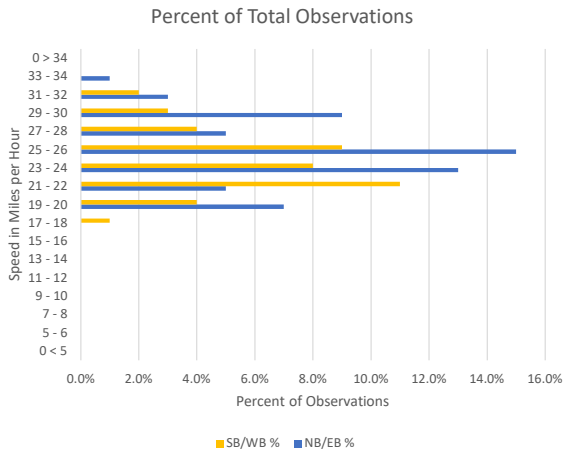
PACE SPEED
20 MPH **TO** **29 MPH**
 Below Pace In Pace Above Pace
 4.0% 85.0% 11.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 62.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 62.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 58 58.0%
 SB/WB 42 42.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 5	0	0.0%	0	0%	0.0%	0	0.0%
5 - 6	0	0.0%	0	0%	0.0%	0	0.0%
7 - 8	0	0.0%	0	0%	0.0%	0	0.0%
9 - 10	0	0.0%	0	0%	0.0%	0	0.0%
11 - 12	0	0.0%	0	0%	0.0%	0	0.0%
13 - 14	0	0.0%	0	0%	0.0%	0	0.0%
15 - 16	0	0.0%	0	0%	0.0%	0	0.0%
17 - 18	0	0.0%	1	1%	1.0%	1	1.0%
19 - 20	7	7.0%	4	4%	11.0%	12	12.0%
21 - 22	5	5.0%	11	11%	16.0%	28	28.0%
23 - 24	13	13.0%	8	8%	21.0%	49	49.0%
25 - 26	15	15.0%	9	9%	24.0%	73	73.0%
27 - 28	5	5.0%	4	4%	9.0%	82	82.0%
29 - 30	9	9.0%	3	3%	12.0%	94	94.0%
31 - 32	3	3.0%	2	2%	5.0%	99	99.0%
33 - 34	1	1.0%	0	0%	1.0%	100	100.0%
0 > 34	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: La Coste St
SURVEY LIMITS: Between 65th St & 64th St
SURVEY DATE: Wednesday, June 28, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 2:23:00 PM
SURVEY END TIME: 4:00:00 PM
STREET CLASSIFICATION: Local
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: NB SB

LOCATION: 6
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

**CRITICAL SPEED
(85TH PERCENTILE)**

31 MPH

50TH PERCENTILE **15TH PERCENTILE**
26 MPH **23 MPH**

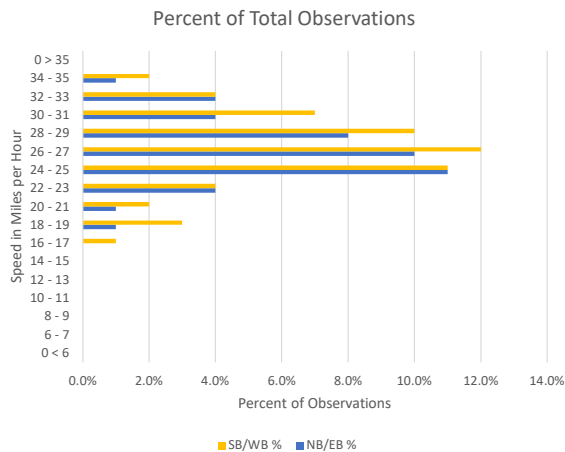
PACE SPEED
22 MPH **TO** **31 MPH**
 Below Pace In Pace Above Pace
 8.0% 81.0% 11.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 38.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 38.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 44 44.0%
 SB/WB 56 56.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 6	0	0.0%	0	0%	0.0%	0	0.0%
6 - 7	0	0.0%	0	0%	0.0%	0	0.0%
8 - 9	0	0.0%	0	0%	0.0%	0	0.0%
10 - 11	0	0.0%	0	0%	0.0%	0	0.0%
12 - 13	0	0.0%	0	0%	0.0%	0	0.0%
14 - 15	0	0.0%	0	0%	0.0%	0	0.0%
16 - 17	0	0.0%	1	1%	1.0%	1	1.0%
18 - 19	1	1.0%	3	3%	4.0%	5	5.0%
20 - 21	1	1.0%	2	2%	3.0%	8	8.0%
22 - 23	4	4.0%	4	4%	8.0%	16	16.0%
24 - 25	11	11.0%	11	11%	22.0%	38	38.0%
26 - 27	10	10.0%	12	12%	22.0%	60	60.0%
28 - 29	8	8.0%	10	10%	18.0%	78	78.0%
30 - 31	4	4.0%	7	7%	11.0%	89	89.0%
32 - 33	4	4.0%	4	4%	8.0%	97	97.0%
34 - 35	1	1.0%	2	2%	3.0%	100	100.0%
0 > 35	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: 53rd St
SURVEY LIMITS: Between Horton St & San Pablo Ave
SURVEY DATE: Tuesday, June 27, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 10:28:00 AM
SURVEY END TIME: 11:42:00 AM
STREET CLASSIFICATION: Local
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: EB WB

LOCATION: 7
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

CRITICAL SPEED
(85TH PERCENTILE)
27 MPH

50TH PERCENTILE **15TH PERCENTILE**
24 MPH **20 MPH**

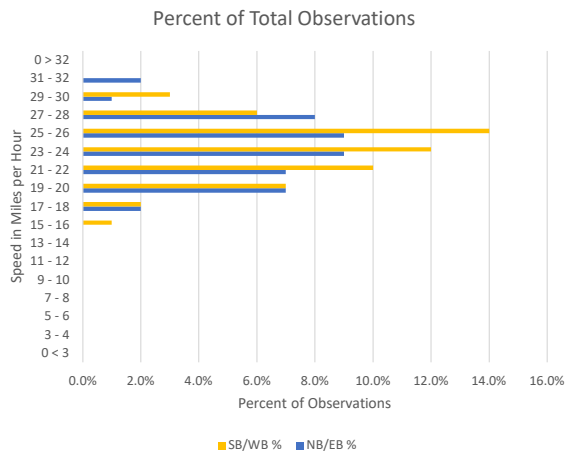
PACE SPEED
19 MPH **TO** **28 MPH**
 Below Pace In Pace Above Pace
 5.0% 89.0% 6.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 66.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 66.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 45 45.0%
 SB/WB 55 55.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 3	0	0.0%	0	0%	0.0%	0	0.0%
3 - 4	0	0.0%	0	0%	0.0%	0	0.0%
5 - 6	0	0.0%	0	0%	0.0%	0	0.0%
7 - 8	0	0.0%	0	0%	0.0%	0	0.0%
9 - 10	0	0.0%	0	0%	0.0%	0	0.0%
11 - 12	0	0.0%	0	0%	0.0%	0	0.0%
13 - 14	0	0.0%	0	0%	0.0%	0	0.0%
15 - 16	0	0.0%	1	1%	1.0%	1	1.0%
17 - 18	2	2.0%	2	2%	4.0%	5	5.0%
19 - 20	7	7.0%	7	7%	14.0%	19	19.0%
21 - 22	7	7.0%	10	10%	17.0%	36	36.0%
23 - 24	9	9.0%	12	12%	21.0%	57	57.0%
25 - 26	9	9.0%	14	14%	23.0%	80	80.0%
27 - 28	8	8.0%	6	6%	14.0%	94	94.0%
29 - 30	1	1.0%	3	3%	4.0%	98	98.0%
31 - 32	2	2.0%	0	0%	2.0%	100	100.0%
0 > 32	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: Park Ave
SURVEY LIMITS: Between San Pablo Ave & Halleck St
SURVEY DATE: Tuesday, June 27, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 9:36:00 AM
SURVEY END TIME: 10:19:00 AM
STREET CLASSIFICATION: Local
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: EB WB

LOCATION: 8
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

**CRITICAL SPEED
(85TH PERCENTILE)**

29 MPH

50TH PERCENTILE **15TH PERCENTILE**
25 MPH **22 MPH**

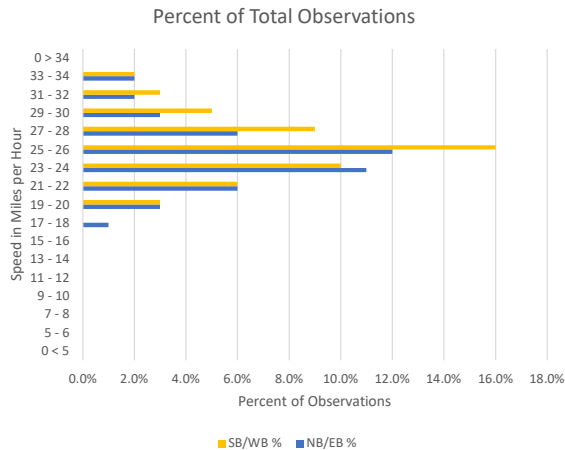
PACE SPEED
20 MPH **TO** **29 MPH**
 Below Pace In Pace Above Pace
 3.0% 84.0% 13.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 52.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 52.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 46 46.0%
 SB/WB 54 54.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 5	0	0.0%	0	0%	0.0%	0	0.0%
5 - 6	0	0.0%	0	0%	0.0%	0	0.0%
7 - 8	0	0.0%	0	0%	0.0%	0	0.0%
9 - 10	0	0.0%	0	0%	0.0%	0	0.0%
11 - 12	0	0.0%	0	0%	0.0%	0	0.0%
13 - 14	0	0.0%	0	0%	0.0%	0	0.0%
15 - 16	0	0.0%	0	0%	0.0%	0	0.0%
17 - 18	1	1.0%	0	0%	1.0%	1	1.0%
19 - 20	3	3.0%	3	3%	6.0%	7	7.0%
21 - 22	6	6.0%	6	6%	12.0%	19	19.0%
23 - 24	11	11.0%	10	10%	21.0%	40	40.0%
25 - 26	12	12.0%	16	16%	28.0%	68	68.0%
27 - 28	6	6.0%	9	9%	15.0%	83	83.0%
29 - 30	3	3.0%	5	5%	8.0%	91	91.0%
31 - 32	2	2.0%	3	3%	5.0%	96	96.0%
33 - 34	2	2.0%	2	2%	4.0%	100	100.0%
0 > 34	0	0.0%	0	0%	0.0%	100	100.0%

IDAX RADAR SAMPLE SPEED SURVEY

ROADWAY SURVEYED: W Frontage Rd
SURVEY LIMITS: Between Powell St & Point Emery Ln
SURVEY DATE: Tuesday, June 27, 2023
ROAD CONDITION: Fair
SURVEY START TIME: 2:28:00 PM
SURVEY END TIME: 3:09:00 PM
STREET CLASSIFICATION: Arterial
POSTED SPEED: 25 MPH
DIRECTION OF TRAFFIC: NB SB

LOCATION: 9
COLLECTOR: Randy
WEATHER: Cloudy
OF LANES: 2

CRITICAL SPEED
(85TH PERCENTILE)
32 MPH

50TH PERCENTILE **15TH PERCENTILE**
29 MPH **24 MPH**

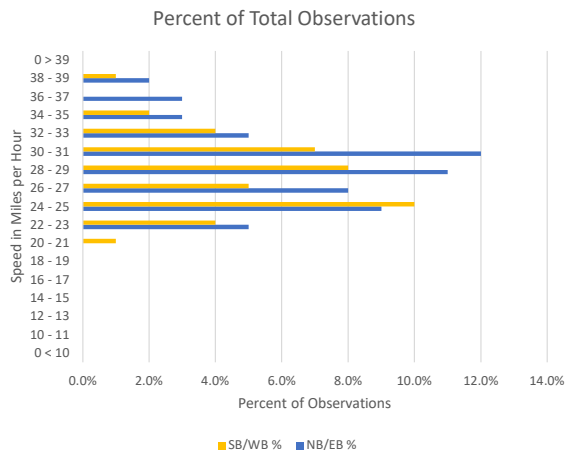
PACE SPEED
23 MPH **TO** **32 MPH**
 Below Pace In Pace Above Pace
 7.0% 80.0% 13.0%

PRIMA FACIE SPEED LIMIT
25 MPH
 29.0% COMPLYING

EXISTING SPEED LIMIT
25 MPH
 29.0% COMPLYING

DIRECTION OF COLLECTION
 #Entries 100
 NB/EB 58 58.0%
 SB/WB 42 42.0%

UNUSUAL CONDITIONS: NONE
RECOMMENDED SPEED LIMIT: TBD MPH
SPEED ZONE LIMITS: 25 MPH



	FREQUENCY				Total %	CUMULATIVE	
	NB/EB #	NB/EB %	SB/WB #	SB/WB %		#	%
0 < 10	0	0.0%	0	0%	0.0%	0	0.0%
10 - 11	0	0.0%	0	0%	0.0%	0	0.0%
12 - 13	0	0.0%	0	0%	0.0%	0	0.0%
14 - 15	0	0.0%	0	0%	0.0%	0	0.0%
16 - 17	0	0.0%	0	0%	0.0%	0	0.0%
18 - 19	0	0.0%	0	0%	0.0%	0	0.0%
20 - 21	0	0.0%	1	1%	1.0%	1	1.0%
22 - 23	5	5.0%	4	4%	9.0%	10	10.0%
24 - 25	9	9.0%	10	10%	19.0%	29	29.0%
26 - 27	8	8.0%	5	5%	13.0%	42	42.0%
28 - 29	11	11.0%	8	8%	19.0%	61	61.0%
30 - 31	12	12.0%	7	7%	19.0%	80	80.0%
32 - 33	5	5.0%	4	4%	9.0%	89	89.0%
34 - 35	3	3.0%	2	2%	5.0%	94	94.0%
36 - 37	3	3.0%	0	0%	3.0%	97	97.0%
38 - 39	2	2.0%	1	1%	3.0%	100	100.0%
0 > 39	0	0.0%	0	0%	0.0%	100	100.0%

Location: Hollis St, Between 59th St & 61st St
Date Range: 12/9/2022 - 12/15/2022
Site Code: 02

Time	Friday			Saturday			Sunday			Monday			Tuesday			Wednesday			Thursday			Mid-Week Average		
	12/9/2022			12/10/2022			12/11/2022			12/12/2022			12/13/2022			12/14/2022			12/15/2022					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	1	9	10	19	18	37	15	14	29	11	7	18	7	9	16	2	5	7	-	-	-	5	7	12
1:00 AM	4	7	11	11	9	20	13	10	23	3	8	11	3	9	12	3	7	10	-	-	-	3	8	11
2:00 AM	5	4	9	5	14	19	4	6	10	2	2	4	5	6	11	1	3	4	-	-	-	3	5	8
3:00 AM	1	7	8	4	9	13	9	3	12	7	7	14	4	5	9	2	6	8	-	-	-	3	6	9
4:00 AM	12	18	30	7	12	19	1	10	11	7	14	21	9	15	24	16	16	32	-	-	-	13	16	28
5:00 AM	32	34	66	8	6	14	8	15	23	39	25	64	40	27	67	35	31	66	-	-	-	38	29	67
6:00 AM	58	84	142	36	15	51	15	18	33	63	77	140	62	85	147	67	80	147	-	-	-	65	83	147
7:00 AM	83	138	221	25	36	61	15	20	35	93	140	233	103	161	264	102	185	287	-	-	-	103	173	276
8:00 AM	187	245	432	73	69	142	38	61	99	209	285	494	201	287	488	189	280	469	-	-	-	195	284	479
9:00 AM	186	268	454	87	106	193	65	77	142	199	240	439	192	255	447	209	282	491	-	-	-	201	269	469
10:00 AM	170	271	441	122	127	249	65	88	153	192	217	409	174	221	395	199	222	421	-	-	-	187	222	408
11:00 AM	202	246	448	117	161	278	115	165	280	196	256	452	173	257	430	180	242	422	-	-	-	177	250	426
12:00 PM	216	247	463	138	167	305	152	180	332	217	231	448	195	322	517	226	284	510	-	-	-	211	303	514
1:00 PM	319	299	618	129	165	294	114	197	311	198	257	455	210	234	444	198	263	461	-	-	-	204	249	453
2:00 PM	298	293	591	147	190	337	130	193	323	258	307	565	246	293	539	271	268	539	-	-	-	259	281	539
3:00 PM	326	324	650	141	188	329	161	197	358	307	310	617	301	275	576	370	306	676	-	-	-	336	291	626
4:00 PM	372	346	718	135	145	280	114	172	286	336	316	652	419	303	722	490	340	830	-	-	-	455	322	776
5:00 PM	424	300	724	145	245	390	140	139	279	363	308	671	471	345	816	515	358	873	-	-	-	493	352	845
6:00 PM	248	211	459	108	135	243	90	89	179	221	173	394	276	247	523	366	205	571	-	-	-	321	226	547
7:00 PM	132	135	267	67	73	140	67	71	138	115	135	250	126	121	247	142	156	298	-	-	-	134	139	273
8:00 PM	83	97	180	62	49	111	37	49	86	57	72	129	80	85	165	76	94	170	-	-	-	78	90	168
9:00 PM	49	58	107	55	39	94	43	24	67	48	43	91	52	52	104	64	48	112	-	-	-	58	50	108
10:00 PM	48	54	102	49	42	91	23	18	41	25	31	56	39	37	76	26	39	65	-	-	-	33	38	71
11:00 PM	23	33	56	27	30	57	11	17	28	8	18	26	20	17	37	12	23	35	-	-	-	16	20	36
Total	3,479	3,728	7,207	1,717	2,050	3,767	1,445	1,833	3,278	3,174	3,479	6,653	3,408	3,668	7,076	3,761	3,743	7,504	-	-	-	3,585	3,706	7,290
Percent	48%	52%	-	46%	54%	-	44%	56%	-	48%	52%	-	48%	52%	-	50%	50%	-	-	-	-	49%	51%	-
AM Peak	11:00	10:00	09:00	10:00	11:00	11:00	11:00	11:00	11:00	08:00	08:00	08:00	08:00	08:00	08:00	09:00	09:00	09:00	-	-	-	09:00	08:00	08:00
Vol.	202	271	454	122	161	278	115	165	280	209	285	494	201	287	488	209	282	491	-	-	-	201	284	479
PM Peak	17:00	16:00	17:00	14:00	17:00	17:00	15:00	13:00	15:00	17:00	16:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	-	-	-	17:00	17:00	17:00
Vol.	424	346	724	147	245	390	161	197	358	363	316	671	471	345	816	515	358	873	-	-	-	493	352	845

1. Mid-week average includes data between Tuesday and Thursday.

Location: Horton St, Between Between 62nd St & 59th St
Date Range: 9/10/2019 - 9/16/2019
Site Code: 02

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	9/10/2019			9/11/2019			9/12/2019			9/13/2019			9/14/2019			9/15/2019			9/16/2019					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	5	1	6	1	1	2	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4
1:00 AM	3	0	3	2	2	4	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
2:00 AM	0	0	0	3	1	4	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
3:00 AM	2	1	3	4	1	5	8	3	11	-	-	-	-	-	-	-	-	-	-	-	-	5	2	6
4:00 AM	5	3	8	5	2	7	6	4	10	-	-	-	-	-	-	-	-	-	-	-	-	5	3	8
5:00 AM	15	11	26	15	11	26	14	18	32	-	-	-	-	-	-	-	-	-	-	-	-	15	13	28
6:00 AM	43	26	69	32	31	63	43	29	72	-	-	-	-	-	-	-	-	-	-	-	-	39	29	68
7:00 AM	76	52	128	95	46	141	77	57	134	-	-	-	-	-	-	-	-	-	-	-	-	83	52	134
8:00 AM	136	110	246	108	94	202	129	106	235	-	-	-	-	-	-	-	-	-	-	-	-	124	103	228
9:00 AM	127	95	222	117	104	221	110	82	192	-	-	-	-	-	-	-	-	-	-	-	-	118	94	212
10:00 AM	64	50	114	87	64	151	77	80	157	-	-	-	-	-	-	-	-	-	-	-	-	76	65	141
11:00 AM	73	73	146	62	65	127	90	57	147	-	-	-	-	-	-	-	-	-	-	-	-	75	65	140
12:00 PM	73	72	145	64	70	134	80	53	133	-	-	-	-	-	-	-	-	-	-	-	-	72	65	137
1:00 PM	83	86	169	84	68	152	63	64	127	-	-	-	-	-	-	-	-	-	-	-	-	77	73	149
2:00 PM	86	78	164	93	71	164	86	62	148	-	-	-	-	-	-	-	-	-	-	-	-	88	70	159
3:00 PM	116	85	201	128	88	216	115	74	189	-	-	-	-	-	-	-	-	-	-	-	-	120	82	202
4:00 PM	195	123	318	165	95	260	171	90	261	-	-	-	-	-	-	-	-	-	-	-	-	177	103	280
5:00 PM	204	98	302	158	81	239	206	79	285	-	-	-	-	-	-	-	-	-	-	-	-	189	86	275
6:00 PM	109	49	158	121	62	183	107	48	155	-	-	-	-	-	-	-	-	-	-	-	-	112	53	165
7:00 PM	65	34	99	46	27	73	45	27	72	-	-	-	-	-	-	-	-	-	-	-	-	52	29	81
8:00 PM	24	25	49	22	14	36	22	19	41	-	-	-	-	-	-	-	-	-	-	-	-	23	19	42
9:00 PM	13	9	22	10	4	14	24	15	39	-	-	-	-	-	-	-	-	-	-	-	-	16	9	25
10:00 PM	7	4	11	10	10	20	11	10	21	-	-	-	-	-	-	-	-	-	-	-	-	9	8	17
11:00 PM	2	5	7	8	3	11	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-	5	3	8
Total	1,526	1,090	2,616	1,440	1,015	2,455	1,494	983	2,477	-	-	-	-	-	-	-	-	-	-	-	-	1,487	1,029	2,516
Percent	58%	42%	-	59%	41%	-	60%	40%	-	-	-	-	-	-	-	-	-	-	-	-	-	59%	41%	-
AM Peak	08:00	08:00	08:00	09:00	09:00	09:00	08:00	08:00	08:00	-	-	-	-	-	-	-	-	-	-	-	-	08:00	08:00	08:00
Vol.	136	110	246	117	104	221	129	106	235	-	-	-	-	-	-	-	-	-	-	-	-	124	103	228
PM Peak	17:00	16:00	16:00	16:00	16:00	16:00	17:00	16:00	17:00	-	-	-	-	-	-	-	-	-	-	-	-	17:00	16:00	16:00
Vol.	204	123	318	165	95	260	206	90	285	-	-	-	-	-	-	-	-	-	-	-	-	189	103	280

1. Mid-week average includes data between Tuesday and Thursday.

Location: Horton St, Between 53rd St & 45th St
Date Range: 9/10/2019 - 9/16/2019
Site Code: 08

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	9/10/2019			9/11/2019			9/12/2019			9/13/2019			9/14/2019			9/15/2019			9/16/2019					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	3	0	3	2	4	6	1	7	8	-	-	-	-	-	-	-	-	-	-	-	-	2	4	6
1:00 AM	3	2	5	5	2	7	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	3	3	6
2:00 AM	4	4	8	3	2	5	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	3	4	7
3:00 AM	4	3	7	1	0	1	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	2	1	4
4:00 AM	5	3	8	3	6	9	3	3	6	-	-	-	-	-	-	-	-	-	-	-	-	4	4	8
5:00 AM	6	18	24	8	15	23	7	13	20	-	-	-	-	-	-	-	-	-	-	-	-	7	15	22
6:00 AM	25	43	68	30	41	71	29	33	62	-	-	-	-	-	-	-	-	-	-	-	-	28	39	67
7:00 AM	90	70	160	74	68	142	75	65	140	-	-	-	-	-	-	-	-	-	-	-	-	80	68	147
8:00 AM	159	145	304	157	131	288	155	153	308	-	-	-	-	-	-	-	-	-	-	-	-	157	143	300
9:00 AM	113	108	221	121	122	243	126	110	236	-	-	-	-	-	-	-	-	-	-	-	-	120	113	233
10:00 AM	76	71	147	86	74	160	78	73	151	-	-	-	-	-	-	-	-	-	-	-	-	80	73	153
11:00 AM	87	78	165	74	77	151	87	59	146	-	-	-	-	-	-	-	-	-	-	-	-	83	71	154
12:00 PM	85	89	174	84	71	155	95	68	163	-	-	-	-	-	-	-	-	-	-	-	-	88	76	164
1:00 PM	97	88	185	100	84	184	81	89	170	-	-	-	-	-	-	-	-	-	-	-	-	93	87	180
2:00 PM	107	61	168	118	62	180	118	72	190	-	-	-	-	-	-	-	-	-	-	-	-	114	65	179
3:00 PM	154	110	264	162	86	248	157	98	255	-	-	-	-	-	-	-	-	-	-	-	-	158	98	256
4:00 PM	250	142	392	217	147	364	222	150	372	-	-	-	-	-	-	-	-	-	-	-	-	230	146	376
5:00 PM	308	193	501	265	167	432	256	167	423	-	-	-	-	-	-	-	-	-	-	-	-	276	176	452
6:00 PM	168	136	304	143	103	246	156	92	248	-	-	-	-	-	-	-	-	-	-	-	-	156	110	266
7:00 PM	76	71	147	62	42	104	70	44	114	-	-	-	-	-	-	-	-	-	-	-	-	69	52	122
8:00 PM	38	31	69	34	38	72	37	27	64	-	-	-	-	-	-	-	-	-	-	-	-	36	32	68
9:00 PM	31	24	55	23	18	41	35	23	58	-	-	-	-	-	-	-	-	-	-	-	-	30	22	51
10:00 PM	14	16	30	18	15	33	15	22	37	-	-	-	-	-	-	-	-	-	-	-	-	16	18	33
11:00 PM	8	9	17	3	5	8	8	8	16	-	-	-	-	-	-	-	-	-	-	-	-	6	7	14
Total	1,911	1,515	3,426	1,793	1,380	3,173	1,817	1,386	3,203	-	-	-	-	-	-	-	-	-	-	-	-	1,840	1,427	3,267
Percent	56%	44%	-	57%	43%	-	57%	43%	-	-	-	-	-	-	-	-	-	-	-	-	-	56%	44%	-
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	-	-	-	-	-	-	-	-	-	-	-	-	08:00	08:00	08:00
Vol.	159	145	304	157	131	288	155	153	308	-	-	-	-	-	-	-	-	-	-	-	-	157	143	300
PM Peak	17:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	-	-	-	-	-	-	-	-	-	-	-	-	17:00	17:00	17:00
Vol.	308	193	501	265	167	432	256	167	423	-	-	-	-	-	-	-	-	-	-	-	-	276	176	452

1. Mid-week average includes data between Tuesday and Thursday.

Location: Horton St, Between Park Ave & 40th St
Date Range: 9/10/2019 - 9/16/2019
Site Code: 09

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	9/10/2019			9/11/2019			9/12/2019			9/13/2019			9/14/2019			9/15/2019			9/16/2019					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	5	7	12	4	6	10	4	7	11	-	-	-	-	-	-	-	-	-	-	-	-	4	7	11
1:00 AM	4	2	6	3	6	9	1	3	4	-	-	-	-	-	-	-	-	-	-	-	3	4	6	
2:00 AM	4	0	4	1	0	1	1	7	8	-	-	-	-	-	-	-	-	-	-	-	2	2	4	
3:00 AM	3	0	3	3	3	6	2	1	3	-	-	-	-	-	-	-	-	-	-	-	3	1	4	
4:00 AM	7	2	9	7	2	9	5	1	6	-	-	-	-	-	-	-	-	-	-	-	6	2	8	
5:00 AM	21	12	33	14	14	28	21	9	30	-	-	-	-	-	-	-	-	-	-	-	19	12	30	
6:00 AM	62	49	111	63	53	116	64	37	101	-	-	-	-	-	-	-	-	-	-	-	63	46	109	
7:00 AM	102	51	153	144	57	201	140	76	216	-	-	-	-	-	-	-	-	-	-	-	129	61	190	
8:00 AM	239	125	364	228	117	345	226	130	356	-	-	-	-	-	-	-	-	-	-	-	231	124	355	
9:00 AM	170	99	269	168	108	276	181	90	271	-	-	-	-	-	-	-	-	-	-	-	173	99	272	
10:00 AM	121	95	216	114	99	213	89	96	185	-	-	-	-	-	-	-	-	-	-	-	108	97	205	
11:00 AM	122	114	236	115	75	190	88	118	206	-	-	-	-	-	-	-	-	-	-	-	108	102	211	
12:00 PM	135	106	241	131	139	270	130	96	226	-	-	-	-	-	-	-	-	-	-	-	132	114	246	
1:00 PM	150	103	253	136	120	256	132	117	249	-	-	-	-	-	-	-	-	-	-	-	139	113	253	
2:00 PM	150	86	236	147	80	227	161	115	276	-	-	-	-	-	-	-	-	-	-	-	153	94	246	
3:00 PM	167	147	314	164	147	311	159	131	290	-	-	-	-	-	-	-	-	-	-	-	163	142	305	
4:00 PM	206	192	398	208	179	387	202	173	375	-	-	-	-	-	-	-	-	-	-	-	205	181	387	
5:00 PM	253	222	475	231	223	454	232	243	475	-	-	-	-	-	-	-	-	-	-	-	239	229	468	
6:00 PM	178	176	354	164	174	338	179	141	320	-	-	-	-	-	-	-	-	-	-	-	174	164	337	
7:00 PM	104	88	192	99	90	189	100	82	182	-	-	-	-	-	-	-	-	-	-	-	101	87	188	
8:00 PM	70	45	115	61	60	121	76	49	125	-	-	-	-	-	-	-	-	-	-	-	69	51	120	
9:00 PM	39	26	65	45	29	74	54	34	88	-	-	-	-	-	-	-	-	-	-	-	46	30	76	
10:00 PM	30	32	62	26	26	52	29	38	67	-	-	-	-	-	-	-	-	-	-	-	28	32	60	
11:00 PM	14	25	39	12	19	31	15	22	37	-	-	-	-	-	-	-	-	-	-	-	14	22	36	
Total	2,356	1,804	4,160	2,288	1,826	4,114	2,291	1,816	4,107	-	-	-	-	-	-	-	-	-	-	-	2,312	1,815	4,127	
Percent	57%	43%	-	56%	44%	-	56%	44%	-	-	-	-	-	-	-	-	-	-	-	-	56%	44%	-	
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	-	-	-	-	-	-	-	-	-	-	-	08:00	08:00	08:00	
Vol.	239	125	364	228	117	345	226	130	356	-	-	-	-	-	-	-	-	-	-	-	231	124	355	
PM Peak	17:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	-	-	-	-	-	-	-	-	-	-	-	17:00	17:00	17:00	
Vol.	253	222	475	231	223	454	232	243	475	-	-	-	-	-	-	-	-	-	-	-	239	229	468	

1. Mid-week average includes data between Tuesday and Thursday.

Location: 1 - Christie Ave, Between Christie Park & 59th St
Date Range: 8/8/2023 - 8/14/2023
Site Code:

Time	Tuesday 8/8/2023			Wednesday 8/9/2023			Thursday 8/10/2023			Friday 8/11/2023			Saturday 8/12/2023			Sunday 8/13/2023			Monday 8/14/2023			Mid-Week Average		
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	23	26	49	28	24	52	18	23	41	-	-	-	-	-	-	-	-	-	-	-	-	23	24	47
1:00 AM	15	7	22	15	12	27	18	16	34	-	-	-	-	-	-	-	-	-	-	-	-	16	12	28
2:00 AM	6	11	17	7	8	15	9	7	16	-	-	-	-	-	-	-	-	-	-	-	-	7	9	16
3:00 AM	9	5	14	10	11	21	2	5	7	-	-	-	-	-	-	-	-	-	-	-	-	7	7	14
4:00 AM	27	13	40	27	19	46	24	11	35	-	-	-	-	-	-	-	-	-	-	-	-	26	14	40
5:00 AM	34	37	71	27	40	67	28	39	67	-	-	-	-	-	-	-	-	-	-	-	-	30	39	68
6:00 AM	61	74	135	68	56	124	58	52	110	-	-	-	-	-	-	-	-	-	-	-	-	62	61	123
7:00 AM	128	125	253	107	110	217	117	108	225	-	-	-	-	-	-	-	-	-	-	-	-	117	114	232
8:00 AM	132	171	303	146	165	311	131	160	291	-	-	-	-	-	-	-	-	-	-	-	-	136	165	302
9:00 AM	110	115	225	112	136	248	104	131	235	-	-	-	-	-	-	-	-	-	-	-	-	109	127	236
10:00 AM	94	120	214	85	133	218	102	142	244	-	-	-	-	-	-	-	-	-	-	-	-	94	132	225
11:00 AM	109	137	246	116	126	242	91	140	231	-	-	-	-	-	-	-	-	-	-	-	-	105	134	240
12:00 PM	155	153	308	128	164	292	116	169	285	-	-	-	-	-	-	-	-	-	-	-	-	133	162	295
1:00 PM	119	181	300	120	162	282	147	151	298	-	-	-	-	-	-	-	-	-	-	-	-	129	165	293
2:00 PM	151	148	299	128	142	270	139	158	297	-	-	-	-	-	-	-	-	-	-	-	-	139	149	289
3:00 PM	204	191	395	208	168	376	185	173	358	-	-	-	-	-	-	-	-	-	-	-	-	199	177	376
4:00 PM	236	190	426	229	166	395	218	193	411	-	-	-	-	-	-	-	-	-	-	-	-	228	183	411
5:00 PM	259	196	455	257	211	468	275	199	474	-	-	-	-	-	-	-	-	-	-	-	-	264	202	466
6:00 PM	199	150	349	224	172	396	256	162	418	-	-	-	-	-	-	-	-	-	-	-	-	226	161	388
7:00 PM	138	128	266	141	145	286	153	144	297	-	-	-	-	-	-	-	-	-	-	-	-	144	139	283
8:00 PM	132	119	251	122	94	216	129	115	244	-	-	-	-	-	-	-	-	-	-	-	-	128	109	237
9:00 PM	88	89	177	97	83	180	93	84	177	-	-	-	-	-	-	-	-	-	-	-	-	93	85	178
10:00 PM	58	60	118	56	54	110	56	46	102	-	-	-	-	-	-	-	-	-	-	-	-	57	53	110
11:00 PM	53	54	107	52	31	83	46	38	84	-	-	-	-	-	-	-	-	-	-	-	-	50	41	91
Total	2,540	2,500	5,040	2,510	2,432	4,942	2,515	2,466	4,981	-	-	-	-	-	-	-	-	-	-	-	-	2,522	2,466	4,988
Percent	50%	50%		51%	49%		50%	50%		-	-	-	-	-	-	-	-	-	-	-	-	51%	49%	
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	-	-	-	-	-	-	-	-	-	-	-	-	08:00	08:00	08:00
Vol.	132	171	303	146	165	311	131	160	291	-	-	-	-	-	-	-	-	-	-	-	-	136	165	302
PM Peak	17:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	17:00	-	-	-	-	-	-	-	-	-	-	-	-	17:00	17:00	17:00
Vol.	259	196	455	257	211	468	275	199	474	-	-	-	-	-	-	-	-	-	-	-	-	264	202	466

1. Mid-week average includes data between Tuesday and Thursday.

HPMS Data Collection Format

Section Identification						ADT or (AADT) by Vehicle Classification																	Through Lanes	Future AADT	Year of AADT	Date Taken	Comments
County	Jurisdiction	Street Name	Lat- Long/Street From	Lat-Long/Street To	Length	AADT	ADT	Peak Hour Volume	D FACTOR	K FACTOR	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13				
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12501																		10/16/2017	MONDAY
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12521																		10/17/2017	TUESDAY
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12751																		10/18/2017	WEDNESDAY
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12749																		10/19/2017	THURSDAY
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12958																		10/20/2017	FRIDAY
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				17117																		10/21/2017	WEDNESDAY
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				15357																		10/22/2017	SUNDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				38888																		10/16/2017	MONDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				38941																		10/17/2017	TUESDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				39407																		10/18/2017	WEDNESDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				39362																		10/19/2017	THURSDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				42151																		10/20/2017	FRIDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				40100																		10/21/2017	SATURDAY
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				36081																		10/22/2017	SUNDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15196																		10/16/2017	MONDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15858																		10/17/2017	TUESDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15915																		10/18/2017	WEDNESDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				16605																		10/19/2017	THURSDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				18275																		10/20/2017	FRIDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				21136																		10/21/2017	SATURDAY
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				18766																		10/22/2017	SUNDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				23593																		10/16/2017	MONDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				24864																		10/17/2017	TUESDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				25114																		10/18/2017	WEDNESDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				25414																		10/19/2017	THURSDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				25605																		10/20/2017	FRIDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				26841																		10/21/2017	SATURDAY
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				17118																		10/22/2017	SUNDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				22855																		10/16/2017	MONDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				23439																		10/17/2017	TUESDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				23949																		10/18/2017	WEDNESDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				24229																		10/19/2017	THURSDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				24574																		10/20/2017	FRIDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				21777																		10/21/2017	SATURDAY
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				18752																		10/22/2017	SUNDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16627																		10/16/2017	MONDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16606																		10/17/2017	TUESDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16777																		10/18/2017	WEDNESDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16881																		10/19/2017	THURSDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				18503																		10/20/2017	FRIDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				19507																		10/21/2017	SATURDAY
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16713																		10/22/2017	SUNDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				9521																		10/16/2017	MONDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10303																		10/17/2017	TUESDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10139																		10/18/2017	WEDNESDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10140																		10/19/2017	THURSDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10233																		10/20/2017	FRIDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				6734																		10/21/2017	SATURDAY
Alameda	Emeryville	Hollis Street	64th Street	65th Street				5475																		10/22/2017	SUNDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				11528																		10/16/2017	MONDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12794																		10/17/2017	TUESDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12285																		10/18/2017	WEDNESDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12460																		10/19/2017	THURSDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12784																		10/20/2017	FRIDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				9343																		10/21/2017	SATURDAY
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				7380																		10/22/2017	SUNDAY
Alameda	Emeryville	Horton Street	45th Street	13rd Street				2809																		Sep-17 3 day avg	
Alameda	Emeryville	13rd Street	Horton Street	Hollis Street				662																		Sep-17 3 day avg	
Alameda	Emeryville	13rd Street	Hollis Street	Boyer Street				2103																		Sep-17 3 day avg	
Alameda	Emeryville	13rd Street	Boyer Street	San Pablo Avenue				2138																		Sep-17 3 day avg	
Alameda	Emeryville	45th Street	Doyle Street	San Pablo Avenue				2643																		Sep-17 3 day avg	
Alameda	Emeryville	45th Street	Hollis Street	Doyle Street				2404																		Sep-17 3 day avg	
Alameda	Emeryville	45th Street	Horton Street	Hollis Street				1319																		Sep-17 3 day avg	

From and To locations should run from W-E and S-N

ADT

For two-way facilities, provide the bi-directional ADT.

For one-way roadways, provide the directional ADT

AADT

AADT is the average daily traffic value that represents all days of the reporting year.

AADT reflects application of day of week, seasonal, and axle correction factors. No other adjustment factors are necessary.

48-hour counts are preferred but shorter duration, such as 24-hour counts, are acceptable if these are the latest available. Lacking a traffic count, the AADT may be estimated from a traffic flow diagram, or by other means.

ADT or AADT may be entered. It is not necessary to supply both.

Month and Year of Traffic Count:

MM/YYYY

Enter 'est' in Comments field if the ADT or AADT is estimated and not count based

Peak Hour Volume = The 24-hour peak

K-Factor

K30 if it is available. This is not common.

Code the K-Factor to the nearest whole percent. Don't use decimals

Either Peak Hour Volume or K-Factor may be entered.

It is not necessary to supply both of these.

D-Factor

The percent of the peak hour volume flowing in the peak direction.

This is normally 50-75% (100% for one-way facilities).

It cannot be less than 50% since it is defined by the peak direction.

Future ADT (or AADT)

This is typically greater than the current traffic volume but not more than 4 times the current traffic volume. Please provide an explanation wherever it is outside that range.

Year of Future ADT (or AADT)

Ideally, this would be 20 years hence. It should not be less than 18 years out but whatever model year is being predicted that is closest to the 20 year target will suffice.

VOLUME

65th St W/O Shellmound St

Day: Wednesday

Date: 11/8/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB					Total
					0	0											3,777
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL					
00:00			3	1	4		12:00			28	39	67					
00:15			2	2	4		12:15			20	28	48					
00:30			2	8	10		12:30			31	41	72					
00:45			2	9	3	14	12:45			18	97	32	140				
					5	23						50	237				
01:00			3	2	5		13:00			36	39	75					
01:15			1	3	4		13:15			25	36	61					
01:30			0	4	4		13:30			20	42	62					
01:45			0	4	2	11	13:45			20	101	34	151				
					2	15						54	252				
02:00			1	2	3		14:00			20	27	47					
02:15			2	1	3		14:15			22	28	50					
02:30			4	1	5		14:30			22	24	46					
02:45			2	9	2	6	14:45			20	84	26	105				
					4	15						46	189				
03:00			0	0	0		15:00			29	30	59					
03:15			0	2	2		15:15			23	26	49					
03:30			1	3	4		15:30			43	23	66					
03:45			0	1	2	7	15:45			39	134	22	101				
					2	8						61	235				
04:00			1	0	1		16:00			45	26	71					
04:15			2	2	4		16:15			38	36	74					
04:30			2	1	3		16:30			41	31	72					
04:45			1	6	3	11	16:45			51	175	21	114				
					3	11						72	289				
05:00			1	3	4		17:00			47	28	75					
05:15			2	5	7		17:15			39	29	68					
05:30			2	11	13		17:30			45	36	81					
05:45			2	7	8	27	17:45			40	171	46	139				
					10	34						86	310				
06:00			5	13	18		18:00			33	36	69					
06:15			7	29	36		18:15			42	28	70					
06:30			9	25	34		18:30			25	28	53					
06:45			8	29	34	101	18:45			25	125	27	119				
					42	130						52	244				
07:00			7	52	59		19:00			27	21	48					
07:15			19	57	76		19:15			14	21	35					
07:30			16	68	84		19:30			21	24	45					
07:45			23	65	69	246	19:45			12	74	11	77				
					92	311						23	151				
08:00			16	71	87		20:00			12	24	36					
08:15			21	56	77		20:15			13	21	34					
08:30			18	54	72		20:30			2	18	20					
08:45			25	80	64	245	20:45			8	35	13	76				
					89	325						21	111				
09:00			14	38	52		21:00			19	15	34					
09:15			25	60	85		21:15			7	16	23					
09:30			18	33	51		21:30			9	12	21					
09:45			16	73	39	170	21:45			10	45	13	56				
					55	243						23	101				
10:00			15	48	63		22:00			8	8	16					
10:15			22	38	60		22:15			10	19	29					
10:30			11	31	42		22:30			4	5	9					
10:45			14	62	28	145	22:45			3	25	12	44				
					42	207						15	69				
11:00			21	21	42		23:00			7	4	11					
11:15			21	28	49		23:15			6	6	12					
11:30			27	37	64		23:30			6	5	11					
11:45			27	96	39	125	23:45			3	22	9	24				
					66	221						12	46				
TOTALS			441	1102	1543		TOTALS			1088	1146	2234					
SPLIT %			28.6%	71.4%	40.9%		SPLIT %			48.7%	51.3%	59.1%					

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,529	2,248						3,777
AM Peak Hour			11:45	07:15	07:30		PM Peak Hour			16:45	13:00	17:00							
AM Pk Volume			106	265	340		PM Pk Volume			182	151	310							
Pk Hr Factor			0.855	0.933	0.924		Pk Hr Factor			0.892	0.899	0.901							
7 - 9 Volume	0	0	145	491	636		4 - 6 Volume	0	0	346	253	599							
7 - 9 Peak Hour			08:00	07:15	07:30		4 - 6 Peak Hour			16:45	17:00	17:00							
7 - 9 Pk Volume	0	0	80	265	340		4 - 6 Pk Volume	0	0	182	139	310							
Pk Hr Factor	0.000	0.000	0.800	0.933	0.924		Pk Hr Factor	0.000	0.000	0.892	0.755	0.901							

VOLUME

65th St W/O Shellmound St

Day: Thursday
Date: 11/9/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	1,683					2,261	3,944
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			7	4	11		12:00			24	35	59	
00:15			2	6	8		12:15			28	40	68	
00:30			1	5	6		12:30			25	31	56	
00:45			2	12	4	19	12:45			34	111	23	129
01:00			1	0	1		13:00			33	25	58	
01:15			4	1	5		13:15			28	38	66	
01:30			0	2	2		13:30			19	33	52	
01:45			0	5	3	6	13:45			27	107	26	122
02:00			2	1	3		14:00			22	24	46	
02:15			0	2	2		14:15			29	31	60	
02:30			1	0	1		14:30			26	33	59	
02:45			1	4	1	4	14:45			23	100	28	116
03:00			0	2	2		15:00			43	24	67	
03:15			0	1	1		15:15			36	30	66	
03:30			1	5	6		15:30			40	16	56	
03:45			1	2	0	8	15:45			47	166	22	92
04:00			3	2	5		16:00			46	42	88	
04:15			1	0	1		16:15			49	31	80	
04:30			0	1	1		16:30			48	36	84	
04:45			5	9	3	6	16:45			29	172	31	140
05:00			0	1	1		17:00			57	42	99	
05:15			2	10	12		17:15			53	31	84	
05:30			4	7	11		17:30			33	43	76	
05:45			0	6	13	31	17:45			37	180	31	147
06:00			5	13	18		18:00			30	48	78	
06:15			7	20	27		18:15			49	43	92	
06:30			8	25	33		18:30			26	27	53	
06:45			10	30	39	97	18:45			41	146	18	136
07:00			14	50	64		19:00			29	16	45	
07:15			14	61	75		19:15			34	22	56	
07:30			15	54	69		19:30			30	24	54	
07:45			20	63	67	232	19:45			21	114	20	82
08:00			15	76	91		20:00			19	23	42	
08:15			19	53	72		20:15			6	16	22	
08:30			17	53	70		20:30			13	26	39	
08:45			29	80	62	244	20:45			10	48	17	82
09:00			17	58	75		21:00			11	20	31	
09:15			23	55	78		21:15			13	13	26	
09:30			20	42	62		21:30			9	13	22	
09:45			15	75	54	209	21:45			12	45	15	61
10:00			19	40	59		22:00			4	17	21	
10:15			19	27	46		22:15			2	10	12	
10:30			21	23	44		22:30			3	10	13	
10:45			12	71	29	119	22:45			8	17	7	44
11:00			26	23	49		23:00			6	4	10	
11:15			21	21	42		23:15			3	9	12	
11:30			27	32	59		23:30			3	10	13	
11:45			31	105	27	103	23:45			3	15	9	32
TOTALS			462	1078	1540		TOTALS			1221	1183	2404	
SPLIT %			30.0%	70.0%	39.0%		SPLIT %			50.8%	49.2%	61.0%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,683	2,261						3,944
AM Peak Hour			11:30	07:15	08:00		PM Peak Hour			15:45	17:30	16:30							
AM Pk Volume			110	258	324		PM Pk Volume			190	165	327							
Pk Hr Factor			0.887	0.849	0.890		Pk Hr Factor			0.969	0.859	0.826							
7 - 9 Volume	0	0	143	476	619		4 - 6 Volume	0	0	352	287	639							
7 - 9 Peak Hour			08:00	07:15	08:00		4 - 6 Peak Hour			16:30	16:45	16:30							
7 - 9 Pk Volume	0	0	80	258	324		4 - 6 Pk Volume	0	0	187	147	327							
Pk Hr Factor	0.000	0.000	0.690	0.849	0.890		Pk Hr Factor	0.000	0.000	0.820	0.855	0.826							

VOLUME

65th St W/O Shellmound St

Day: Friday

Date: 11/10/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB					Total	
					0	0											1,541	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL						
00:00			1	7	8		12:00			34	29	63						
00:15			6	7	13		12:15			45	25	70						
00:30			2	4	6		12:30			37	35	72						
00:45			0	9	4	22	12:45			33	149	31	120	64	269			
01:00			2	1	3		13:00			21	31	52						
01:15			1	5	6		13:15			42	45	87						
01:30			1	3	4		13:30			20	28	48						
01:45			2	6	1	10	13:45			29	112	31	135	60	247			
02:00			0	1	1		14:00			28	30	58						
02:15			0	2	2		14:15			30	25	55						
02:30			1	1	2		14:30			34	25	59						
02:45			0	1	2	6	14:45			29	121	20	100	49	221			
03:00			1	2	3		15:00			36	18	54						
03:15			0	2	2		15:15			40	30	70						
03:30			0	1	1		15:30			41	24	65						
03:45			2	3	0	5	15:45			44	161	34	106	78	267			
04:00			0	1	1		16:00			33	28	61						
04:15			0	2	2		16:15			39	38	77						
04:30			1	0	1		16:30			34	24	58						
04:45			1	2	1	4	16:45			29	135	17	107	46	242			
05:00			0	6	6		17:00			38	32	70						
05:15			2	2	4		17:15			35	31	66						
05:30			4	4	8		17:30			35	43	78						
05:45			3	9	14	26	17:45			21	129	32	138	53	267			
06:00			3	7	10		18:00			30	30	60						
06:15			6	19	25		18:15			20	17	37						
06:30			5	17	22		18:30			0	0	0						
06:45			8	22	36	79	18:45			11	61	7	54	18	115			
07:00			10	29	39		19:00			17	29	46						
07:15			12	32	44		19:15			25	25	50						
07:30			11	45	56		19:30			14	20	34						
07:45			11	44	50	156	19:45			12	68	19	93	31	161			
08:00			14	52	66		20:00			18	20	38						
08:15			21	40	61		20:15			12	23	35						
08:30			15	32	47		20:30			13	20	33						
08:45			16	66	38	162	20:45			8	51	16	79	24	130			
09:00			19	37	56		21:00			13	25	38						
09:15			16	44	60		21:15			12	17	29						
09:30			16	25	41		21:30			12	16	28						
09:45			19	70	30	136	21:45			11	48	15	73	26	121			
10:00			23	37	60		22:00			14	16	30						
10:15			18	38	56		22:15			10	11	21						
10:30			23	37	60		22:30			6	17	23						
10:45			22	86	23	135	22:45			8	38	9	53	17	91			
11:00			17	16	33		23:00			12	21	33						
11:15			31	26	57		23:15			8	13	21						
11:30			35	27	62		23:30			6	14	20						
11:45			34	117	38	107	23:45			7	33	7	55	14	88			
TOTALS			435	848	1283		TOTALS			1106	1113	2219						
SPLIT %			33.9%	66.1%	36.6%		SPLIT %			49.8%	50.2%	63.4%						

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,541	1,961						3,502
AM Peak Hour			11:45	07:30	11:45		PM Peak Hour			15:00	12:30	15:30							
AM Pk Volume			150	187	277		PM Pk Volume			161	142	281							
Pk Hr Factor			0.833	0.899	0.962		Pk Hr Factor			0.915	0.789	0.901							
7 - 9 Volume	0	0	110	318	428		4 - 6 Volume	0	0	264	245	509							
7 - 9 Peak Hour			08:00	07:30	07:30		4 - 6 Peak Hour			16:15	17:00	17:00							
7 - 9 Pk Volume	0	0	66	187	244		4 - 6 Pk Volume	0	0	140	138	267							
Pk Hr Factor	0.000	0.000	0.786	0.899	0.924		Pk Hr Factor	0.000	0.000	0.897	0.802	0.856							

VOLUME

65th St W/O Shellmound St

Day: Saturday
Date: 11/11/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	1,279					1,485	2,764
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			5	9	14		12:00			32	29	61	
00:15			7	7	14		12:15			24	23	47	
00:30			3	5	8		12:30			28	30	58	
00:45			4	19	4	25	12:45			29	113	28	110
					8	44						57	223
01:00			1	4	5		13:00			25	26	51	
01:15			3	4	7		13:15			24	24	48	
01:30			3	4	7		13:30			30	34	64	
01:45			0	7	3	15	13:45			22	101	29	113
					3	22						51	214
02:00			0	6	6		14:00			20	29	49	
02:15			1	3	4		14:15			23	24	47	
02:30			1	8	9		14:30			29	24	53	
02:45			1	3	4	21	14:45			34	106	29	106
					5	24						63	212
03:00			2	4	6		15:00			38	27	65	
03:15			1	3	4		15:15			28	30	58	
03:30			1	2	3		15:30			41	28	69	
03:45			0	4	1	10	15:45			25	132	32	117
					1	14						57	249
04:00			0	1	1		16:00			32	30	62	
04:15			1	2	3		16:15			25	23	48	
04:30			0	0	0		16:30			23	17	40	
04:45			0	1	1	4	16:45			24	104	24	94
					1	5						48	198
05:00			3	5	8		17:00			40	20	60	
05:15			1	6	7		17:15			18	32	50	
05:30			0	1	1		17:30			20	25	45	
05:45			0	4	5	17	17:45			18	96	19	96
					5	21						37	192
06:00			4	0	4		18:00			17	22	39	
06:15			1	5	6		18:15			17	25	42	
06:30			5	6	11		18:30			16	18	34	
06:45			3	13	6	17	18:45			14	64	23	88
					9	30						37	152
07:00			4	7	11		19:00			16	28	44	
07:15			4	7	11		19:15			14	34	48	
07:30			7	3	10		19:30			15	24	39	
07:45			13	28	9	26	19:45			11	56	18	104
					22	54						29	160
08:00			9	10	19		20:00			6	16	22	
08:15			9	12	21		20:15			15	16	31	
08:30			10	11	21		20:30			13	10	23	
08:45			14	42	15	48	20:45			7	41	13	55
					29	90						20	96
09:00			13	16	29		21:00			8	13	21	
09:15			13	13	26		21:15			11	14	25	
09:30			9	20	29		21:30			7	14	21	
09:45			15	50	25	74	21:45			5	31	16	57
					40	124						21	88
10:00			17	22	39		22:00			7	13	20	
10:15			22	19	41		22:15			5	16	21	
10:30			23	28	51		22:30			5	9	14	
10:45			35	97	26	95	22:45			7	24	8	46
					61	192						15	70
11:00			27	21	48		23:00			4	7	11	
11:15			25	22	47		23:15			14	10	24	
11:30			32	31	63		23:30			3	11	14	
11:45			30	114	35	109	23:45			8	29	10	38
					65	223						18	67
TOTALS			382	461	843		TOTALS			897	1024	1921	
SPLIT %			45.3%	54.7%	30.5%		SPLIT %			46.7%	53.3%	69.5%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,279	1,485						2,764
AM Peak Hour			10:45	11:30	11:15		PM Peak Hour			14:45	15:15	14:45							
AM Pk Volume			119	118	236		PM Pk Volume			141	120	255							
Pk Hr Factor			0.850	0.843	0.908		Pk Hr Factor			0.860	0.938	0.924							
7 - 9 Volume	0	0	70	74	144		4 - 6 Volume	0	0	200	190	390							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:15	16:45	16:45							
7 - 9 Pk Volume	0	0	42	48	90		4 - 6 Pk Volume	0	0	112	101	203							
Pk Hr Factor	0.000	0.000	0.750	0.800	0.776		Pk Hr Factor	0.000	0.000	0.700	0.789	0.846							

VOLUME

65th St W/O Shellmound St

Day: Sunday

Date: 11/12/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total		
					0	0	1,864					1,246	3,110		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00			4	7	11		12:00			59	20	79			
00:15			5	4	9		12:15			49	22	71			
00:30			3	2	5		12:30			47	25	72			
00:45			3	15	9	22	12:45			61	216	31	98		
					12	37						92	314		
01:00			2	4	6		13:00			68	28	96			
01:15			4	5	9		13:15			53	27	80			
01:30			3	2	5		13:30			59	22	81			
01:45			2	11	3	12	13:45			56	236	25	102		
					3	23						81	338		
02:00			0	3	3		14:00			61	28	89			
02:15			3	5	8		14:15			69	35	104			
02:30			2	1	3		14:30			52	18	70			
02:45			1	6	5	13	14:45			52	234	23	104		
					5	19						75	338		
03:00			2	1	3		15:00			51	28	79			
03:15			1	0	1		15:15			53	32	85			
03:30			1	3	4		15:30			47	33	80			
03:45			0	4	1	5	15:45			46	197	23	116		
					1	9						69	313		
04:00			0	2	2		16:00			28	26	54			
04:15			3	2	5		16:15			40	24	64			
04:30			4	2	6		16:30			45	22	67			
04:45			3	10	3	9	16:45			27	140	23	95		
					6	19						50	235		
05:00			1	1	2		17:00			19	36	55			
05:15			0	1	1		17:15			17	22	39			
05:30			0	1	1		17:30			20	22	42			
05:45			0	1	0	3	17:45			17	73	18	98		
					0	4						35	171		
06:00			1	2	3		18:00			20	28	48			
06:15			1	3	4		18:15			23	26	49			
06:30			2	3	5		18:30			8	17	25			
06:45			3	7	3	11	18:45			10	61	15	86		
					6	18						25	147		
07:00			4	2	6		19:00			18	20	38			
07:15			4	3	7		19:15			15	25	40			
07:30			6	7	13		19:30			14	13	27			
07:45			6	20	7	19	19:45			8	55	12	70		
					13	39						20	125		
08:00			9	8	17		20:00			12	15	27			
08:15			8	8	16		20:15			10	16	26			
08:30			10	9	19		20:30			9	7	16			
08:45			11	38	21	73	20:45			12	43	12	50		
					21	73						24	93		
09:00			17	8	25		21:00			6	19	25			
09:15			16	12	28		21:15			5	16	21			
09:30			26	9	35		21:30			3	9	12			
09:45			44	103	56	144	21:45			5	19	12	51		
					56	144						12	70		
10:00			37	12	49		22:00			7	11	18			
10:15			50	22	72		22:15			3	9	12			
10:30			38	17	55		22:30			8	8	16			
10:45			41	166	64	240	22:45			1	19	5	32		
					64	240						5	51		
11:00			40	17	57		23:00			6	3	9			
11:15			43	23	66		23:15			3	0	3			
11:30			44	22	66		23:30			5	3	8			
11:45			48	175	76	265	23:45			1	15	5	25		
					76	265						5	25		
TOTALS	556					334	890	TOTALS	1308					912	2220
SPLIT %	62.5%					37.5%	28.6%	SPLIT %	58.9%					41.1%	71.4%

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,864	1,246						3,110
AM Peak Hour			11:45	11:45	11:45		PM Peak Hour			13:30	14:45	13:30							
AM Pk Volume			203	95	298		PM Pk Volume			245	116	355							
Pk Hr Factor			0.860	0.848	0.943		Pk Hr Factor			0.888	0.879	0.853							
7 - 9 Volume	0	0	58	54	112		4 - 6 Volume	0	0	213	193	406							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:00	16:15	16:15							
7 - 9 Pk Volume	0	0	38	35	73		4 - 6 Pk Volume	0	0	140	105	236							
Pk Hr Factor	0.000	0.000	0.864	0.875	0.869		Pk Hr Factor	0.000	0.000	0.778	0.729	0.881							

VOLUME

65th St W/O Shellmound St

Day: Monday
Date: 11/13/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	1,601					2,155	3,756
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			1	4	5		12:00			28	24	52	
00:15			2	3	5		12:15			26	31	57	
00:30			1	2	3		12:30			29	44	73	
00:45			0	4	1	10	12:45			37	120	38	137
01:00			2	2	4		13:00			26	30	56	
01:15			2	1	3		13:15			29	32	61	
01:30			1	0	1		13:30			19	28	47	
01:45			1	6	5	8	13:45			25	99	26	116
02:00			1	3	4		14:00			21	19	40	
02:15			0	2	2		14:15			33	20	53	
02:30			1	0	1		14:30			34	20	54	
02:45			0	2	0	5	14:45			21	109	25	84
03:00			0	0	0		15:00			25	22	47	
03:15			0	2	2		15:15			38	24	62	
03:30			0	0	0		15:30			38	23	61	
03:45			0	1	1	3	15:45			31	132	31	100
04:00			1	2	3		16:00			42	33	75	
04:15			2	1	3		16:15			39	16	55	
04:30			1	3	4		16:30			40	26	66	
04:45			2	6	4	10	16:45			51	172	30	105
05:00			2	3	5		17:00			58	36	94	
05:15			2	6	8		17:15			41	34	75	
05:30			5	13	18		17:30			39	42	81	
05:45			4	13	8	30	17:45			29	167	32	144
06:00			4	11	15		18:00			49	36	85	
06:15			8	27	35		18:15			35	36	71	
06:30			11	22	33		18:30			23	20	43	
06:45			13	36	42	102	18:45			21	128	19	111
07:00			10	75	85		19:00			18	29	47	
07:15			14	61	75		19:15			21	20	41	
07:30			16	65	81		19:30			11	16	27	
07:45			19	59	57	258	19:45			24	74	21	86
08:00			18	63	81		20:00			15	18	33	
08:15			24	49	73		20:15			8	26	34	
08:30			25	66	91		20:30			17	20	37	
08:45			26	93	71	249	20:45			14	54	16	80
09:00			25	54	79		21:00			19	13	32	
09:15			30	51	81		21:15			8	15	23	
09:30			20	40	60		21:30			8	10	18	
09:45			17	92	17	162	21:45			12	47	11	49
10:00			24	39	63		22:00			3	8	11	
10:15			15	36	51		22:15			5	13	18	
10:30			17	32	49		22:30			2	12	14	
10:45			15	71	30	137	22:45			10	20	8	41
11:00			22	33	55		23:00			3	5	8	
11:15			13	24	37		23:15			4	5	9	
11:30			24	27	51		23:30			0	8	8	
11:45			24	83	20	104	23:45			7	14	6	24
TOTALS			465	1078	1543		TOTALS			1136	1077	2213	
SPLIT %			30.1%	69.9%	41.1%		SPLIT %			51.3%	48.7%	58.9%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,601	2,155						3,756
AM Peak Hour			11:45	07:00	08:30		PM Peak Hour			16:30	17:30	16:45							
AM Pk Volume			107	258	348		PM Pk Volume			190	146	331							
Pk Hr Factor			0.922	0.860	0.897		Pk Hr Factor			0.819	0.869	0.880							
7 - 9 Volume	0	0	152	507	659		4 - 6 Volume	0	0	339	249	588							
7 - 9 Peak Hour			08:00	07:00	08:00		4 - 6 Peak Hour			16:30	17:00	16:45							
7 - 9 Pk Volume	0	0	93	258	342		4 - 6 Pk Volume	0	0	190	144	331							
Pk Hr Factor	0.000	0.000	0.894	0.860	0.881		Pk Hr Factor	0.000	0.000	0.819	0.857	0.880							

VOLUME

65th St W/O Shellmound St

Day: Tuesday
Date: 11/14/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,678	2,289						3,967
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			3	5	8		12:00			29	38	67							
00:15			2	7	9		12:15			30	32	62							
00:30			3	2	5		12:30			21	19	40							
00:45			1	9	4	18	12:45			22	102	28	117	50	219				
01:00			0	3	3		13:00			28	37	65							
01:15			3	5	8		13:15			31	45	76							
01:30			1	4	5		13:30			25	26	51							
01:45			3	7	1	13	13:45			21	105	35	143	56	248				
02:00			2	4	6		14:00			30	29	59							
02:15			0	0	0		14:15			25	32	57							
02:30			1	0	1		14:30			22	25	47							
02:45			1	4	1	5	14:45			32	109	27	113	59	222				
03:00			1	1	2		15:00			33	27	60							
03:15			0	4	4		15:15			35	24	59							
03:30			0	1	1		15:30			42	19	61							
03:45			0	1	0	6	15:45			40	150	34	104	74	254				
04:00			1	2	3		16:00			32	34	66							
04:15			1	1	2		16:15			43	27	70							
04:30			1	0	1		16:30			57	25	82							
04:45			2	5	1	4	16:45			25	157	14	100	39	257				
05:00			2	5	7		17:00			59	43	102							
05:15			2	6	8		17:15			45	35	80							
05:30			2	11	13		17:30			44	37	81							
05:45			2	8	7	29	17:45			43	191	46	161	89	352				
06:00			3	12	15		18:00			41	42	83							
06:15			6	20	26		18:15			34	37	71							
06:30			11	30	41		18:30			30	25	55							
06:45			9	29	41	103	18:45			33	138	23	127	56	265				
07:00			11	49	60		19:00			39	29	68							
07:15			16	59	75		19:15			28	20	48							
07:30			13	58	71		19:30			26	18	44							
07:45			26	66	69	235	19:45			27	120	20	87	47	207				
08:00			21	76	97		20:00			14	29	43							
08:15			16	50	66		20:15			12	19	31							
08:30			25	62	87		20:30			16	21	37							
08:45			19	81	83	271	20:45			15	57	28	97	43	154				
09:00			25	62	87		21:00			21	27	48							
09:15			20	49	69		21:15			8	18	26							
09:30			24	44	68		21:30			13	19	32							
09:45			19	88	33	188	21:45			8	50	15	79	23	129				
10:00			25	30	55		22:00			14	21	35							
10:15			15	23	38		22:15			4	9	13							
10:30			17	31	48		22:30			2	6	8							
10:45			22	79	25	109	22:45			8	28	9	45	17	73				
11:00			22	32	54		23:00			3	9	12							
11:15			23	29	52		23:15			4	6	10							
11:30			19	32	51		23:30			3	4	7							
11:45			15	79	19	112	23:45			5	15	4	23	9	38				
TOTALS			456	1093	1549		TOTALS			1222	1196	2418							
SPLIT %			29.4%	70.6%	39.0%		SPLIT %			50.5%	49.5%	61.0%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,678	2,289						3,967
AM Peak Hour			11:45	08:00	08:00		PM Peak Hour			17:00	17:30	17:00							
AM Pk Volume			95	271	352		PM Pk Volume			191	162	352							
Pk Hr Factor			0.792	0.816	0.863		Pk Hr Factor			0.809	0.880	0.863							
7 - 9 Volume	0	0	147	506	653		4 - 6 Volume	0	0	348	261	609							
7 - 9 Peak Hour			07:45	08:00	08:00		4 - 6 Peak Hour			17:00	17:00	17:00							
7 - 9 Pk Volume	0	0	88	271	352		4 - 6 Pk Volume	0	0	191	161	352							
Pk Hr Factor	0.000	0.000	0.846	0.816	0.863		Pk Hr Factor	0.000	0.000	0.809	0.875	0.863							

VOLUME

65th St E/O Overland St

Day: Tuesday

Date: 11/28/2017

City: Emeryville

Project #: CA17_7944_005

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	2,682					1,290	3,972
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			6	3	9		12:00			30	28	58	
00:15			8	6	14		12:15			37	12	49	
00:30			4	0	4		12:30			61	16	77	
00:45			3	21	0	9	12:45			18	146	10	66
01:00			1	1	2		13:00			45	21	66	
01:15			2	1	3		13:15			43	19	62	
01:30			0	2	2		13:30			50	19	69	
01:45			4	7	4	8	13:45			39	177	26	85
02:00			1	3	4		14:00			50	24	74	
02:15			3	0	3		14:15			52	18	70	
02:30			0	1	1		14:30			48	16	64	
02:45			0	4	0	4	14:45			40	190	14	72
03:00			0	0	0		15:00			52	19	71	
03:15			0	1	1		15:15			37	14	51	
03:30			1	3	4		15:30			58	17	75	
03:45			2	3	1	5	15:45			60	207	18	68
04:00			1	0	1		16:00			77	25	102	
04:15			0	2	2		16:15			74	21	95	
04:30			2	2	4		16:30			74	22	96	
04:45			2	5	3	7	16:45			63	288	20	88
05:00			3	1	4		17:00			72	20	92	
05:15			4	4	8		17:15			31	27	58	
05:30			6	2	8		17:30			78	34	112	
05:45			7	20	7	14	17:45			81	262	21	102
06:00			7	5	12		18:00			69	22	91	
06:15			14	7	21		18:15			60	21	81	
06:30			3	7	10		18:30			59	22	81	
06:45			12	36	11	30	18:45			52	240	16	81
07:00			13	20	33		19:00			41	27	68	
07:15			21	25	46		19:15			47	15	62	
07:30			25	33	58		19:30			54	23	77	
07:45			23	82	20	98	19:45			26	168	9	74
08:00			39	21	60		20:00			39	10	49	
08:15			30	31	61		20:15			32	15	47	
08:30			28	27	55		20:30			27	15	42	
08:45			32	129	28	107	20:45			29	127	18	58
09:00			25	23	48		21:00			30	10	40	
09:15			18	19	37		21:15			22	12	34	
09:30			34	18	52		21:30			16	13	29	
09:45			35	112	13	73	21:45			12	80	9	44
10:00			41	20	61		22:00			14	5	19	
10:15			35	22	57		22:15			18	4	22	
10:30			27	14	41		22:30			7	7	14	
10:45			35	138	27	83	22:45			8	47	4	20
11:00			26	18	44		23:00			6	3	9	
11:15			32	18	50		23:15			12	3	15	
11:30			59	22	81		23:30			4	1	5	
11:45			49	166	22	80	23:45			5	27	7	14
TOTALS			723	518	1241		TOTALS			1959	772	2731	
SPLIT %			58.3%	41.7%	31.2%		SPLIT %			71.7%	28.3%	68.8%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,682	1,290						3,972
AM Peak Hour			11:45	08:15	11:15		PM Peak Hour			16:00	17:15	17:30							
AM Pk Volume			177	109	260		PM Pk Volume			288	104	386							
Pk Hr Factor			0.725	0.879	0.802		Pk Hr Factor			0.935	0.765	0.862							
7 - 9 Volume	0	0	211	205	416		4 - 6 Volume	0	0	550	190	740							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:00	17:00	16:00							
7 - 9 Pk Volume	0	0	129	107	236		4 - 6 Pk Volume	0	0	288	102	376							
Pk Hr Factor	0.000	0.000	0.827	0.863	0.967		Pk Hr Factor	0.000	0.000	0.935	0.750	0.922							

VOLUME

65th St E/O Overland St

Day: Wednesday

Date: 11/29/2017

City: Emeryville

Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,762	1,220						3,982
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			5	3	8		12:00			54	21	75							
00:15			4	1	5		12:15			48	24	72							
00:30			2	2	4		12:30			47	21	68							
00:45			5	16	2	8	12:45			41	190	19	85	60	275				
01:00			2	1	3		13:00			48	27	75							
01:15			4	1	5		13:15			53	25	78							
01:30			1	1	2		13:30			53	17	70							
01:45			0	7	0	3	13:45			46	200	18	87	64	287				
02:00			3	1	4		14:00			43	20	63							
02:15			2	0	2		14:15			42	16	58							
02:30			0	1	1		14:30			50	15	65							
02:45			3	8	0	2	14:45			38	173	23	74	61	247				
03:00			0	0	0		15:00			47	16	63							
03:15			0	0	0		15:15			53	16	69							
03:30			1	1	2		15:30			53	19	72							
03:45			1	2	2	3	15:45			46	199	16	67	62	266				
04:00			1	0	1		16:00			75	19	94							
04:15			3	0	3		16:15			50	23	73							
04:30			1	1	2		16:30			78	25	103							
04:45			2	7	2	3	16:45			53	256	24	91	77	347				
05:00			3	0	3		17:00			75	30	105							
05:15			1	4	5		17:15			85	19	104							
05:30			8	1	9		17:30			72	20	92							
05:45			5	17	3	8	17:45			85	317	28	97	113	414				
06:00			10	8	18		18:00			71	29	100							
06:15			6	11	17		18:15			66	33	99							
06:30			11	9	20		18:30			75	17	92							
06:45			10	37	14	42	18:45			56	268	11	90	67	358				
07:00			19	14	33		19:00			45	25	70							
07:15			14	24	38		19:15			47	17	64							
07:30			20	20	40		19:30			38	22	60							
07:45			22	75	20	78	19:45			42	172	12	76	54	248				
08:00			21	16	37		20:00			28	11	39							
08:15			38	18	56		20:15			15	9	24							
08:30			39	27	66		20:30			22	10	32							
08:45			31	129	20	81	20:45			24	89	15	45	39	134				
09:00			24	22	46		21:00			31	13	44							
09:15			28	18	46		21:15			30	13	43							
09:30			32	14	46		21:30			31	7	38							
09:45			29	113	18	72	21:45			24	116	3	36	27	152				
10:00			23	16	39		22:00			10	1	11							
10:15			28	19	47		22:15			21	7	28							
10:30			32	15	47		22:30			8	8	16							
10:45			35	118	15	65	22:45			9	48	11	27	20	75				
11:00			39	18	57		23:00			5	1	6							
11:15			38	12	50		23:15			11	5	16							
11:30			50	16	66		23:30			6	3	9							
11:45			52	179	23	69	23:45			4	26	2	11	6	37				
TOTALS			708	434	1142		TOTALS			2054	786	2840							
SPLIT %			62.0%	38.0%	28.7%		SPLIT %			72.3%	27.7%	71.3%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,762	1,220						3,982
AM Peak Hour			11:30	11:45	11:45		PM Peak Hour			17:00	17:30	17:00							
AM Pk Volume			204	89	290		PM Pk Volume			317	110	414							
Pk Hr Factor			0.944	0.927	0.967		Pk Hr Factor			0.932	0.833	0.916							
7 - 9 Volume	0	0	204	159	363		4 - 6 Volume	0	0	573	188	761							
7 - 9 Peak Hour			08:00	07:45	08:00		4 - 6 Peak Hour			17:00	16:15	17:00							
7 - 9 Pk Volume	0	0	129	81	210		4 - 6 Pk Volume	0	0	317	102	414							
Pk Hr Factor	0.000	0.000	0.827	0.750	0.795		Pk Hr Factor	0.000	0.000	0.932	0.850	0.916							

VOLUME

65th St E/O Overland St

Day: Thursday
Date: 11/30/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,840	1,352						4,192
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			3	1	4		12:00			42	24	66							66
00:15			8	3	11		12:15			45	15	60							70
00:30			2	1	3		12:30			42	28	70							70
00:45			1	14	1	6	12:45			47	176	19	86	66	262				
01:00			4	3	7		13:00			49	15	64							64
01:15			1	0	1		13:15			43	22	65							65
01:30			1	0	1		13:30			48	18	66							66
01:45			1	7	2	5	13:45			44	184	19	74	63	258				
02:00			3	1	4		14:00			50	24	74							74
02:15			0	1	1		14:15			37	10	47							47
02:30			1	0	1		14:30			43	16	59							59
02:45			2	6	1	3	14:45			52	182	19	69	71	251				
03:00			0	1	1		15:00			56	12	68							68
03:15			2	1	3		15:15			41	13	54							54
03:30			3	0	3		15:30			56	25	81							81
03:45			1	6	2	4	15:45			66	219	19	69	85	288				
04:00			0	0	0		16:00			74	18	92							92
04:15			2	1	3		16:15			68	24	92							92
04:30			1	1	2		16:30			64	23	87							87
04:45			4	7	3	5	16:45			54	260	19	84	73	344				
05:00			3	8	11		17:00			76	33	109							109
05:15			6	3	9		17:15			77	33	110							110
05:30			7	3	10		17:30			73	37	110							110
05:45			8	24	4	18	17:45			72	298	36	139	108	437				
06:00			12	10	22		18:00			83	25	108							108
06:15			7	9	16		18:15			63	23	86							86
06:30			10	9	19		18:30			66	23	89							89
06:45			8	37	12	40	18:45			58	270	22	93	80	363				
07:00			14	23	37		19:00			48	23	71							71
07:15			25	15	40		19:15			32	21	53							53
07:30			24	22	46		19:30			45	19	64							64
07:45			30	93	16	76	19:45			36	161	14	77	50	238				
08:00			28	17	45		20:00			35	16	51							51
08:15			32	22	54		20:15			23	17	40							40
08:30			40	30	70		20:30			28	13	41							41
08:45			42	142	30	99	20:45			21	107	13	59	34	166				
09:00			23	19	42		21:00			22	15	37							37
09:15			34	26	60		21:15			31	8	39							39
09:30			36	24	60		21:30			26	13	39							39
09:45			29	122	23	92	21:45			19	98	12	48	31	146				
10:00			35	22	57		22:00			15	11	26							26
10:15			37	16	53		22:15			17	9	26							26
10:30			46	21	67		22:30			14	7	21							21
10:45			42	160	14	73	22:45			13	59	9	36	22	95				
11:00			41	21	62		23:00			10	3	13							13
11:15			48	17	65		23:15			8	3	11							11
11:30			46	22	68		23:30			6	2	8							8
11:45			41	176	26	86	23:45			8	32	3	11	11	43				
TOTALS			794	507	1301		TOTALS			2046	845	2891							2891
SPLIT %			61.0%	39.0%	31.0%		SPLIT %			70.8%	29.2%	69.0%							69.0%

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,840	1,352						4,192
AM Peak Hour			10:30	08:30	11:15		PM Peak Hour			17:15	17:00	17:00							17:00
AM Pk Volume			177	105	266		PM Pk Volume			305	139	437							437
Pk Hr Factor			0.922	0.875	0.978		Pk Hr Factor			0.919	0.939	0.993							0.993
7 - 9 Volume	0	0	235	175	410		4 - 6 Volume	0	0	558	223	781							781
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			17:00	17:00	17:00							17:00
7 - 9 Pk Volume	0	0	142	99	241		4 - 6 Pk Volume	0	0	298	139	437							437
Pk Hr Factor	0.000	0.000	0.845	0.825	0.837		Pk Hr Factor	0.000	0.000	0.968	0.939	0.993							0.993

VOLUME

65th St E/O Overland St

Day: Friday

Date: 12/1/2017

City: Emeryville

Project #: CA17_7944_005

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	3,005					1,376	4,381
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			2	3	5		12:00			40	19	59	
00:15			7	4	11		12:15			45	31	76	
00:30			6	0	6		12:30			38	20	58	
00:45			1	16	0	7	12:45			51	174	26	96
01:00			3	2	5		13:00			55	19	74	
01:15			3	1	4		13:15			50	18	68	
01:30			2	1	3		13:30			47	20	67	
01:45			6	14	2	6	13:45			58	210	11	68
02:00			2	3	5		14:00			50	22	72	
02:15			0	1	1		14:15			66	23	89	
02:30			1	0	1		14:30			52	19	71	
02:45			1	4	1	5	14:45			54	222	27	91
03:00			1	0	1		15:00			71	22	93	
03:15			3	0	3		15:15			42	18	60	
03:30			3	0	3		15:30			38	23	61	
03:45			2	9	2	2	15:45			68	219	23	86
04:00			1	1	2		16:00			74	17	91	
04:15			0	0	0		16:15			71	23	94	
04:30			1	2	3		16:30			77	26	103	
04:45			0	2	1	4	16:45			79	301	24	90
05:00			2	1	3		17:00			63	27	90	
05:15			2	3	5		17:15			88	18	106	
05:30			3	3	6		17:30			74	36	110	
05:45			10	17	5	12	17:45			82	307	23	104
06:00			10	11	21		18:00			59	31	90	
06:15			9	8	17		18:15			64	25	89	
06:30			9	12	21		18:30			59	25	84	
06:45			17	45	15	46	18:45			52	234	19	100
07:00			22	17	39		19:00			50	21	71	
07:15			18	20	38		19:15			47	20	67	
07:30			20	20	40		19:30			57	18	75	
07:45			27	87	28	85	19:45			39	193	11	70
08:00			29	20	49		20:00			38	15	53	
08:15			35	28	63		20:15			38	18	56	
08:30			36	33	69		20:30			28	8	36	
08:45			33	133	17	98	20:45			26	130	9	50
09:00			37	27	64		21:00			33	15	48	
09:15			29	17	46		21:15			45	11	56	
09:30			35	21	56		21:30			31	8	39	
09:45			27	128	22	87	21:45			27	136	16	50
10:00			26	18	44		22:00			16	11	27	
10:15			23	24	47		22:15			12	6	18	
10:30			38	15	53		22:30			13	6	19	
10:45			44	131	16	73	22:45			14	55	13	36
11:00			30	21	51		23:00			17	6	23	
11:15			49	19	68		23:15			16	9	25	
11:30			46	26	72		23:30			11	6	17	
11:45			49	174	19	85	23:45			20	64	4	25
TOTALS			760	510	1270		TOTALS			2245	866	3111	
SPLIT %			59.8%	40.2%	29.0%		SPLIT %			72.2%	27.8%	71.0%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,005	1,376						4,381
AM Peak Hour			11:15	07:45	11:30		PM Peak Hour			16:30	17:30	17:00							
AM Pk Volume			184	109	275		PM Pk Volume			307	115	411							
Pk Hr Factor			0.939	0.826	0.905		Pk Hr Factor			0.872	0.799	0.934							
7 - 9 Volume	0	0	220	183	403		4 - 6 Volume	0	0	608	194	802							
7 - 9 Peak Hour			08:00	07:45	07:45		4 - 6 Peak Hour			16:30	16:45	17:00							
7 - 9 Pk Volume	0	0	133	109	236		4 - 6 Pk Volume	0	0	307	105	411							
Pk Hr Factor	0.000	0.000	0.924	0.826	0.855		Pk Hr Factor	0.000	0.000	0.872	0.729	0.934							

VOLUME

65th St E/O Overland St

Day: Saturday
Date: 12/2/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,501	1,521						5,022
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			10	4	14		12:00			63	27	90							
00:15			11	6	17		12:15			57	34	91							
00:30			13	3	16		12:30			69	30	99							
00:45			8	42	2	15	12:45			62	251	33	124	95	375				
01:00			8	5	13		13:00			85	32	117							
01:15			4	2	6		13:15			59	31	90							
01:30			4	2	6		13:30			58	28	86							
01:45			3	19	2	11	13:45			67	269	29	120	96	389				
02:00			9	3	12		14:00			69	17	86							
02:15			6	3	9		14:15			55	29	84							
02:30			2	2	4		14:30			84	36	120							
02:45			2	19	2	10	14:45			91	299	26	108	117	407				
03:00			5	0	5		15:00			98	23	121							
03:15			0	0	0		15:15			103	34	137							
03:30			5	0	5		15:30			73	27	100							
03:45			1	11	3	3	15:45			104	378	35	119	139	497				
04:00			2	3	5		16:00			81	37	118							
04:15			2	0	2		16:15			90	37	127							
04:30			2	0	2		16:30			90	28	118							
04:45			2	8	1	4	16:45			80	341	24	126	104	467				
05:00			1	1	2		17:00			111	42	153							
05:15			1	1	2		17:15			119	33	152							
05:30			0	3	3		17:30			112	38	150							
05:45			3	5	2	7	17:45			106	448	38	151	144	599				
06:00			6	0	6		18:00			70	43	113							
06:15			4	2	6		18:15			91	35	126							
06:30			7	5	12		18:30			53	31	84							
06:45			6	23	6	13	18:45			63	277	34	143	97	420				
07:00			3	1	4		19:00			57	27	84							
07:15			8	4	12		19:15			49	23	72							
07:30			17	4	21		19:30			33	20	53							
07:45			14	42	13	22	19:45			21	160	15	85	36	245				
08:00			8	6	14		20:00			34	19	53							
08:15			9	9	18		20:15			34	11	45							
08:30			11	12	23		20:30			30	17	47							
08:45			22	50	8	35	20:45			34	132	16	63	50	195				
09:00			24	9	33		21:00			23	10	33							
09:15			19	13	32		21:15			34	18	52							
09:30			34	19	53		21:30			22	5	27							
09:45			27	104	19	60	21:45			23	102	13	46	36	148				
10:00			32	14	46		22:00			14	10	24							
10:15			47	25	72		22:15			19	18	37							
10:30			37	31	68		22:30			27	5	32							
10:45			59	175	18	88	22:45			19	79	7	40	26	119				
11:00			45	20	65		23:00			14	9	23							
11:15			54	32	86		23:15			12	7	19							
11:30			56	24	80		23:30			12	2	14							
11:45			60	215	26	102	23:45			14	52	8	26	22	78				
TOTALS			713	370	1083		TOTALS			2788	1151	3939							
SPLIT %			65.8%	34.2%	21.6%		SPLIT %			70.8%	29.2%	78.4%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,501	1,521						5,022
AM Peak Hour			11:45	11:45	11:45		PM Peak Hour			17:00	17:30	17:00							
AM Pk Volume			249	117	366		PM Pk Volume			448	154	599							
Pk Hr Factor			0.902	0.860	0.924		Pk Hr Factor			0.941	0.895	0.979							
7 - 9 Volume	0	0	92	57	149		4 - 6 Volume	0	0	789	277	1066							
7 - 9 Peak Hour			08:00	07:45	08:00		4 - 6 Peak Hour			17:00	17:00	17:00							
7 - 9 Pk Volume	0	0	50	40	85		4 - 6 Pk Volume	0	0	448	151	599							
Pk Hr Factor	0.000	0.000	0.568	0.769	0.708		Pk Hr Factor	0.000	0.000	0.941	0.899	0.979							

VOLUME

65th St E/O Overland St

Day: Sunday
Date: 12/3/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB	EB					WB	Total				
					0	0						2,394					
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL					
00:00			6	9	15		12:00			45	23	68					
00:15			6	5	11		12:15			54	23	77					
00:30			12	4	16		12:30			39	23	62					
00:45			11	35	4	22	15	57	48	186	25	94	73	280			
01:00			4	3	7		13:00			52	23	75					
01:15			2	1	3		13:15			48	28	76					
01:30			10	1	11		13:30			55	28	83					
01:45			4	20	2	7	6	27	57	212	22	101	79	313			
02:00			4	3	7		14:00			38	31	69					
02:15			4	2	6		14:15			62	22	84					
02:30			3	1	4		14:30			64	21	85					
02:45			5	16	0	6	5	22	62	226	23	97	85	323			
03:00			3	0	3		15:00			38	21	59					
03:15			1	3	4		15:15			61	17	78					
03:30			2	0	2		15:30			52	21	73					
03:45			6	12	1	4	7	16	48	199	24	83	72	282			
04:00			2	0	2		16:00			54	26	80					
04:15			2	1	3		16:15			55	23	78					
04:30			1	0	1		16:30			68	23	91					
04:45			2	7	1	2	3	9	70	247	22	94	92	341			
05:00			2	2	4		17:00			56	19	75					
05:15			0	0	0		17:15			61	23	84					
05:30			0	0	0		17:30			49	26	75					
05:45			2	4	1	3	3	7	60	226	12	80	72	306			
06:00			2	0	2		18:00			60	19	79					
06:15			1	4	5		18:15			56	16	72					
06:30			3	1	4		18:30			44	19	63					
06:45			4	10	6	11	10	21	43	203	17	71	60	274			
07:00			3	0	3		19:00			33	14	47					
07:15			4	2	6		19:15			35	16	51					
07:30			3	4	7		19:30			29	15	44					
07:45			7	17	5	11	12	28	29	126	16	61	45	187			
08:00			6	10	16		20:00			43	16	59					
08:15			16	8	24		20:15			22	14	36					
08:30			15	7	22		20:30			22	14	36					
08:45			13	50	5	30	18	80	15	102	10	54	25	156			
09:00			13	15	28		21:00			13	11	24					
09:15			16	12	28		21:15			24	16	40					
09:30			21	11	32		21:30			19	7	26					
09:45			29	79	15	53	44	132	10	66	8	42	18	108			
10:00			29	11	40		22:00			16	3	19					
10:15			30	20	50		22:15			12	5	17					
10:30			26	19	45		22:30			11	10	21					
10:45			33	118	13	63	46	181	7	46	7	25	14	71			
11:00			32	16	48		23:00			8	3	11					
11:15			31	22	53		23:15			10	6	16					
11:30			30	17	47		23:30			8	4	12					
11:45			64	157	19	74	83	231	4	30	2	15	6	45			
TOTALS			525	286	811		TOTALS			1869	817	2686					
SPLIT %			64.7%	35.3%	23.2%		SPLIT %			69.6%	30.4%	76.8%					

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,394	1,103						3,497
AM Peak Hour			11:45	11:45	11:45		PM Peak Hour			16:30	13:15	16:30							
AM Pk Volume			202	88	290		PM Pk Volume			255	109	342							
Pk Hr Factor			0.789	0.957	0.873		Pk Hr Factor			0.911	0.879	0.929							
7 - 9 Volume	0	0	67	41	108		4 - 6 Volume	0	0	473	174	647							
7 - 9 Peak Hour			08:00	07:45	08:00		4 - 6 Peak Hour			16:30	16:00	16:30							
7 - 9 Pk Volume	0	0	50	30	80		4 - 6 Pk Volume	0	0	255	94	342							
Pk Hr Factor	0.000	0.000	0.781	0.750	0.833		Pk Hr Factor	0.000	0.000	0.911	0.904	0.929							

VOLUME

65th St E/O Overland St

Day: Monday
Date: 12/4/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,505	1,289						3,794
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00			7	0	7		12:00			25	18	43							
00:15			3	2	5		12:15			35	9	44							
00:30			5	1	6		12:30			45	19	64							
00:45			2	17	0	3	12:45			43	148	28	74	71	222				
01:00			4	3	7		13:00			54	22	76							
01:15			4	1	5		13:15			51	26	77							
01:30			4	0	4		13:30			44	18	62							
01:45			2	14	0	4	13:45			38	187	20	86	58	273				
02:00			2	2	4		14:00			52	24	76							
02:15			3	1	4		14:15			48	21	69							
02:30			2	1	3		14:30			57	10	67							
02:45			2	9	0	4	14:45			37	194	20	75	57	269				
03:00			1	0	1		15:00			13	15	28							
03:15			2	0	2		15:15			52	10	62							
03:30			0	1	1		15:30			38	14	52							
03:45			2	5	1	2	15:45			39	142	21	60	60	202				
04:00			1	0	1		16:00			35	23	58							
04:15			1	0	1		16:15			47	24	71							
04:30			1	3	4		16:30			63	32	95							
04:45			4	7	3	6	16:45			53	198	26	105	79	303				
05:00			1	0	1		17:00			78	21	99							
05:15			5	1	6		17:15			58	23	81							
05:30			7	2	9		17:30			71	25	96							
05:45			7	20	2	5	17:45			77	284	26	95	103	379				
06:00			8	7	15		18:00			51	23	74							
06:15			6	10	16		18:15			62	24	86							
06:30			10	13	23		18:30			50	23	73							
06:45			12	36	14	44	18:45			61	224	17	87	78	311				
07:00			10	18	28		19:00			31	15	46							
07:15			32	24	56		19:15			37	19	56							
07:30			17	23	40		19:30			45	18	63							
07:45			25	84	23	88	19:45			29	142	13	65	42	207				
08:00			36	21	57		20:00			28	18	46							
08:15			32	25	57		20:15			19	12	31							
08:30			32	29	61		20:30			12	9	21							
08:45			35	135	24	99	20:45			34	93	18	57	52	150				
09:00			30	35	65		21:00			27	13	40							
09:15			29	18	47		21:15			15	9	24							
09:30			33	20	53		21:30			12	11	23							
09:45			37	129	21	94	21:45			15	69	4	37	19	106				
10:00			20	12	32		22:00			16	15	31							
10:15			33	13	46		22:15			9	6	15							
10:30			41	23	64		22:30			5	4	9							
10:45			38	132	25	73	22:45			7	37	2	27	9	64				
11:00			47	19	66		23:00			10	8	18							
11:15			44	16	60		23:15			10	2	12							
11:30			37	25	62		23:30			10	4	14							
11:45			34	162	21	81	23:45			7	37	4	18	11	55				
TOTALS			750	503	1253		TOTALS			1755	786	2541							
SPLIT %			59.9%	40.1%	33.0%		SPLIT %			69.1%	30.9%	67.0%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,505	1,289						3,794
AM Peak Hour			10:30	08:15	10:30		PM Peak Hour			17:00	16:00	17:00							
AM Pk Volume			170	113	253		PM Pk Volume			284	105	379							
Pk Hr Factor			0.904	0.807	0.958		Pk Hr Factor			0.910	0.820	0.920							
7 - 9 Volume	0	0	219	187	406		4 - 6 Volume	0	0	482	200	682							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			17:00	16:00	17:00							
7 - 9 Pk Volume	0	0	135	99	234		4 - 6 Pk Volume	0	0	284	105	379							
Pk Hr Factor	0.000	0.000	0.938	0.853	0.959		Pk Hr Factor	0.000	0.000	0.910	0.820	0.920							

Location: 2 - La Coste St, Between 65th St & 64th St
Date Range: 8/1/2023 - 8/7/2023
Site Code:

Time	Tuesday 8/1/2023			Wednesday 8/2/2023			Thursday 8/3/2023			Friday 8/4/2023			Saturday 8/5/2023			Sunday 8/6/2023			Monday 8/7/2023			Mid-Week Average		
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	0	1	1	0	1	1	2	2	4	-	-	-	-	-	-	-	-	-	1	1	2			
1:00 AM	2	2	4	0	1	1	1	2	3	-	-	-	-	-	-	-	-	-	1	2	3			
2:00 AM	0	2	2	0	1	1	0	0	0	-	-	-	-	-	-	-	-	-	0	1	1			
3:00 AM	0	0	0	0	0	0	0	3	3	-	-	-	-	-	-	-	-	-	0	1	1			
4:00 AM	1	3	4	0	5	5	0	2	2	-	-	-	-	-	-	-	-	-	0	3	4			
5:00 AM	2	2	4	4	7	11	0	3	3	-	-	-	-	-	-	-	-	-	2	4	6			
6:00 AM	6	3	9	8	5	13	5	5	10	-	-	-	-	-	-	-	-	-	6	4	11			
7:00 AM	6	5	11	1	6	7	4	3	7	-	-	-	-	-	-	-	-	-	4	5	8			
8:00 AM	5	6	11	8	9	17	5	6	11	-	-	-	-	-	-	-	-	-	6	7	13			
9:00 AM	8	5	13	6	8	14	9	5	14	-	-	-	-	-	-	-	-	-	8	6	14			
10:00 AM	10	5	15	9	11	20	4	9	13	-	-	-	-	-	-	-	-	-	8	8	16			
11:00 AM	6	13	19	5	9	14	9	11	20	-	-	-	-	-	-	-	-	-	7	11	18			
12:00 PM	4	15	19	13	7	20	4	10	14	-	-	-	-	-	-	-	-	-	7	11	18			
1:00 PM	5	9	14	5	11	16	7	9	16	-	-	-	-	-	-	-	-	-	6	10	15			
2:00 PM	9	8	17	4	10	14	3	6	9	-	-	-	-	-	-	-	-	-	5	8	13			
3:00 PM	5	7	12	8	4	12	11	5	16	-	-	-	-	-	-	-	-	-	8	5	13			
4:00 PM	13	9	22	5	5	10	8	5	13	-	-	-	-	-	-	-	-	-	9	6	15			
5:00 PM	9	10	19	6	8	14	7	11	18	-	-	-	-	-	-	-	-	-	7	10	17			
6:00 PM	15	10	25	9	4	13	9	8	17	-	-	-	-	-	-	-	-	-	11	7	18			
7:00 PM	6	8	14	7	6	13	2	5	7	-	-	-	-	-	-	-	-	-	5	6	11			
8:00 PM	5	6	11	2	8	10	1	4	5	-	-	-	-	-	-	-	-	-	3	6	9			
9:00 PM	2	5	7	2	0	2	1	4	5	-	-	-	-	-	-	-	-	-	2	3	5			
10:00 PM	1	2	3	0	3	3	2	5	7	-	-	-	-	-	-	-	-	-	1	3	4			
11:00 PM	3	3	6	2	2	4	1	2	3	-	-	-	-	-	-	-	-	-	2	2	4			
Total	123	139	262	104	131	235	95	125	220	-	-	-	-	-	-	-	-	-	107	132	239			
Percent	47%	53%		44%	56%		43%	57%		-	-	-	-	-	-	-	-	-	45%	55%				
AM Peak	10:00	11:00	11:00	10:00	10:00	10:00	09:00	11:00	11:00	-	-	-	-	-	-	-	-	-	09:00	11:00	11:00			
Vol.	10	13	19	9	11	20	9	11	20	-	-	-	-	-	-	-	-	-	8	11	18			
PM Peak	18:00	12:00	18:00	12:00	13:00	12:00	15:00	17:00	17:00	-	-	-	-	-	-	-	-	-	18:00	12:00	18:00			
Vol.	15	15	25	13	11	20	11	11	18	-	-	-	-	-	-	-	-	-	11	11	18			

1. Mid-week average includes data between Tuesday and Thursday.

Location: 53rd St, Between Emery Bay Dr & Boyer St
Date Range: 9/10/2019 - 9/16/2019
Site Code: 07

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	9/10/2019			9/11/2019			9/12/2019			9/13/2019			9/14/2019			9/15/2019			9/16/2019					
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00 AM	8	2	10	6	2	8	9	1	10	-	-	-	-	-	-	-	-	-	-	-	-	8	2	9
1:00 AM	8	2	10	6	1	7	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	6	1	7
2:00 AM	1	6	7	2	1	3	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	2	3	6
3:00 AM	5	0	5	2	2	4	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5
4:00 AM	3	2	5	4	4	8	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5
5:00 AM	4	5	9	9	7	16	6	10	16	-	-	-	-	-	-	-	-	-	-	-	-	6	7	14
6:00 AM	10	25	35	7	16	23	7	16	23	-	-	-	-	-	-	-	-	-	-	-	-	8	19	27
7:00 AM	52	68	120	41	53	94	46	54	100	-	-	-	-	-	-	-	-	-	-	-	-	46	58	105
8:00 AM	106	120	226	130	125	255	104	113	217	-	-	-	-	-	-	-	-	-	-	-	-	113	119	233
9:00 AM	34	84	118	35	92	127	36	81	117	-	-	-	-	-	-	-	-	-	-	-	-	35	86	121
10:00 AM	46	55	101	41	68	109	28	56	84	-	-	-	-	-	-	-	-	-	-	-	-	38	60	98
11:00 AM	50	23	73	42	30	72	46	45	91	-	-	-	-	-	-	-	-	-	-	-	-	46	33	79
12:00 PM	48	34	82	52	43	95	52	49	101	-	-	-	-	-	-	-	-	-	-	-	-	51	42	93
1:00 PM	52	34	86	86	63	149	68	47	115	-	-	-	-	-	-	-	-	-	-	-	-	69	48	117
2:00 PM	64	29	93	56	43	99	74	35	109	-	-	-	-	-	-	-	-	-	-	-	-	65	36	100
3:00 PM	98	57	155	71	29	100	72	55	127	-	-	-	-	-	-	-	-	-	-	-	-	80	47	127
4:00 PM	101	36	137	128	41	169	97	49	146	-	-	-	-	-	-	-	-	-	-	-	-	109	42	151
5:00 PM	171	65	236	183	69	252	151	50	201	-	-	-	-	-	-	-	-	-	-	-	-	168	61	230
6:00 PM	141	48	189	111	54	165	102	41	143	-	-	-	-	-	-	-	-	-	-	-	-	118	48	166
7:00 PM	73	22	95	65	18	83	61	25	86	-	-	-	-	-	-	-	-	-	-	-	-	66	22	88
8:00 PM	76	28	104	73	22	95	62	24	86	-	-	-	-	-	-	-	-	-	-	-	-	70	25	95
9:00 PM	24	9	33	34	8	42	27	18	45	-	-	-	-	-	-	-	-	-	-	-	-	28	12	40
10:00 PM	18	11	29	20	13	33	17	10	27	-	-	-	-	-	-	-	-	-	-	-	-	18	11	30
11:00 PM	13	5	18	10	7	17	11	5	16	-	-	-	-	-	-	-	-	-	-	-	-	11	6	17
Total	1,206	770	1,976	1,214	811	2,025	1,086	791	1,877	-	-	-	-	-	-	-	-	-	-	-	-	1,169	791	1,959
Percent	61%	39%	-	60%	40%	-	58%	42%	-	-	-	-	-	-	-	-	-	-	-	-	-	60%	40%	-
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	-	-	-	-	-	-	-	-	-	-	-	-	08:00	08:00	08:00
Vol.	106	120	226	130	125	255	104	113	217	-	-	-	-	-	-	-	-	-	-	-	-	113	119	233
PM Peak	17:00	17:00	17:00	17:00	17:00	17:00	17:00	15:00	17:00	-	-	-	-	-	-	-	-	-	-	-	-	17:00	17:00	17:00
Vol.	171	65	236	183	69	252	151	55	201	-	-	-	-	-	-	-	-	-	-	-	-	168	61	230

1. Mid-week average includes data between Tuesday and Thursday.

Location: 3 - Park Ave, Between Hollis St & Haven St
 Date Range: 8/8/2023 - 8/14/2023
 Site Code:

Time	Tuesday 8/8/2023			Wednesday 8/9/2023			Thursday 8/10/2023			Friday 8/11/2023			Saturday 8/12/2023			Sunday 8/13/2023			Monday 8/14/2023			Mid-Week Average		
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00 AM	5	12	17	5	4	9	7	9	16	-	-	-	-	-	-	-	-	-	-	-	-	6	8	14
1:00 AM	0	1	1	0	5	5	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5
2:00 AM	2	1	3	0	4	4	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
3:00 AM	0	2	2	3	6	9	3	6	9	-	-	-	-	-	-	-	-	-	-	-	-	2	5	7
4:00 AM	4	6	10	1	3	4	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	3	4	7
5:00 AM	9	47	56	11	42	53	11	32	43	-	-	-	-	-	-	-	-	-	-	-	-	10	40	51
6:00 AM	31	77	108	34	63	97	28	55	83	-	-	-	-	-	-	-	-	-	-	-	-	31	65	96
7:00 AM	52	99	151	54	96	150	52	78	130	-	-	-	-	-	-	-	-	-	-	-	-	53	91	144
8:00 AM	84	142	226	84	120	204	76	101	177	-	-	-	-	-	-	-	-	-	-	-	-	81	121	202
9:00 AM	90	98	188	85	117	202	91	112	203	-	-	-	-	-	-	-	-	-	-	-	-	89	109	198
10:00 AM	86	115	201	71	90	161	84	112	196	-	-	-	-	-	-	-	-	-	-	-	-	80	106	186
11:00 AM	71	128	199	100	96	196	89	108	197	-	-	-	-	-	-	-	-	-	-	-	-	87	111	197
12:00 PM	102	130	232	98	140	238	109	130	239	-	-	-	-	-	-	-	-	-	-	-	-	103	133	236
1:00 PM	90	145	235	101	145	246	83	123	206	-	-	-	-	-	-	-	-	-	-	-	-	91	138	229
2:00 PM	104	135	239	85	146	231	115	150	265	-	-	-	-	-	-	-	-	-	-	-	-	101	144	245
3:00 PM	123	167	290	113	139	252	108	169	277	-	-	-	-	-	-	-	-	-	-	-	-	115	158	273
4:00 PM	117	158	275	93	161	254	115	196	311	-	-	-	-	-	-	-	-	-	-	-	-	108	172	280
5:00 PM	120	242	362	92	179	271	91	242	333	-	-	-	-	-	-	-	-	-	-	-	-	101	221	322
6:00 PM	86	173	259	57	164	221	75	144	219	-	-	-	-	-	-	-	-	-	-	-	-	73	160	233
7:00 PM	47	100	147	55	103	158	60	105	165	-	-	-	-	-	-	-	-	-	-	-	-	54	103	157
8:00 PM	44	61	105	38	69	107	42	78	120	-	-	-	-	-	-	-	-	-	-	-	-	41	69	111
9:00 PM	18	42	60	26	33	59	25	42	67	-	-	-	-	-	-	-	-	-	-	-	-	23	39	62
10:00 PM	19	35	54	13	27	40	18	21	39	-	-	-	-	-	-	-	-	-	-	-	-	17	28	44
11:00 PM	9	8	17	9	16	25	10	12	22	-	-	-	-	-	-	-	-	-	-	-	-	9	12	21
Total	1,313	2,124	3,437	1,228	1,968	3,196	1,303	2,036	3,339	-	-	-	-	-	-	-	-	-	-	-	-	1,281	2,043	3,324
Percent	38%	62%		38%	62%		39%	61%		-	-	-	-	-	-	-	-	-	-	-	-	39%	61%	
AM Peak	09:00	08:00	08:00	11:00	08:00	08:00	09:00	09:00	09:00	-	-	-	-	-	-	-	-	-	-	-	-	09:00	08:00	08:00
Vol.	90	142	226	100	120	204	91	112	203	-	-	-	-	-	-	-	-	-	-	-	-	89	121	202
PM Peak	15:00	17:00	17:00	15:00	17:00	17:00	14:00	17:00	17:00	-	-	-	-	-	-	-	-	-	-	-	-	15:00	17:00	17:00
Vol.	123	242	362	113	179	271	115	242	333	-	-	-	-	-	-	-	-	-	-	-	-	115	221	322

1. Mid-week average includes data between Tuesday and Thursday.

Location: 4 - W Frontage Rd, Between Point Emery Ln & Access Rd
Date Range: 8/1/2023 - 8/7/2023
Site Code:

Time	Tuesday 8/1/2023			Wednesday 8/2/2023			Thursday 8/3/2023			Friday 8/4/2023			Saturday 8/5/2023			Sunday 8/6/2023			Monday 8/7/2023			Mid-Week Average		
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	8	7	15	13	10	23	11	11	22	-	-	-	-	-	-	-	-	-	-	-	-	11	9	20
1:00 AM	5	4	9	13	6	19	7	4	11	-	-	-	-	-	-	-	-	-	-	-	-	8	5	13
2:00 AM	6	1	7	3	5	8	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	4	3	7
3:00 AM	2	3	5	6	2	8	6	5	11	-	-	-	-	-	-	-	-	-	-	-	-	5	3	8
4:00 AM	5	6	11	3	6	9	4	5	9	-	-	-	-	-	-	-	-	-	-	-	-	4	6	10
5:00 AM	12	10	22	11	11	22	7	12	19	-	-	-	-	-	-	-	-	-	-	-	-	10	11	21
6:00 AM	25	20	45	23	28	51	35	21	56	-	-	-	-	-	-	-	-	-	-	-	-	28	23	51
7:00 AM	59	54	113	43	52	95	76	57	133	-	-	-	-	-	-	-	-	-	-	-	-	59	54	114
8:00 AM	58	106	164	56	119	175	56	116	172	-	-	-	-	-	-	-	-	-	-	-	-	57	114	170
9:00 AM	59	110	169	59	87	146	63	118	181	-	-	-	-	-	-	-	-	-	-	-	-	60	105	165
10:00 AM	57	89	146	52	87	139	55	85	140	-	-	-	-	-	-	-	-	-	-	-	-	55	87	142
11:00 AM	84	128	212	81	121	202	66	97	163	-	-	-	-	-	-	-	-	-	-	-	-	77	115	192
12:00 PM	80	162	242	72	135	207	93	92	185	-	-	-	-	-	-	-	-	-	-	-	-	82	130	211
1:00 PM	95	149	244	90	174	264	127	146	273	-	-	-	-	-	-	-	-	-	-	-	-	104	156	260
2:00 PM	195	230	425	169	208	377	158	281	439	-	-	-	-	-	-	-	-	-	-	-	-	174	240	414
3:00 PM	396	301	697	337	291	628	368	332	700	-	-	-	-	-	-	-	-	-	-	-	-	367	308	675
4:00 PM	506	275	781	443	250	693	495	299	794	-	-	-	-	-	-	-	-	-	-	-	-	481	275	756
5:00 PM	456	401	857	501	263	764	483	264	747	-	-	-	-	-	-	-	-	-	-	-	-	480	309	789
6:00 PM	273	153	426	217	127	344	443	133	576	-	-	-	-	-	-	-	-	-	-	-	-	311	138	449
7:00 PM	74	65	139	84	78	162	95	72	167	-	-	-	-	-	-	-	-	-	-	-	-	84	72	156
8:00 PM	62	67	129	73	64	137	59	62	121	-	-	-	-	-	-	-	-	-	-	-	-	65	64	129
9:00 PM	47	42	89	53	34	87	53	39	92	-	-	-	-	-	-	-	-	-	-	-	-	51	38	89
10:00 PM	38	26	64	41	23	64	31	30	61	-	-	-	-	-	-	-	-	-	-	-	-	37	26	63
11:00 PM	15	7	22	17	9	26	23	8	31	-	-	-	-	-	-	-	-	-	-	-	-	18	8	26
Total	2,617	2,416	5,033	2,460	2,190	4,650	2,818	2,291	5,109	-	-	-	-	-	-	-	-	-	-	-	-	2,632	2,299	4,931
Percent	52%	48%		53%	47%		55%	45%		-	-	-	-	-	-	-	-	-	-	-	-	53%	47%	
AM Peak	11:00	11:00	11:00	11:00	11:00	11:00	07:00	09:00	09:00	-	-	-	-	-	-	-	-	-	-	-	-	11:00	11:00	11:00
Vol.	84	128	212	81	121	202	76	118	181	-	-	-	-	-	-	-	-	-	-	-	-	77	115	192
PM Peak	16:00	17:00	17:00	17:00	15:00	17:00	16:00	15:00	16:00	-	-	-	-	-	-	-	-	-	-	-	-	16:00	17:00	17:00
Vol.	506	401	857	501	291	764	495	332	794	-	-	-	-	-	-	-	-	-	-	-	-	481	309	789

1. Mid-week average includes data between Tuesday and Thursday.

Location: Hollis St, Between 45th St & 53rd St
Date Range: 12/20/2022 - 12/26/2022
Site Code: 01

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	12/20/2022			12/21/2022			12/22/2022			12/23/2022			12/24/2022			12/25/2022			12/26/2022					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	14	14	28	17	8	25	9	19	28	-	-	-	-	-	-	-	-	-	-	-	-	13	14	27
1:00 AM	15	5	20	10	8	18	10	7	17	-	-	-	-	-	-	-	-	-	-	-	-	12	7	18
2:00 AM	10	13	23	4	6	10	6	3	9	-	-	-	-	-	-	-	-	-	-	-	-	7	7	14
3:00 AM	8	13	21	5	10	15	9	12	21	-	-	-	-	-	-	-	-	-	-	-	-	7	12	19
4:00 AM	8	21	29	11	29	40	14	30	44	-	-	-	-	-	-	-	-	-	-	-	-	11	27	38
5:00 AM	34	57	91	34	56	90	40	52	92	-	-	-	-	-	-	-	-	-	-	-	-	36	55	91
6:00 AM	71	93	164	71	85	156	74	75	149	-	-	-	-	-	-	-	-	-	-	-	-	72	84	156
7:00 AM	166	141	307	163	125	288	154	136	290	-	-	-	-	-	-	-	-	-	-	-	-	161	134	295
8:00 AM	245	215	460	223	216	439	217	212	429	-	-	-	-	-	-	-	-	-	-	-	-	228	214	443
9:00 AM	206	254	460	222	241	463	213	247	460	-	-	-	-	-	-	-	-	-	-	-	-	214	247	461
10:00 AM	243	183	426	242	227	469	228	221	449	-	-	-	-	-	-	-	-	-	-	-	-	238	210	448
11:00 AM	271	248	519	307	257	564	274	268	542	-	-	-	-	-	-	-	-	-	-	-	-	284	258	542
12:00 PM	320	265	585	296	259	555	322	332	654	-	-	-	-	-	-	-	-	-	-	-	-	313	285	598
1:00 PM	320	272	592	324	290	614	310	341	651	-	-	-	-	-	-	-	-	-	-	-	-	318	301	619
2:00 PM	333	300	633	349	336	685	433	317	750	-	-	-	-	-	-	-	-	-	-	-	-	372	318	689
3:00 PM	394	335	729	428	383	811	494	344	838	-	-	-	-	-	-	-	-	-	-	-	-	439	354	793
4:00 PM	495	300	795	574	289	863	572	282	854	-	-	-	-	-	-	-	-	-	-	-	-	547	290	837
5:00 PM	481	289	770	582	278	860	481	274	755	-	-	-	-	-	-	-	-	-	-	-	-	515	280	795
6:00 PM	260	206	466	283	175	458	270	155	425	-	-	-	-	-	-	-	-	-	-	-	-	271	179	450
7:00 PM	135	108	243	124	130	254	126	117	243	-	-	-	-	-	-	-	-	-	-	-	-	128	118	247
8:00 PM	106	90	196	81	69	150	89	83	172	-	-	-	-	-	-	-	-	-	-	-	-	92	81	173
9:00 PM	42	56	98	70	61	131	64	54	118	-	-	-	-	-	-	-	-	-	-	-	-	59	57	116
10:00 PM	39	36	75	43	36	79	42	40	82	-	-	-	-	-	-	-	-	-	-	-	-	41	37	79
11:00 PM	28	23	51	23	21	44	18	15	33	-	-	-	-	-	-	-	-	-	-	-	-	23	20	43
Total	4,244	3,537	7,781	4,486	3,595	8,081	4,469	3,636	8,105	-	-	-	-	-	-	-	-	-	-	-	-	4,400	3,589	7,989
Percent	55%	45%	-	56%	44%	-	55%	45%	-	-	-	-	-	-	-	-	-	-	-	-	-	55%	45%	-
AM Peak	11:00	09:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	-	-	-	-	-	-	-	-	-	-	-	-	11:00	11:00	11:00
Vol.	271	254	519	307	257	564	274	268	542	-	-	-	-	-	-	-	-	-	-	-	-	284	258	542
PM Peak	16:00	15:00	16:00	17:00	15:00	16:00	16:00	15:00	16:00	-	-	-	-	-	-	-	-	-	-	-	-	16:00	15:00	16:00
Vol.	495	335	795	582	383	863	572	344	854	-	-	-	-	-	-	-	-	-	-	-	-	547	354	837

1. Mid-week average includes data between Tuesday and Thursday.

Location: Hollis St, Between 45th St & 53rd St
Date Range: 12/9/2022 - 12/15/2022
Site Code: 01

Time	Friday			Saturday			Sunday			Monday			Tuesday			Wednesday			Thursday			Mid-Week Average		
	12/9/2022			12/10/2022			12/11/2022			12/12/2022			12/13/2022			12/14/2022			12/15/2022					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	24	19	43	29	28	57	21	13	34	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
1:00 AM	16	11	27	20	15	35	22	8	30	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
2:00 AM	12	6	18	9	6	15	10	9	19	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
3:00 AM	2	8	10	8	11	19	12	5	17	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
4:00 AM	8	27	35	10	16	26	4	14	18	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
5:00 AM	38	47	85	12	27	39	11	22	33	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
6:00 AM	80	94	174	27	27	54	15	23	38	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
7:00 AM	156	157	313	28	48	76	21	34	55	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
8:00 AM	328	253	581	81	76	157	65	68	133	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
9:00 AM	233	249	482	96	115	211	88	91	179	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
10:00 AM	245	221	466	170	151	321	120	116	236	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
11:00 AM	256	278	534	180	167	347	192	215	407	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
12:00 PM	316	278	594	190	188	378	225	231	456	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
1:00 PM	379	286	665	196	233	429	217	227	444	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
2:00 PM	442	302	744	234	217	451	234	238	472	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
3:00 PM	415	333	748	221	231	452	224	203	427	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
4:00 PM	472	349	821	201	195	396	177	184	361	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
5:00 PM	523	352	875	230	205	435	164	152	316	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
6:00 PM	299	228	527	181	147	328	126	100	226	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
7:00 PM	150	143	293	86	90	176	60	66	126	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
8:00 PM	98	100	198	85	44	129	51	52	103	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
9:00 PM	69	61	130	58	44	102	30	39	69	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
10:00 PM	55	46	101	53	71	124	29	23	52	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
11:00 PM	35	29	64	43	32	75	24	25	49	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
Total	4,651	3,877	8,528	2,448	2,384	4,832	2,142	2,158	4,300	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
Percent	55%	45%	-	51%	49%	-	50%	50%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AM Peak	08:00	11:00	08:00	11:00	11:00	11:00	11:00	11:00	11:00	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
Vol.	328	278	581	180	167	347	192	215	407	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
PM Peak	17:00	17:00	17:00	14:00	13:00	15:00	14:00	14:00	14:00	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####
Vol.	523	352	875	234	233	452	234	238	472	-	-	-	-	-	-	-	-	-	-	-	-	####	####	####

1. Mid-week average includes data between Tuesday and Thursday.

Location: 5 - Powell St, Between Admiral Dr & Commodore Dr
Date Range: 8/1/2023 - 8/7/2023
Site Code:

Time	Tuesday 8/1/2023			Wednesday 8/2/2023			Thursday 8/3/2023			Friday 8/4/2023			Saturday 8/5/2023			Sunday 8/6/2023			Monday 8/7/2023			Mid-Week Average		
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00 AM	4	6	10	7	15	22	13	12	25	-	-	-	-	-	-	-	-	-	-	-	-	8	11	19
1:00 AM	7	15	22	7	5	12	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	6	8	14
2:00 AM	3	3	6	9	9	18	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	4	4	8
3:00 AM	3	4	7	2	4	6	3	10	13	-	-	-	-	-	-	-	-	-	-	-	-	3	6	9
4:00 AM	9	12	21	5	21	26	7	19	26	-	-	-	-	-	-	-	-	-	-	-	-	7	17	24
5:00 AM	18	21	39	22	26	48	13	16	29	-	-	-	-	-	-	-	-	-	-	-	-	18	21	39
6:00 AM	30	38	68	38	26	64	37	37	74	-	-	-	-	-	-	-	-	-	-	-	-	35	34	69
7:00 AM	66	55	121	65	63	128	74	55	129	-	-	-	-	-	-	-	-	-	-	-	-	68	58	126
8:00 AM	90	63	153	83	55	138	79	48	127	-	-	-	-	-	-	-	-	-	-	-	-	84	55	139
9:00 AM	98	100	198	80	82	162	95	83	178	-	-	-	-	-	-	-	-	-	-	-	-	91	88	179
10:00 AM	89	98	187	86	93	179	88	145	233	-	-	-	-	-	-	-	-	-	-	-	-	88	112	200
11:00 AM	118	110	228	116	110	226	121	139	260	-	-	-	-	-	-	-	-	-	-	-	-	118	120	238
12:00 PM	126	114	240	127	159	286	118	123	241	-	-	-	-	-	-	-	-	-	-	-	-	124	132	256
1:00 PM	121	129	250	135	125	260	149	150	299	-	-	-	-	-	-	-	-	-	-	-	-	135	135	270
2:00 PM	125	126	251	116	133	249	146	98	244	-	-	-	-	-	-	-	-	-	-	-	-	129	119	248
3:00 PM	126	123	249	132	122	254	111	128	239	-	-	-	-	-	-	-	-	-	-	-	-	123	124	247
4:00 PM	136	139	275	121	119	240	135	141	276	-	-	-	-	-	-	-	-	-	-	-	-	131	133	264
5:00 PM	130	142	272	135	152	287	151	160	311	-	-	-	-	-	-	-	-	-	-	-	-	139	151	290
6:00 PM	124	123	247	132	146	278	113	154	267	-	-	-	-	-	-	-	-	-	-	-	-	123	141	264
7:00 PM	95	109	204	94	130	224	116	120	236	-	-	-	-	-	-	-	-	-	-	-	-	102	120	221
8:00 PM	78	91	169	116	123	239	133	114	247	-	-	-	-	-	-	-	-	-	-	-	-	109	109	218
9:00 PM	54	64	118	96	68	164	114	76	190	-	-	-	-	-	-	-	-	-	-	-	-	88	69	157
10:00 PM	34	46	80	57	48	105	51	43	94	-	-	-	-	-	-	-	-	-	-	-	-	47	46	93
11:00 PM	18	24	42	25	29	54	21	23	44	-	-	-	-	-	-	-	-	-	-	-	-	21	25	47
Total	1,702	1,755	3,457	1,806	1,863	3,669	1,892	1,899	3,791	-	-	-	-	-	-	-	-	-	-	-	-	1,800	1,839	3,639
Percent	49%	51%		49%	51%		50%	50%		-	-	-	-	-	-	-	-	-	-	-	-	49%	51%	
AM Peak	11:00	11:00	11:00	11:00	11:00	11:00	11:00	10:00	11:00	-	-	-	-	-	-	-	-	-	-	-	-	11:00	11:00	11:00
Vol.	118	110	228	116	110	226	121	145	260	-	-	-	-	-	-	-	-	-	-	-	-	118	120	238
PM Peak	16:00	17:00	16:00	13:00	12:00	17:00	17:00	17:00	17:00	-	-	-	-	-	-	-	-	-	-	-	-	17:00	17:00	17:00
Vol.	136	142	275	135	159	287	151	160	311	-	-	-	-	-	-	-	-	-	-	-	-	139	151	290

1. Mid-week average includes data between Tuesday and Thursday.

HPMS Data Collection Format

Section Identification					ADT or (AADT) by Vehicle Classification																				Through Lanes	Future AADT	Year of AADT	Date Taken	Comments
County	Jurisdiction	Street Name	Lat- Long/Street From	Lat-Long/Street To	Length	AADT	ADT	Peak Hour Volume	D FACTOR	K FACTOR	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13						
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12501																			10/16/2017	MONDAY	
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12521																			10/17/2017	TUESDAY	
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12749																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12749																			10/19/2017	THURSDAY	
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12958																			10/20/2017	FRIDAY	
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				17217																			10/21/2017	SATURDAY	
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				15357																			10/22/2017	SUNDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				38889																			10/16/2017	MONDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				39041																			10/17/2017	TUESDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				39407																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				39362																			10/19/2017	THURSDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				42151																			10/20/2017	FRIDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				40100																			10/21/2017	SATURDAY	
Alameda	Emeryville	Powell Street	180 EB Ramps	Christie Avenue				36083																			10/22/2017	SUNDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15596																			10/16/2017	MONDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15596																			10/17/2017	TUESDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15915																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				16083																			10/19/2017	THURSDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				18275																			10/20/2017	FRIDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				21136																			10/21/2017	SATURDAY	
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				18766																			10/22/2017	SUNDAY	
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				23593																			10/16/2017	MONDAY	
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				24864																			10/17/2017	TUESDAY	
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				25114																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				25605																			10/19/2017	THURSDAY	
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				20941																			10/20/2017	FRIDAY	
Alameda	Emeryville	San Pablo Avenue	45th Street	Park Avenue				17218																			10/21/2017	SATURDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				22855																			10/16/2017	MONDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				23439																			10/17/2017	TUESDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				23949																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				24229																			10/19/2017	THURSDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				24574																			10/20/2017	FRIDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				21777																			10/21/2017	SATURDAY	
Alameda	Emeryville	San Pablo Avenue	37th Street	36th Street				18762																			10/22/2017	SUNDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16027																			10/16/2017	MONDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16066																			10/17/2017	TUESDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16777																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				16881																			10/19/2017	THURSDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				18503																			10/20/2017	FRIDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				39507																			10/21/2017	SATURDAY	
Alameda	Emeryville	40th Street	Hollis Street	Emery Street				38713																			10/22/2017	SUNDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				9532																			10/16/2017	MONDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10303																			10/17/2017	TUESDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10139																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10382																			10/19/2017	THURSDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				10233																			10/20/2017	FRIDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				6734																			10/21/2017	SATURDAY	
Alameda	Emeryville	Hollis Street	64th Street	65th Street				6475																			10/22/2017	SUNDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				11528																			10/16/2017	MONDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12294																			10/17/2017	TUESDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12285																			10/18/2017	WEDNESDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12460																			10/19/2017	THURSDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				12784																			10/20/2017	FRIDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				9343																			10/21/2017	SATURDAY	
Alameda	Emeryville	Hollis Street	Stanford Avenue	13rd Street				7380																			10/22/2017	SUNDAY	
Alameda	Emeryville	Horton Street	45th Street	13rd Street				2809																			Sep-17 3 day avg		
Alameda	Emeryville	13rd Street	Horton Street	Hollis Street				662																			Sep-17 3 day avg		
Alameda	Emeryville	13rd Street	Hollis Street	Boyer Street				2103																			Sep-17 3 day avg		
Alameda	Emeryville	45th Street	Boyer Street	San Pablo Avenue				2138																			Sep-17 3 day avg		
Alameda	Emeryville	45th Street	Doyle Street	San Pablo Avenue				2643																			Sep-17 3 day avg		
Alameda	Emeryville	45th Street	Hollis Street	Doyle Street				2404																			Sep-17 3 day avg		
Alameda	Emeryville	45th Street	Horton Street	Hollis Street				1318																			Sep-17 3 day avg		

From and To locations should run from W-E and S-N

ADT

For two-way facilities, provide the bi-directional ADT.

For one-way roadways, provide the directional ADT

AADT

AADT is the average daily traffic value that represents all days of the reporting year.

AADT reflects application of day of week, seasonal, and site correction factors. No other adjustment factors are necessary.

48-hour counts are preferred but shorter duration, such as 24-hour counts, are acceptable if these are the latest available. Lacking a traffic count, the AADT may be estimated from a traffic flow diagram, or by other means.

ADT or AADT may be entered. It is not necessary to supply both.

Month and Year of Traffic Count:

MM/YYYY

Enter 'est' in Comments field if the ADT or AADT is estimated and not count based

Peak Hour Volume = The 24-hour peak

K-Factor

K30 if it is available. This is not common.

Code the K-Factor to the nearest whole percent. Don't use decimals

Either Peak Hour Volume or K-Factor may be entered.

It is not necessary to supply both of these.

D-Factor

The percent of the peak hour volume flowing in the peak direction.

This is normally 50-75% (100% for one-way facilities).

It cannot be less than 50% since it is defined by the peak direction.

Future ADT (or AADT)

This is typically greater than the current traffic volume but not more than 4 times the current traffic volume. Please provide an explanation wherever it is outside that range.

Year of Future ADT (or AADT)

Ideally, this would be 20 years hence. It should not be less than 18 years out but whatever model year is being predicted that is closest to the 20 year target will suffice.

VOLUME

Shellmound St S/O 65th St

Day: Wednesday

Date: 11/8/2017

City: Emeryville

Project #: CA17_7944_002

DAILY TOTALS					NB	SB	EB					WB	Total
					3,270	2,294	0					0	5,564
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	7	5			12		12:00	68	42			110	
00:15	3	6			9		12:15	56	30			86	
00:30	5	1			6		12:30	62	39			101	
00:45	5	20	5	17	10	37	12:45	54	240	31	142	85	382
01:00	4	4			8		13:00	73	52			125	
01:15	1	1			2		13:15	68	39			107	
01:30	1	4			5		13:30	73	37			110	
01:45	1	7	0	9	1	16	13:45	65	279	36	164	101	443
02:00	2	2			4		14:00	54	30			84	
02:15	1	1			2		14:15	66	33			99	
02:30	2	6			8		14:30	74	36			110	
02:45	0	5	1	10	1	15	14:45	53	247	31	130	84	377
03:00	1	3			4		15:00	56	35			91	
03:15	2	2			4		15:15	71	33			104	
03:30	5	2			7		15:30	60	21			81	
03:45	0	8	1	8	1	16	15:45	57	244	22	111	79	355
04:00	2	5			7		16:00	75	31			106	
04:15	2	6			8		16:15	73	44			117	
04:30	1	3			4		16:30	87	30			117	
04:45	1	6	6	20	7	26	16:45	72	307	37	142	109	449
05:00	3	5			8		17:00	73	31			104	
05:15	2	8			10		17:15	79	52			131	
05:30	4	13			17		17:30	82	47			129	
05:45	9	18	20	46	29	64	17:45	60	294	45	175	105	469
06:00	7	21			28		18:00	82	39			121	
06:15	10	16			26		18:15	91	35			126	
06:30	15	18			33		18:30	81	43			124	
06:45	9	41	23	78	32	119	18:45	65	319	44	161	109	480
07:00	22	21			43		19:00	57	34			91	
07:15	19	18			37		19:15	40	39			79	
07:30	20	27			47		19:30	45	26			71	
07:45	33	94	27	93	60	187	19:45	50	192	31	130	81	322
08:00	22	34			56		20:00	53	34			87	
08:15	21	29			50		20:15	55	24			79	
08:30	25	40			65		20:30	49	18			67	
08:45	26	94	37	140	63	234	20:45	28	185	23	99	51	284
09:00	14	36			50		21:00	35	19			54	
09:15	22	17			39		21:15	37	24			61	
09:30	25	37			62		21:30	38	17			55	
09:45	25	86	32	122	57	208	21:45	18	128	12	72	30	200
10:00	30	34			64		22:00	13	18			31	
10:15	38	44			82		22:15	7	20			27	
10:30	44	27			71		22:30	19	15			34	
10:45	41	153	39	144	80	297	22:45	11	50	14	67	25	117
11:00	41	40			81		23:00	5	9			14	
11:15	41	61			102		23:15	13	9			22	
11:30	66	42			108		23:30	12	13			25	
11:45	71	219	32	175	103	394	23:45	4	34	8	39	12	73
TOTALS	751	862			1613		TOTALS	2519	1432			3951	
SPLIT %	46.6%	53.4%			29.0%		SPLIT %	63.8%	36.2%			71.0%	

DAILY TOTALS			NB	SB	EB			WB	Total		
			3,270	2,294				0			
AM Peak Hour	11:30	10:45			11:15	PM Peak Hour	18:00	17:15			
AM Pk Volume	261	182			423	PM Pk Volume	319	183			486
Pk Hr Factor	0.919	0.746			0.961	Pk Hr Factor	0.876	0.880			0.927
7 - 9 Volume	188	233	0	0	421	4 - 6 Volume	601	317	0	0	918
7 - 9 Peak Hour	07:45	08:00			08:00	4 - 6 Peak Hour	16:30	17:00			16:45
7 - 9 Pk Volume	101	140	0	0	234	4 - 6 Pk Volume	311	175	0	0	473
Pk Hr Factor	0.765	0.875	0.000	0.000	0.900	Pk Hr Factor	0.894	0.841	0.000	0.000	0.903

VOLUME

Shellmound St S/O 65th St

Day: Thursday
Date: 11/9/2017City: Emeryville
Project #: CA17_7944_002

DAILY TOTALS					NB	SB						EB	WB	Total	
					3,435	2,336						0	0	5,771	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	9	3			12		12:00	41	37			78			
00:15	6	11			17		12:15	69	44			113			
00:30	1	3			4		12:30	75	44			119			
00:45	3	19	5	22	8	41	12:45	66	251	46	171	112	422		
01:00	2	4			6		13:00	71	38			109			
01:15	1	1			2		13:15	67	38			105			
01:30	1	3			4		13:30	76	46			122			
01:45	2	6	4	12	6	18	13:45	71	285	39	161	110	446		
02:00	2	5			7		14:00	75	29			104			
02:15	1	3			4		14:15	82	39			121			
02:30	2	5			7		14:30	66	34			100			
02:45	0	5	0	13	0	18	14:45	85	308	33	135	118	443		
03:00	1	1			2		15:00	62	25			87			
03:15	2	0			2		15:15	58	32			90			
03:30	3	1			4		15:30	74	37			111			
03:45	3	9	5	7	8	16	15:45	54	248	32	126	86	374		
04:00	0	2			2		16:00	67	38			105			
04:15	0	4			4		16:15	77	32			109			
04:30	2	7			9		16:30	81	48			129			
04:45	0	2	9	22	9	24	16:45	69	294	31	149	100	443		
05:00	5	6			11		17:00	84	45			129			
05:15	4	10			14		17:15	79	40			119			
05:30	8	14			22		17:30	82	45			127			
05:45	3	20	9	39	12	59	17:45	83	328	41	171	124	499		
06:00	4	18			22		18:00	91	44			135			
06:15	7	25			32		18:15	78	28			106			
06:30	17	19			36		18:30	69	38			107			
06:45	7	35	30	92	37	127	18:45	83	321	43	153	126	474		
07:00	18	36			54		19:00	61	33			94			
07:15	21	13			34		19:15	67	38			105			
07:30	24	26			50		19:30	56	37			93			
07:45	25	88	28	103	53	191	19:45	54	238	27	135	81	373		
08:00	24	24			48		20:00	59	38			97			
08:15	26	24			50		20:15	43	23			66			
08:30	29	44			73		20:30	42	26			68			
08:45	23	102	31	123	54	225	20:45	40	184	18	105	58	289		
09:00	16	36			52		21:00	56	22			78			
09:15	25	21			46		21:15	46	18			64			
09:30	25	21			46		21:30	33	23			56			
09:45	30	96	41	119	71	215	21:45	26	161	23	86	49	247		
10:00	31	28			59		22:00	15	19			34			
10:15	28	35			63		22:15	11	13			24			
10:30	40	42			82		22:30	18	15			33			
10:45	34	133	38	143	72	276	22:45	12	56	16	63	28	119		
11:00	37	42			79		23:00	10	10			20			
11:15	45	24			69		23:15	8	14			22			
11:30	61	41			102		23:30	4	5			9			
11:45	75	218	42	149	117	367	23:45	6	28	8	37	14	65		
TOTALS	733	844			1577		TOTALS	2702	1492			4194			
SPLIT %	46.5%	53.5%			27.3%		SPLIT %	64.4%	35.6%			72.7%			

DAILY TOTALS			NB	SB				EB	WB				Total
			3,435	2,336				0	0				5,771
AM Peak Hour	11:45	11:45				11:45	PM Peak Hour	17:15	12:15				17:15
AM Pk Volume	260	167				427	PM Pk Volume	335	172				505
Pk Hr Factor	0.867	0.949				0.897	Pk Hr Factor	0.920	0.935				0.935
7 - 9 Volume	190	226	0	0	416		4 - 6 Volume	622	320	0	0	942	
7 - 9 Peak Hour	07:45	08:00				08:00	4 - 6 Peak Hour	17:00	17:00				17:00
7 - 9 Pk Volume	104	123	0	0	225		4 - 6 Pk Volume	328	171	0	0	499	
Pk Hr Factor	0.897	0.699	0.000	0.000	0.771		Pk Hr Factor	0.976	0.950	0.000	0.000	0.967	

VOLUME

Shellmound St S/O 65th St

Day: Friday

Date: 11/10/2017

City: Emeryville

Project #: CA17_7944_002

DAILY TOTALS					NB	SB	EB					WB	Total
					4,572	2,760						0	0
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	12	9			21		12:00	66	60			126	
00:15	5	8			13		12:15	77	52			129	
00:30	7	8			15		12:30	85	71			156	
00:45	4	28	10	35	14	63	12:45	94	322	52	235	146	557
01:00	3	4			7		13:00	90	52			142	
01:15	2	3			5		13:15	98	60			158	
01:30	2	2			4		13:30	110	59			169	
01:45	1	8	3	12	4	20	13:45	98	396	46	217	144	613
02:00	2	2			4		14:00	95	60			155	
02:15	1	0			1		14:15	99	58			157	
02:30	2	3			5		14:30	113	56			169	
02:45	1	6	3	8	4	14	14:45	109	416	43	217	152	633
03:00	1	2			3		15:00	125	34			159	
03:15	3	1			4		15:15	102	49			151	
03:30	1	2			3		15:30	94	42			136	
03:45	3	8	1	6	4	14	15:45	103	424	41	166	144	590
04:00	2	4			6		16:00	85	32			117	
04:15	2	4			6		16:15	104	46			150	
04:30	1	3			4		16:30	93	41			134	
04:45	2	7	4	15	6	22	16:45	110	392	37	156	147	548
05:00	3	8			11		17:00	106	32			138	
05:15	3	8			11		17:15	103	43			146	
05:30	9	10			19		17:30	105	42			147	
05:45	8	23	17	43	25	66	17:45	93	407	48	165	141	572
06:00	5	11			16		18:00	86	65			151	
06:15	11	18			29		18:15	81	38			119	
06:30	10	17			27		18:30	97	44			141	
06:45	12	38	37	83	49	121	18:45	98	362	50	197	148	559
07:00	14	13			27		19:00	63	43			106	
07:15	22	20			42		19:15	62	42			104	
07:30	26	15			41		19:30	61	37			98	
07:45	29	91	17	65	46	156	19:45	57	243	32	154	89	397
08:00	15	19			34		20:00	61	35			96	
08:15	29	31			60		20:15	76	33			109	
08:30	26	21			47		20:30	58	34			92	
08:45	30	100	35	106	65	206	20:45	71	266	28	130	99	396
09:00	32	25			57		21:00	69	27			96	
09:15	30	23			53		21:15	67	26			93	
09:30	27	34			61		21:30	71	28			99	
09:45	34	123	38	120	72	243	21:45	45	252	34	115	79	367
10:00	33	40			73		22:00	25	22			47	
10:15	55	42			97		22:15	26	18			44	
10:30	52	44			96		22:30	20	14			34	
10:45	52	192	48	174	100	366	22:45	30	101	16	70	46	171
11:00	51	42			93		23:00	41	14			55	
11:15	58	35			93		23:15	24	20			44	
11:30	88	51			139		23:30	14	25			39	
11:45	80	277	56	184	136	461	23:45	11	90	28	87	39	177
TOTALS	901	851			1752		TOTALS	3671	1909			5580	
SPLIT %	51.4%	48.6%			23.9%		SPLIT %	65.8%	34.2%			76.1%	

DAILY TOTALS					NB	SB					EB	WB	Total	
					4,572	2,760					0	0	7,332	
AM Peak Hour	11:30	11:45		11:45			PM Peak Hour	14:30	12:00			14:15		
AM Pk Volume	311	239		547			PM Pk Volume	449	235			637		
Pk Hr Factor	0.884	0.842		0.877			Pk Hr Factor	0.898	0.827			0.942		
7 - 9 Volume	191	171	0	0	362		4 - 6 Volume	799	321	0	0	1120		
7 - 9 Peak Hour	08:00	08:00		08:00			4 - 6 Peak Hour	16:45	17:00			16:45		
7 - 9 Pk Volume	100	106	0	0	206		4 - 6 Pk Volume	424	165	0	0	578		
Pk Hr Factor	0.833	0.757	0.000	0.000	0.792		Pk Hr Factor	0.964	0.859	0.000	0.000	0.983		

VOLUME

Shellmound St S/O 65th St

Day: Saturday
Date: 11/11/2017City: Emeryville
Project #: CA17_7944_002

DAILY TOTALS					NB	SB	EB					WB	Total	
					4,550	2,772						0		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	11	15			26		12:00	92	50			142		
00:15	23	12			35		12:15	90	51			141		
00:30	6	9			15		12:30	82	41			123		
00:45	9	49	10	46	19	95	12:45	106	370	55	197	161	567	
01:00	5	3			8		13:00	97	68			165		
01:15	8	6			14		13:15	96	40			136		
01:30	5	8			13		13:30	93	68			161		
01:45	2	20	6	23	8	43	13:45	94	380	56	232	150	612	
02:00	7	10			17		14:00	102	51			153		
02:15	5	7			12		14:15	99	60			159		
02:30	2	8			10		14:30	83	60			143		
02:45	1	15	5	30	6	45	14:45	95	379	65	236	160	615	
03:00	1	3			4		15:00	95	59			154		
03:15	0	8			8		15:15	115	55			170		
03:30	0	5			5		15:30	112	45			157		
03:45	1	2	1	17	2	19	15:45	103	425	57	216	160	641	
04:00	2	5			7		16:00	113	51			164		
04:15	3	7			10		16:15	96	47			143		
04:30	1	7			8		16:30	119	53			172		
04:45	5	11	5	24	10	35	16:45	90	418	60	211	150	629	
05:00	5	5			10		17:00	103	44			147		
05:15	2	6			8		17:15	118	52			170		
05:30	0	2			2		17:30	95	56			151		
05:45	3	10	7	20	10	30	17:45	93	409	53	205	146	614	
06:00	4	5			9		18:00	74	49			123		
06:15	6	8			14		18:15	91	50			141		
06:30	2	10			12		18:30	82	68			150		
06:45	4	16	7	30	11	46	18:45	74	321	48	215	122	536	
07:00	10	6			16		19:00	70	46			116		
07:15	9	7			16		19:15	69	40			109		
07:30	8	9			17		19:30	58	29			87		
07:45	9	36	16	38	25	74	19:45	63	260	29	144	92	404	
08:00	12	18			30		20:00	62	40			102		
08:15	20	14			34		20:15	89	31			120		
08:30	24	16			40		20:30	63	25			88		
08:45	14	70	16	64	30	134	20:45	61	275	27	123	88	398	
09:00	29	22			51		21:00	71	33			104		
09:15	37	35			72		21:15	37	14			51		
09:30	32	29			61		21:30	58	20			78		
09:45	35	133	40	126	75	259	21:45	69	235	15	82	84	317	
10:00	33	36			69		22:00	40	17			57		
10:15	47	36			83		22:15	37	17			54		
10:30	57	41			98		22:30	25	17			42		
10:45	67	204	59	172	126	376	22:45	16	118	19	70	35	188	
11:00	75	51			126		23:00	30	10			40		
11:15	76	46			122		23:15	27	18			45		
11:30	84	59			143		23:30	16	8			24		
11:45	76	311	40	196	116	507	23:45	10	83	19	55	29	138	
TOTALS	877	786			1663		TOTALS	3673	1986			5659		
SPLIT %	52.7%	47.3%			22.7%		SPLIT %	64.9%	35.1%			77.3%		

DAILY TOTALS				NB	SB	EB				WB	Total			
				4,550	2,772					0				
AM Peak Hour	11:30	10:45			11:30		PM Peak Hour	15:15	14:15			15:15		
AM Pk Volume	342	215			542		PM Pk Volume	443	244			651		
Pk Hr Factor	0.929	0.911			0.948		Pk Hr Factor	0.963	0.938			0.957		
7 - 9 Volume	106	102	0	0	208		4 - 6 Volume	827	416	0	0	1243		
7 - 9 Peak Hour	08:00	07:45			08:00		4 - 6 Peak Hour	16:30	16:45			16:30		
7 - 9 Pk Volume	70	64	0	0	134		4 - 6 Pk Volume	430	212	0	0	639		
Pk Hr Factor	0.729	0.889	0.000	0.000	0.838		Pk Hr Factor	0.903	0.883	0.000	0.000	0.929		

VOLUME

Shellmound St S/O 65th St

Day: Sunday

Date: 11/12/2017

City: Emeryville

Project #: CA17_7944_002

DAILY TOTALS					NB	SB	EB					WB	Total
					4,203	2,291						0	0
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	21	13			34		12:00	111	39			150	
00:15	21	7			28		12:15	104	45			149	
00:30	6	8			14		12:30	109	45			154	
00:45	15	63	8	36	23	99	12:45	114	438	48	177	162	615
01:00	3	5			8		13:00	110	49			159	
01:15	4	6			10		13:15	108	35			143	
01:30	7	8			15		13:30	100	36			136	
01:45	4	18	12	31	16	49	13:45	84	402	44	164	128	566
02:00	3	3			6		14:00	119	51			170	
02:15	7	5			12		14:15	91	50			141	
02:30	3	6			9		14:30	83	52			135	
02:45	3	16	5	19	8	35	14:45	88	381	63	216	151	597
03:00	3	1			4		15:00	64	58			122	
03:15	3	5			8		15:15	98	50			148	
03:30	3	6			9		15:30	91	55			146	
03:45	1	10	2	14	3	24	15:45	114	367	53	216	167	583
04:00	3	3			6		16:00	110	50			160	
04:15	3	5			8		16:15	88	37			125	
04:30	0	1			1		16:30	94	52			146	
04:45	1	7	2	11	3	18	16:45	99	391	38	177	137	568
05:00	3	4			7		17:00	108	51			159	
05:15	0	3			3		17:15	99	47			146	
05:30	2	1			3		17:30	83	35			118	
05:45	1	6	3	11	4	17	17:45	87	377	51	184	138	561
06:00	3	0			3		18:00	93	51			144	
06:15	2	4			6		18:15	79	52			131	
06:30	1	5			6		18:30	67	36			103	
06:45	1	7	4	13	5	20	18:45	64	303	40	179	104	482
07:00	8	6			14		19:00	51	30			81	
07:15	6	3			9		19:15	61	34			95	
07:30	9	7			16		19:30	44	32			76	
07:45	14	37	13	29	27	66	19:45	44	200	25	121	69	321
08:00	14	12			26		20:00	47	17			64	
08:15	12	13			25		20:15	32	17			49	
08:30	15	18			33		20:30	25	26			51	
08:45	22	63	19	62	41	125	20:45	33	137	23	83	56	220
09:00	19	23			42		21:00	34	14			48	
09:15	33	33			66		21:15	47	12			59	
09:30	40	22			62		21:30	15	6			21	
09:45	39	131	29	107	68	238	21:45	13	109	25	57	38	166
10:00	55	31			86		22:00	28	18			46	
10:15	60	32			92		22:15	13	5			18	
10:30	93	30			123		22:30	7	10			17	
10:45	64	272	40	133	104	405	22:45	25	73	9	42	34	115
11:00	84	42			126		23:00	15	9			24	
11:15	86	55			141		23:15	7	6			13	
11:30	95	34			129		23:30	6	11			17	
11:45	95	360	45	176	140	536	23:45	7	35	7	33	14	68
TOTALS	990	642			1632		TOTALS	3213	1649			4862	
SPLIT %	60.7%	39.3%			25.1%		SPLIT %	66.1%	33.9%			74.9%	

DAILY TOTALS				NB	SB	EB				WB	Total	
				4,203	2,291					0		
AM Peak Hour	11:45	11:00			11:45	PM Peak Hour	12:30	14:45			12:15	
AM Pk Volume	419	176			593	PM Pk Volume	441	226			624	
Pk Hr Factor	0.944	0.800			0.963	Pk Hr Factor	0.967	0.897			0.963	
7 - 9 Volume	100	91	0	0	191	4 - 6 Volume	768	361	0	0	1129	
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:30	16:30			16:30	
7 - 9 Pk Volume	63	62	0	0	125	4 - 6 Pk Volume	400	188	0	0	588	
Pk Hr Factor	0.716	0.816	0.000	0.000	0.762	Pk Hr Factor	0.926	0.904	0.000	0.000	0.925	

VOLUME

Shellmound St S/O 65th St

Day: Monday
Date: 11/13/2017City: Emeryville
Project #: CA17_7944_002

DAILY TOTALS					NB	SB	EB					WB	Total	
					3,124	2,151						0		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	7	5			12		12:00	60	36			96		
00:15	6	10			16		12:15	54	56			110		
00:30	4	4			8		12:30	60	47			107		
00:45	7	24	2	21	9	45	12:45	72	246	40	179	112	425	
01:00	1	2			3		13:00	66	40			106		
01:15	0	3			3		13:15	72	38			110		
01:30	2	8			10		13:30	67	31			98		
01:45	2	5	5	18	7	23	13:45	61	266	31	140	92	406	
02:00	5	3			8		14:00	84	40			124		
02:15	3	1			4		14:15	84	31			115		
02:30	1	4			5		14:30	84	44			128		
02:45	0	9	0	8	0	17	14:45	62	314	32	147	94	461	
03:00	0	2			2		15:00	86	30			116		
03:15	1	0			1		15:15	56	29			85		
03:30	3	1			4		15:30	56	33			89		
03:45	2	6	3	6	5	12	15:45	60	258	37	129	97	387	
04:00	3	5			8		16:00	68	28			96		
04:15	1	2			3		16:15	70	24			94		
04:30	0	3			3		16:30	60	31			91		
04:45	4	8	7	17	11	25	16:45	69	267	35	118	104	385	
05:00	2	1			3		17:00	69	41			110		
05:15	4	4			8		17:15	74	43			117		
05:30	2	8			10		17:30	81	35			116		
05:45	4	12	9	22	13	34	17:45	69	293	41	160	110	453	
06:00	2	19			21		18:00	73	33			106		
06:15	8	20			28		18:15	66	39			105		
06:30	6	27			33		18:30	53	34			87		
06:45	16	32	27	93	43	125	18:45	66	258	36	142	102	400	
07:00	21	20			41		19:00	41	28			69		
07:15	23	30			53		19:15	38	30			68		
07:30	19	14			33		19:30	43	27			70		
07:45	23	86	25	89	48	175	19:45	35	157	24	109	59	266	
08:00	30	28			58		20:00	31	17			48		
08:15	26	30			56		20:15	36	26			62		
08:30	25	29			54		20:30	28	24			52		
08:45	32	113	29	116	61	229	20:45	31	126	18	85	49	211	
09:00	29	27			56		21:00	38	18			56		
09:15	32	29			61		21:15	21	16			37		
09:30	25	32			57		21:30	17	12			29		
09:45	29	115	16	104	45	219	21:45	21	97	19	65	40	162	
10:00	35	54			89		22:00	11	19			30		
10:15	41	37			78		22:15	10	6			16		
10:30	53	29			82		22:30	12	7			19		
10:45	36	165	39	159	75	324	22:45	9	42	11	43	20	85	
11:00	46	21			67		23:00	8	8			16		
11:15	48	39			87		23:15	10	17			27		
11:30	47	41			88		23:30	5	13			18		
11:45	57	198	37	138	94	336	23:45	4	27	5	43	9	70	
TOTALS	773	791			1564		TOTALS	2351	1360			3711		
SPLIT %	49.4%	50.6%			29.6%		SPLIT %	63.4%	36.6%			70.4%		

DAILY TOTALS			NB	SB				EB	WB	Total		
			3,124	2,151				0	0			
AM Peak Hour	11:45	11:45			11:45		PM Peak Hour	14:15	12:15			14:00
AM Pk Volume	231	176			407		PM Pk Volume	316	183			461
Pk Hr Factor	0.963	0.786			0.925		Pk Hr Factor	0.919	0.817			0.900
7 - 9 Volume	199	205	0	0	404		4 - 6 Volume	560	278	0	0	838
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	113	116	0	0	229		4 - 6 Pk Volume	293	160	0	0	453
Pk Hr Factor	0.883	0.967	0.000	0.000	0.939		Pk Hr Factor	0.904	0.930	0.000	0.000	0.968

VOLUME

Shellmound St S/O 65th St

Day: Tuesday
Date: 11/14/2017City: Emeryville
Project #: CA17_7944_002

DAILY TOTALS					NB	SB	EB					WB	Total	
					3,408	2,388						0		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	5	5			10	12:00	60	37			97			
00:15	4	5			9	12:15	51	50			101			
00:30	5	1			6	12:30	53	44			97			
00:45	2	16	2	13	4	12:45	80	244	36	167	116	411		
01:00	4	3			7	13:00	58	29			87			
01:15	4	1			5	13:15	69	44			113			
01:30	2	1			3	13:30	75	31			106			
01:45	0	10	4	9	4	13:45	55	257	37	141	92	398		
02:00	1	2			3	14:00	60	41			101			
02:15	1	3			4	14:15	69	48			117			
02:30	0	1			1	14:30	74	36			110			
02:45	3	5	6	12	9	14:45	81	284	21	146	102	430		
03:00	0	2			2	15:00	76	31			107			
03:15	0	1			1	15:15	56	18			74			
03:30	2	0			2	15:30	75	26			101			
03:45	1	3	3	6	4	15:45	66	273	40	115	106	388		
04:00	3	1			4	16:00	71	25			96			
04:15	2	2			4	16:15	79	28			107			
04:30	1	3			4	16:30	70	37			107			
04:45	0	6	8	14	8	16:45	61	281	46	136	107	417		
05:00	5	8			13	17:00	81	46			127			
05:15	4	14			18	17:15	104	60			164			
05:30	9	11			20	17:30	89	50			139			
05:45	5	23	18	51	23	17:45	74	348	44	200	118	548		
06:00	14	16			30	18:00	73	41			114			
06:15	10	29			39	18:15	62	38			100			
06:30	9	32			41	18:30	69	39			108			
06:45	13	46	30	107	43	18:45	68	272	39	157	107	429		
07:00	27	35			62	19:00	68	34			102			
07:15	27	23			50	19:15	55	34			89			
07:30	22	27			49	19:30	50	33			83			
07:45	32	108	27	112	59	19:45	66	239	26	127	92	366		
08:00	51	29			80	20:00	58	27			85			
08:15	26	38			64	20:15	39	30			69			
08:30	31	34			65	20:30	52	22			74			
08:45	43	151	46	147	89	20:45	48	197	14	93	62	290		
09:00	24	46			70	21:00	41	30			71			
09:15	30	39			69	21:15	22	15			37			
09:30	32	35			67	21:30	28	19			47			
09:45	33	119	42	162	75	21:45	17	108	22	86	39	194		
10:00	37	33			70	22:00	20	13			33			
10:15	28	40			68	22:15	22	16			38			
10:30	39	36			75	22:30	10	18			28			
10:45	41	145	43	152	84	22:45	6	58	13	60	19	118		
11:00	44	41			85	23:00	7	13			20			
11:15	49	44			93	23:15	12	8			20			
11:30	26	19			45	23:30	8	5			13			
11:45	61	180	36	140	97	23:45	8	35	9	35	17	70		
TOTALS	812	925			1737	TOTALS	2596	1463			4059			
SPLIT %	46.7%	53.3%			30.0%	SPLIT %	64.0%	36.0%			70.0%			

DAILY TOTALS			NB	SB				EB	WB	Total		
			3,408	2,388				0	0			
AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	17:00	16:45			17:00	
AM Pk Volume	225	167			392	PM Pk Volume	348	202			548	
Pk Hr Factor	0.922	0.835			0.970	Pk Hr Factor	0.837	0.842			0.835	
7 - 9 Volume	259	259	0	0	518	4 - 6 Volume	629	336	0	0	965	
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	17:00	16:45			17:00	
7 - 9 Pk Volume	151	147	0	0	298	4 - 6 Pk Volume	348	202	0	0	548	
Pk Hr Factor	0.740	0.799	0.000	0.000	0.837	Pk Hr Factor	0.837	0.842	0.000	0.000	0.835	

VOLUME

65th St W/O Shellmound St

Day: Wednesday

Date: 11/8/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	1,529					2,248	3,777
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			3	1	4		12:00			28	39	67	
00:15			2	2	4		12:15			20	28	48	
00:30			2	8	10		12:30			31	41	72	
00:45			2	9	3	14	12:45			18	97	32	140
					5	23						50	237
01:00			3	2	5		13:00			36	39	75	
01:15			1	3	4		13:15			25	36	61	
01:30			0	4	4		13:30			20	42	62	
01:45			0	4	2	11	13:45			20	101	34	151
					2	15						54	252
02:00			1	2	3		14:00			20	27	47	
02:15			2	1	3		14:15			22	28	50	
02:30			4	1	5		14:30			22	24	46	
02:45			2	9	2	6	14:45			20	84	26	105
					4	15						46	189
03:00			0	0	0		15:00			29	30	59	
03:15			0	2	2		15:15			23	26	49	
03:30			1	3	4		15:30			43	23	66	
03:45			0	1	2	7	15:45			39	134	22	101
					2	8						61	235
04:00			1	0	1		16:00			45	26	71	
04:15			2	2	4		16:15			38	36	74	
04:30			2	1	3		16:30			41	31	72	
04:45			1	6	2	5	16:45			51	175	21	114
					3	11						72	289
05:00			1	3	4		17:00			47	28	75	
05:15			2	5	7		17:15			39	29	68	
05:30			2	11	13		17:30			45	36	81	
05:45			2	7	8	27	17:45			40	171	46	139
					10	34						86	310
06:00			5	13	18		18:00			33	36	69	
06:15			7	29	36		18:15			42	28	70	
06:30			9	25	34		18:30			25	28	53	
06:45			8	29	34	101	18:45			25	125	27	119
					42	130						52	244
07:00			7	52	59		19:00			27	21	48	
07:15			19	57	76		19:15			14	21	35	
07:30			16	68	84		19:30			21	24	45	
07:45			23	65	69	246	19:45			12	74	11	77
					92	311						23	151
08:00			16	71	87		20:00			12	24	36	
08:15			21	56	77		20:15			13	21	34	
08:30			18	54	72		20:30			2	18	20	
08:45			25	80	64	245	20:45			8	35	13	76
					89	325						21	111
09:00			14	38	52		21:00			19	15	34	
09:15			25	60	85		21:15			7	16	23	
09:30			18	33	51		21:30			9	12	21	
09:45			16	73	39	170	21:45			10	45	13	56
					55	243						23	101
10:00			15	48	63		22:00			8	8	16	
10:15			22	38	60		22:15			10	19	29	
10:30			11	31	42		22:30			4	5	9	
10:45			14	62	28	145	22:45			3	25	12	44
					42	207						15	69
11:00			21	21	42		23:00			7	4	11	
11:15			21	28	49		23:15			6	6	12	
11:30			27	37	64		23:30			6	5	11	
11:45			27	96	39	125	23:45			3	22	9	24
					66	221						12	46
TOTALS			441	1102	1543		TOTALS			1088	1146	2234	
SPLIT %			28.6%	71.4%	40.9%		SPLIT %			48.7%	51.3%	59.1%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,529	2,248						3,777
AM Peak Hour			11:45	07:15	07:30		PM Peak Hour			16:45	13:00	17:00							
AM Pk Volume			106	265	340		PM Pk Volume			182	151	310							
Pk Hr Factor			0.855	0.933	0.924		Pk Hr Factor			0.892	0.899	0.901							
7 - 9 Volume	0	0	145	491	636		4 - 6 Volume	0	0	346	253	599							
7 - 9 Peak Hour			08:00	07:15	07:30		4 - 6 Peak Hour			16:45	17:00	17:00							
7 - 9 Pk Volume	0	0	80	265	340		4 - 6 Pk Volume	0	0	182	139	310							
Pk Hr Factor	0.000	0.000	0.800	0.933	0.924		Pk Hr Factor	0.000	0.000	0.892	0.755	0.901							

VOLUME

65th St W/O Shellmound St

Day: Thursday
Date: 11/9/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	1,683					2,261	3,944
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			7	4	11		12:00			24	35	59	
00:15			2	6	8		12:15			28	40	68	
00:30			1	5	6		12:30			25	31	56	
00:45			2	12	4	19	12:45			34	111	23	129
01:00			1	0	1		13:00			33	25	58	
01:15			4	1	5		13:15			28	38	66	
01:30			0	2	2		13:30			19	33	52	
01:45			0	5	3	6	13:45			27	107	26	122
02:00			2	1	3		14:00			22	24	46	
02:15			0	2	2		14:15			29	31	60	
02:30			1	0	1		14:30			26	33	59	
02:45			1	4	1	4	14:45			23	100	28	116
03:00			0	2	2		15:00			43	24	67	
03:15			0	1	1		15:15			36	30	66	
03:30			1	5	6		15:30			40	16	56	
03:45			1	2	0	8	15:45			47	166	22	92
04:00			3	2	5		16:00			46	42	88	
04:15			1	0	1		16:15			49	31	80	
04:30			0	1	1		16:30			48	36	84	
04:45			5	9	3	6	16:45			29	172	31	140
05:00			0	1	1		17:00			57	42	99	
05:15			2	10	12		17:15			53	31	84	
05:30			4	7	11		17:30			33	43	76	
05:45			0	6	13	31	17:45			37	180	31	147
06:00			5	13	18		18:00			30	48	78	
06:15			7	20	27		18:15			49	43	92	
06:30			8	25	33		18:30			26	27	53	
06:45			10	30	39	97	18:45			41	146	18	136
07:00			14	50	64		19:00			29	16	45	
07:15			14	61	75		19:15			34	22	56	
07:30			15	54	69		19:30			30	24	54	
07:45			20	63	67	232	19:45			21	114	20	82
08:00			15	76	91		20:00			19	23	42	
08:15			19	53	72		20:15			6	16	22	
08:30			17	53	70		20:30			13	26	39	
08:45			29	80	62	244	20:45			10	48	17	82
09:00			17	58	75		21:00			11	20	31	
09:15			23	55	78		21:15			13	13	26	
09:30			20	42	62		21:30			9	13	22	
09:45			15	75	54	209	21:45			12	45	15	61
10:00			19	40	59		22:00			4	17	21	
10:15			19	27	46		22:15			2	10	12	
10:30			21	23	44		22:30			3	10	13	
10:45			12	71	29	119	22:45			8	17	7	44
11:00			26	23	49		23:00			6	4	10	
11:15			21	21	42		23:15			3	9	12	
11:30			27	32	59		23:30			3	10	13	
11:45			31	105	27	103	23:45			3	15	9	32
TOTALS			462	1078	1540		TOTALS			1221	1183	2404	
SPLIT %			30.0%	70.0%	39.0%		SPLIT %			50.8%	49.2%	61.0%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,683	2,261						3,944
AM Peak Hour			11:30	07:15	08:00		PM Peak Hour			15:45	17:30	16:30							
AM Pk Volume			110	258	324		PM Pk Volume			190	165	327							
Pk Hr Factor			0.887	0.849	0.890		Pk Hr Factor			0.969	0.859	0.826							
7 - 9 Volume	0	0	143	476	619		4 - 6 Volume	0	0	352	287	639							
7 - 9 Peak Hour			08:00	07:15	08:00		4 - 6 Peak Hour			16:30	16:45	16:30							
7 - 9 Pk Volume	0	0	80	258	324		4 - 6 Pk Volume	0	0	187	147	327							
Pk Hr Factor	0.000	0.000	0.690	0.849	0.890		Pk Hr Factor	0.000	0.000	0.820	0.855	0.826							

VOLUME

65th St W/O Shellmound St

Day: Friday

Date: 11/10/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0						1,541	1,961
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			1	7	8		12:00			34	29	63	
00:15			6	7	13		12:15			45	25	70	
00:30			2	4	6		12:30			37	35	72	
00:45			0	9	4	22	12:45			33	149	31	120
					4	31						64	269
01:00			2	1	3		13:00			21	31	52	
01:15			1	5	6		13:15			42	45	87	
01:30			1	3	4		13:30			20	28	48	
01:45			2	6	3	16	13:45			29	112	31	135
					3	16						60	247
02:00			0	1	1		14:00			28	30	58	
02:15			0	2	2		14:15			30	25	55	
02:30			1	1	2		14:30			34	25	59	
02:45			0	1	2	7	14:45			29	121	20	100
					2	7						49	221
03:00			1	2	3		15:00			36	18	54	
03:15			0	2	2		15:15			40	30	70	
03:30			0	1	1		15:30			41	24	65	
03:45			2	3	2	8	15:45			44	161	34	106
					2	8						78	267
04:00			0	1	1		16:00			33	28	61	
04:15			0	2	2		16:15			39	38	77	
04:30			1	0	1		16:30			34	24	58	
04:45			1	2	2	6	16:45			29	135	17	107
					2	6						46	242
05:00			0	6	6		17:00			38	32	70	
05:15			2	2	4		17:15			35	31	66	
05:30			4	4	8		17:30			35	43	78	
05:45			3	9	17	35	17:45			21	129	32	138
					17	35						53	267
06:00			3	7	10		18:00			30	30	60	
06:15			6	19	25		18:15			20	17	37	
06:30			5	17	22		18:30			0	0	0	
06:45			8	22	44	101	18:45			11	61	7	54
					44	101						18	115
07:00			10	29	39		19:00			17	29	46	
07:15			12	32	44		19:15			25	25	50	
07:30			11	45	56		19:30			14	20	34	
07:45			11	44	61	200	19:45			12	68	19	93
					61	200						31	161
08:00			14	52	66		20:00			18	20	38	
08:15			21	40	61		20:15			12	23	35	
08:30			15	32	47		20:30			13	20	33	
08:45			16	66	54	228	20:45			8	51	16	79
					54	228						24	130
09:00			19	37	56		21:00			13	25	38	
09:15			16	44	60		21:15			12	17	29	
09:30			16	25	41		21:30			12	16	28	
09:45			19	70	49	206	21:45			11	48	15	73
					49	206						26	121
10:00			23	37	60		22:00			14	16	30	
10:15			18	38	56		22:15			10	11	21	
10:30			23	37	60		22:30			6	17	23	
10:45			22	86	45	221	22:45			8	38	9	53
					45	221						17	91
11:00			17	16	33		23:00			12	21	33	
11:15			31	26	57		23:15			8	13	21	
11:30			35	27	62		23:30			6	14	20	
11:45			34	117	72	224	23:45			7	33	7	55
					72	224						14	88
TOTALS			435	848	1283		TOTALS			1106	1113	2219	
SPLIT %			33.9%	66.1%	36.6%		SPLIT %			49.8%	50.2%	63.4%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,541	1,961						3,502
AM Peak Hour			11:45	07:30	11:45		PM Peak Hour			15:00	12:30	15:30							
AM Pk Volume			150	187	277		PM Pk Volume			161	142	281							
Pk Hr Factor			0.833	0.899	0.962		Pk Hr Factor			0.915	0.789	0.901							
7 - 9 Volume	0	0	110	318	428		4 - 6 Volume	0	0	264	245	509							
7 - 9 Peak Hour			08:00	07:30	07:30		4 - 6 Peak Hour			16:15	17:00	17:00							
7 - 9 Pk Volume	0	0	66	187	244		4 - 6 Pk Volume	0	0	140	138	267							
Pk Hr Factor	0.000	0.000	0.786	0.899	0.924		Pk Hr Factor	0.000	0.000	0.897	0.802	0.856							

VOLUME

65th St W/O Shellmound St

Day: Saturday
Date: 11/11/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total		
					0	0						1,279			1,485
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00			5	9	14		12:00			32	29	61			
00:15			7	7	14		12:15			24	23	47			
00:30			3	5	8		12:30			28	30	58			
00:45			4	19	4	25	12:45			29	113	28	110	57	223
01:00			1	4	5		13:00			25	26	51			
01:15			3	4	7		13:15			24	24	48			
01:30			3	4	7		13:30			30	34	64			
01:45			0	7	3	15	13:45			22	101	29	113	51	214
02:00			0	6	6		14:00			20	29	49			
02:15			1	3	4		14:15			23	24	47			
02:30			1	8	9		14:30			29	24	53			
02:45			1	3	4	21	14:45			34	106	29	106	63	212
03:00			2	4	6		15:00			38	27	65			
03:15			1	3	4		15:15			28	30	58			
03:30			1	2	3		15:30			41	28	69			
03:45			0	4	1	10	15:45			25	132	32	117	57	249
04:00			0	1	1		16:00			32	30	62			
04:15			1	2	3		16:15			25	23	48			
04:30			0	0	0		16:30			23	17	40			
04:45			0	1	1	4	16:45			24	104	24	94	48	198
05:00			3	5	8		17:00			40	20	60			
05:15			1	6	7		17:15			18	32	50			
05:30			0	1	1		17:30			20	25	45			
05:45			0	4	5	17	17:45			18	96	19	96	37	192
06:00			4	0	4		18:00			17	22	39			
06:15			1	5	6		18:15			17	25	42			
06:30			5	6	11		18:30			16	18	34			
06:45			3	13	6	17	18:45			14	64	23	88	37	152
07:00			4	7	11		19:00			16	28	44			
07:15			4	7	11		19:15			14	34	48			
07:30			7	3	10		19:30			15	24	39			
07:45			13	28	9	26	19:45			11	56	18	104	29	160
08:00			9	10	19		20:00			6	16	22			
08:15			9	12	21		20:15			15	16	31			
08:30			10	11	21		20:30			13	10	23			
08:45			14	42	15	48	20:45			7	41	13	55	20	96
09:00			13	16	29		21:00			8	13	21			
09:15			13	13	26		21:15			11	14	25			
09:30			9	20	29		21:30			7	14	21			
09:45			15	50	25	74	21:45			5	31	16	57	21	88
10:00			17	22	39		22:00			7	13	20			
10:15			22	19	41		22:15			5	16	21			
10:30			23	28	51		22:30			5	9	14			
10:45			35	97	26	95	22:45			7	24	8	46	15	70
11:00			27	21	48		23:00			4	7	11			
11:15			25	22	47		23:15			14	10	24			
11:30			32	31	63		23:30			3	11	14			
11:45			30	114	35	109	23:45			8	29	10	38	18	67
TOTALS			382	461	843		TOTALS			897	1024	1921			
SPLIT %			45.3%	54.7%	30.5%		SPLIT %			46.7%	53.3%	69.5%			

DAILY TOTALS					NB	SB	EB					WB	Total				
					0	0	1,279					1,485	2,764				
AM Peak Hour			10:45	11:30	11:15		PM Peak Hour			14:45	15:15	14:45					
AM Pk Volume			119	118	236		PM Pk Volume			141	120	255					
Pk Hr Factor			0.850	0.843	0.908		Pk Hr Factor			0.860	0.938	0.924					
7 - 9 Volume	0	0	70	74	144		4 - 6 Volume	0	0	200	190	390					
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:15	16:45	16:45					
7 - 9 Pk Volume	0	0	42	48	90		4 - 6 Pk Volume	0	0	112	101	203					
Pk Hr Factor	0.000	0.000	0.750	0.800	0.776		Pk Hr Factor	0.000	0.000	0.700	0.789	0.846					

VOLUME

65th St W/O Shellmound St

Day: Sunday

Date: 11/12/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,864	1,246						3,110
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			4	7	11		12:00			59	20	79							
00:15			5	4	9		12:15			49	22	71							
00:30			3	2	5		12:30			47	25	72							
00:45			3	15	9	22	12:45			61	216	31	98	92	314				
01:00			2	4	6		13:00			68	28	96							
01:15			4	5	9		13:15			53	27	80							
01:30			3	2	5		13:30			59	22	81							
01:45			2	11	3	12	13:45			56	236	25	102	81	338				
02:00			0	3	3		14:00			61	28	89							
02:15			3	5	8		14:15			69	35	104							
02:30			2	1	3		14:30			52	18	70							
02:45			1	6	5	13	14:45			52	234	23	104	75	338				
03:00			2	1	3		15:00			51	28	79							
03:15			1	0	1		15:15			53	32	85							
03:30			1	3	4		15:30			47	33	80							
03:45			0	4	1	5	15:45			46	197	23	116	69	313				
04:00			0	2	2		16:00			28	26	54							
04:15			3	2	5		16:15			40	24	64							
04:30			4	2	6		16:30			45	22	67							
04:45			3	10	3	9	16:45			27	140	23	95	50	235				
05:00			1	1	2		17:00			19	36	55							
05:15			0	1	1		17:15			17	22	39							
05:30			0	1	1		17:30			20	22	42							
05:45			0	1	0	3	17:45			17	73	18	98	35	171				
06:00			1	2	3		18:00			20	28	48							
06:15			1	3	4		18:15			23	26	49							
06:30			2	3	5		18:30			8	17	25							
06:45			3	7	6	11	18:45			10	61	15	86	25	147				
07:00			4	2	6		19:00			18	20	38							
07:15			4	3	7		19:15			15	25	40							
07:30			6	7	13		19:30			14	13	27							
07:45			6	20	7	19	19:45			8	55	12	70	20	125				
08:00			9	8	17		20:00			12	15	27							
08:15			8	8	16		20:15			10	16	26							
08:30			10	9	19		20:30			9	7	16							
08:45			11	38	10	35	20:45			12	43	12	50	24	93				
09:00			17	8	25		21:00			6	19	25							
09:15			16	12	28		21:15			5	16	21							
09:30			26	9	35		21:30			3	9	12							
09:45			44	103	12	41	21:45			5	19	7	51	12	70				
10:00			37	12	49		22:00			7	11	18							
10:15			50	22	72		22:15			3	9	12							
10:30			38	17	55		22:30			8	8	16							
10:45			41	166	23	74	22:45			1	19	4	32	5	51				
11:00			40	17	57		23:00			6	3	9							
11:15			43	23	66		23:15			3	0	3							
11:30			44	22	66		23:30			5	3	8							
11:45			48	175	28	90	23:45			1	15	4	10	5	25				
TOTALS			556	334	890		TOTALS			1308	912	2220							
SPLIT %			62.5%	37.5%	28.6%		SPLIT %			58.9%	41.1%	71.4%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,864	1,246						3,110
AM Peak Hour			11:45	11:45	11:45		PM Peak Hour			13:30	14:45	13:30							
AM Pk Volume			203	95	298		PM Pk Volume			245	116	355							
Pk Hr Factor			0.860	0.848	0.943		Pk Hr Factor			0.888	0.879	0.853							
7 - 9 Volume	0	0	58	54	112		4 - 6 Volume	0	0	213	193	406							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:00	16:15	16:15							
7 - 9 Pk Volume	0	0	38	35	73		4 - 6 Pk Volume	0	0	140	105	236							
Pk Hr Factor	0.000	0.000	0.864	0.875	0.869		Pk Hr Factor	0.000	0.000	0.778	0.729	0.881							

VOLUME

65th St W/O Shellmound St

Day: Monday
Date: 11/13/2017City: Emeryville
Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	1,601					2,155	3,756
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			1	4	5		12:00			28	24	52	
00:15			2	3	5		12:15			26	31	57	
00:30			1	2	3		12:30			29	44	73	
00:45			0	4	1	10	12:45			37	120	38	137
01:00			2	2	4		13:00			26	30	56	
01:15			2	1	3		13:15			29	32	61	
01:30			1	0	1		13:30			19	28	47	
01:45			1	6	5	8	13:45			25	99	26	116
02:00			1	3	4		14:00			21	19	40	
02:15			0	2	2		14:15			33	20	53	
02:30			1	0	1		14:30			34	20	54	
02:45			0	2	0	5	14:45			21	109	25	84
03:00			0	0	0		15:00			25	22	47	
03:15			0	2	2		15:15			38	24	62	
03:30			0	0	0		15:30			38	23	61	
03:45			0	1	1	3	15:45			31	132	31	100
04:00			1	2	3		16:00			42	33	75	
04:15			2	1	3		16:15			39	16	55	
04:30			1	3	4		16:30			40	26	66	
04:45			2	6	4	10	16:45			51	172	30	105
05:00			2	3	5		17:00			58	36	94	
05:15			2	6	8		17:15			41	34	75	
05:30			5	13	18		17:30			39	42	81	
05:45			4	13	8	30	17:45			29	167	32	144
06:00			4	11	15		18:00			49	36	85	
06:15			8	27	35		18:15			35	36	71	
06:30			11	22	33		18:30			23	20	43	
06:45			13	36	42	102	18:45			21	128	19	111
07:00			10	75	85		19:00			18	29	47	
07:15			14	61	75		19:15			21	20	41	
07:30			16	65	81		19:30			11	16	27	
07:45			19	59	57	258	19:45			24	74	21	86
08:00			18	63	81		20:00			15	18	33	
08:15			24	49	73		20:15			8	26	34	
08:30			25	66	91		20:30			17	20	37	
08:45			26	93	71	249	20:45			14	54	16	80
09:00			25	54	79		21:00			19	13	32	
09:15			30	51	81		21:15			8	15	23	
09:30			20	40	60		21:30			8	10	18	
09:45			17	92	17	162	21:45			12	47	11	49
10:00			24	39	63		22:00			3	8	11	
10:15			15	36	51		22:15			5	13	18	
10:30			17	32	49		22:30			2	12	14	
10:45			15	71	30	137	22:45			10	20	8	41
11:00			22	33	55		23:00			3	5	8	
11:15			13	24	37		23:15			4	5	9	
11:30			24	27	51		23:30			0	8	8	
11:45			24	83	20	104	23:45			7	14	6	24
TOTALS			465	1078	1543		TOTALS			1136	1077	2213	
SPLIT %			30.1%	69.9%	41.1%		SPLIT %			51.3%	48.7%	58.9%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,601	2,155						3,756
AM Peak Hour			11:45	07:00	08:30		PM Peak Hour			16:30	17:30	16:45							
AM Pk Volume			107	258	348		PM Pk Volume			190	146	331							
Pk Hr Factor			0.922	0.860	0.897		Pk Hr Factor			0.819	0.869	0.880							
7 - 9 Volume	0	0	152	507	659		4 - 6 Volume	0	0	339	249	588							
7 - 9 Peak Hour			08:00	07:00	08:00		4 - 6 Peak Hour			16:30	17:00	16:45							
7 - 9 Pk Volume	0	0	93	258	342		4 - 6 Pk Volume	0	0	190	144	331							
Pk Hr Factor	0.000	0.000	0.894	0.860	0.881		Pk Hr Factor	0.000	0.000	0.819	0.857	0.880							

VOLUME

65th St W/O Shellmound St

Day: Tuesday

Date: 11/14/2017

City: Emeryville

Project #: CA17_7944_004

DAILY TOTALS					NB	SB	EB					WB	Total	
					0	0	1,678					2,289	3,967	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00			3	5	8		12:00			29	38	67		
00:15			2	7	9		12:15			30	32	62		
00:30			3	2	5		12:30			21	19	40		
00:45			1	9	4	18	12:45			22	102	28	117	
					5	27						50	219	
01:00			0	3	3		13:00			28	37	65		
01:15			3	5	8		13:15			31	45	76		
01:30			1	4	5		13:30			25	26	51		
01:45			3	7	1	13	13:45			21	105	35	143	
					4	20						56	248	
02:00			2	4	6		14:00			30	29	59		
02:15			0	0	0		14:15			25	32	57		
02:30			1	0	1		14:30			22	25	47		
02:45			1	4	1	5	14:45			32	109	27	113	
					2	9						59	222	
03:00			1	1	2		15:00			33	27	60		
03:15			0	4	4		15:15			35	24	59		
03:30			0	1	1		15:30			42	19	61		
03:45			0	1	0	6	15:45			40	150	34	104	
					0	7						74	254	
04:00			1	2	3		16:00			32	34	66		
04:15			1	1	2		16:15			43	27	70		
04:30			1	0	1		16:30			57	25	82		
04:45			2	5	1	4	16:45			25	157	14	100	
					3	9						39	257	
05:00			2	5	7		17:00			59	43	102		
05:15			2	6	8		17:15			45	35	80		
05:30			2	11	13		17:30			44	37	81		
05:45			2	8	7	29	17:45			43	191	46	161	
					9	37						89	352	
06:00			3	12	15		18:00			41	42	83		
06:15			6	20	26		18:15			34	37	71		
06:30			11	30	41		18:30			30	25	55		
06:45			9	29	41	103	18:45			33	138	23	127	
					50	132						56	265	
07:00			11	49	60		19:00			39	29	68		
07:15			16	59	75		19:15			28	20	48		
07:30			13	58	71		19:30			26	18	44		
07:45			26	66	69	235	19:45			27	120	20	87	
					95	301						47	207	
08:00			21	76	97		20:00			14	29	43		
08:15			16	50	66		20:15			12	19	31		
08:30			25	62	87		20:30			16	21	37		
08:45			19	81	83	271	20:45			15	57	28	97	
					102	352						43	154	
09:00			25	62	87		21:00			21	27	48		
09:15			20	49	69		21:15			8	18	26		
09:30			24	44	68		21:30			13	19	32		
09:45			19	88	33	188	21:45			8	50	15	79	
					52	276						23	129	
10:00			25	30	55		22:00			14	21	35		
10:15			15	23	38		22:15			4	9	13		
10:30			17	31	48		22:30			2	6	8		
10:45			22	79	25	109	22:45			8	28	9	45	
					47	188						17	73	
11:00			22	32	54		23:00			3	9	12		
11:15			23	29	52		23:15			4	6	10		
11:30			19	32	51		23:30			3	4	7		
11:45			15	79	19	112	23:45			5	15	4	23	
					34	191						9	38	
TOTALS			456	1093	1549		TOTALS			1222	1196	2418		
SPLIT %			29.4%	70.6%	39.0%		SPLIT %			50.5%	49.5%	61.0%		

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,678	2,289						3,967
AM Peak Hour			11:45	08:00	08:00		PM Peak Hour			17:00	17:30	17:00							
AM Pk Volume			95	271	352		PM Pk Volume			191	162	352							
Pk Hr Factor			0.792	0.816	0.863		Pk Hr Factor			0.809	0.880	0.863							
7 - 9 Volume	0	0	147	506	653		4 - 6 Volume	0	0	348	261	609							
7 - 9 Peak Hour			07:45	08:00	08:00		4 - 6 Peak Hour			17:00	17:00	17:00							
7 - 9 Pk Volume	0	0	88	271	352		4 - 6 Pk Volume	0	0	191	161	352							
Pk Hr Factor	0.000	0.000	0.846	0.816	0.863		Pk Hr Factor	0.000	0.000	0.809	0.875	0.863							

VOLUME

65th St E/O Overland St

Day: Tuesday

Date: 11/28/2017

City: Emeryville

Project #: CA17_7944_005

DAILY TOTALS					NB	SB	EB					WB	Total	
					0	0	2,682					1,290	3,972	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00			6	3	9		12:00			30	28	58		
00:15			8	6	14		12:15			37	12	49		
00:30			4	0	4		12:30			61	16	77		
00:45			3	21	0	9	12:45			18	146	10	66	
01:00			1	1	2		13:00			45	21	66		
01:15			2	1	3		13:15			43	19	62		
01:30			0	2	2		13:30			50	19	69		
01:45			4	7	4	8	13:45			39	177	26	85	
02:00			1	3	4		14:00			50	24	74		
02:15			3	0	3		14:15			52	18	70		
02:30			0	1	1		14:30			48	16	64		
02:45			0	4	0	4	14:45			40	190	14	72	
03:00			0	0	0		15:00			52	19	71		
03:15			0	1	1		15:15			37	14	51		
03:30			1	3	4		15:30			58	17	75		
03:45			2	3	1	5	15:45			60	207	18	68	
04:00			1	0	1		16:00			77	25	102		
04:15			0	2	2		16:15			74	21	95		
04:30			2	2	4		16:30			74	22	96		
04:45			2	5	3	7	16:45			63	288	20	88	
05:00			3	1	4		17:00			72	20	92		
05:15			4	4	8		17:15			31	27	58		
05:30			6	2	8		17:30			78	34	112		
05:45			7	20	7	14	17:45			81	262	21	102	
06:00			7	5	12		18:00			69	22	91		
06:15			14	7	21		18:15			60	21	81		
06:30			3	7	10		18:30			59	22	81		
06:45			12	36	11	30	18:45			52	240	16	81	
07:00			13	20	33		19:00			41	27	68		
07:15			21	25	46		19:15			47	15	62		
07:30			25	33	58		19:30			54	23	77		
07:45			23	82	20	98	19:45			26	168	9	74	
08:00			39	21	60		20:00			39	10	49		
08:15			30	31	61		20:15			32	15	47		
08:30			28	27	55		20:30			27	15	42		
08:45			32	129	28	107	20:45			29	127	18	58	
09:00			25	23	48		21:00			30	10	40		
09:15			18	19	37		21:15			22	12	34		
09:30			34	18	52		21:30			16	13	29		
09:45			35	112	13	73	21:45			12	80	9	44	
10:00			41	20	61		22:00			14	5	19		
10:15			35	22	57		22:15			18	4	22		
10:30			27	14	41		22:30			7	7	14		
10:45			35	138	27	83	22:45			8	47	4	20	
11:00			26	18	44		23:00			6	3	9		
11:15			32	18	50		23:15			12	3	15		
11:30			59	22	81		23:30			4	1	5		
11:45			49	166	22	80	23:45			5	27	7	14	
TOTALS	723				518	1241	TOTALS	1959				772	2731	
SPLIT %	58.3%				41.7%	31.2%	SPLIT %	71.7%				28.3%	68.8%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,682	1,290						3,972
AM Peak Hour			11:45	08:15	11:15		PM Peak Hour			16:00	17:15	17:30							
AM Pk Volume			177	109	260		PM Pk Volume			288	104	386							
Pk Hr Factor			0.725	0.879	0.802		Pk Hr Factor			0.935	0.765	0.862							
7 - 9 Volume	0	0	211	205	416		4 - 6 Volume	0	0	550	190	740							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:00	17:00	16:00							
7 - 9 Pk Volume	0	0	129	107	236		4 - 6 Pk Volume	0	0	288	102	376							
Pk Hr Factor	0.000	0.000	0.827	0.863	0.967		Pk Hr Factor	0.000	0.000	0.935	0.750	0.922							

VOLUME

65th St E/O Overland St

Day: Wednesday

Date: 11/29/2017

City: Emeryville

Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,762	1,220						3,982
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			5	3	8		12:00			54	21	75							
00:15			4	1	5		12:15			48	24	72							
00:30			2	2	4		12:30			47	21	68							
00:45			5	16	2	8	12:45			41	190	19	85	60	275				
01:00			2	1	3		13:00			48	27	75							
01:15			4	1	5		13:15			53	25	78							
01:30			1	1	2		13:30			53	17	70							
01:45			0	7	0	3	13:45			46	200	18	87	64	287				
02:00			3	1	4		14:00			43	20	63							
02:15			2	0	2		14:15			42	16	58							
02:30			0	1	1		14:30			50	15	65							
02:45			3	8	0	2	14:45			38	173	23	74	61	247				
03:00			0	0	0		15:00			47	16	63							
03:15			0	0	0		15:15			53	16	69							
03:30			1	1	2		15:30			53	19	72							
03:45			1	2	2	3	15:45			46	199	16	67	62	266				
04:00			1	0	1		16:00			75	19	94							
04:15			3	0	3		16:15			50	23	73							
04:30			1	1	2		16:30			78	25	103							
04:45			2	7	2	3	16:45			53	256	24	91	77	347				
05:00			3	0	3		17:00			75	30	105							
05:15			1	4	5		17:15			85	19	104							
05:30			8	1	9		17:30			72	20	92							
05:45			5	17	3	8	17:45			85	317	28	97	113	414				
06:00			10	8	18		18:00			71	29	100							
06:15			6	11	17		18:15			66	33	99							
06:30			11	9	20		18:30			75	17	92							
06:45			10	37	14	42	18:45			56	268	11	90	67	358				
07:00			19	14	33		19:00			45	25	70							
07:15			14	24	38		19:15			47	17	64							
07:30			20	20	40		19:30			38	22	60							
07:45			22	75	20	78	19:45			42	172	12	76	54	248				
08:00			21	16	37		20:00			28	11	39							
08:15			38	18	56		20:15			15	9	24							
08:30			39	27	66		20:30			22	10	32							
08:45			31	129	20	81	20:45			24	89	15	45	39	134				
09:00			24	22	46		21:00			31	13	44							
09:15			28	18	46		21:15			30	13	43							
09:30			32	14	46		21:30			31	7	38							
09:45			29	113	18	72	21:45			24	116	3	36	27	152				
10:00			23	16	39		22:00			10	1	11							
10:15			28	19	47		22:15			21	7	28							
10:30			32	15	47		22:30			8	8	16							
10:45			35	118	15	65	22:45			9	48	11	27	20	75				
11:00			39	18	57		23:00			5	1	6							
11:15			38	12	50		23:15			11	5	16							
11:30			50	16	66		23:30			6	3	9							
11:45			52	179	23	69	23:45			4	26	2	11	6	37				
TOTALS			708	434	1142		TOTALS			2054	786	2840							
SPLIT %			62.0%	38.0%	28.7%		SPLIT %			72.3%	27.7%	71.3%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,762	1,220						3,982
AM Peak Hour			11:30	11:45	11:45		PM Peak Hour			17:00	17:30	17:00							
AM Pk Volume			204	89	290		PM Pk Volume			317	110	414							
Pk Hr Factor			0.944	0.927	0.967		Pk Hr Factor			0.932	0.833	0.916							
7 - 9 Volume	0	0	204	159	363		4 - 6 Volume	0	0	573	188	761							
7 - 9 Peak Hour			08:00	07:45	08:00		4 - 6 Peak Hour			17:00	16:15	17:00							
7 - 9 Pk Volume	0	0	129	81	210		4 - 6 Pk Volume	0	0	317	102	414							
Pk Hr Factor	0.000	0.000	0.827	0.750	0.795		Pk Hr Factor	0.000	0.000	0.932	0.850	0.916							

VOLUME

65th St E/O Overland St

Day: Thursday
Date: 11/30/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,840	1,352						4,192
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			3	1	4		12:00			42	24	66							66
00:15			8	3	11		12:15			45	15	60							70
00:30			2	1	3		12:30			42	28	70							70
00:45			1	14	1	6	12:45			47	176	19	86	66	262				
01:00			4	3	7		13:00			49	15	64							64
01:15			1	0	1		13:15			43	22	65							65
01:30			1	0	1		13:30			48	18	66							66
01:45			1	7	2	5	13:45			44	184	19	74	63	258				
02:00			3	1	4		14:00			50	24	74							74
02:15			0	1	1		14:15			37	10	47							47
02:30			1	0	1		14:30			43	16	59							59
02:45			2	6	1	3	14:45			52	182	19	69	71	251				
03:00			0	1	1		15:00			56	12	68							68
03:15			2	1	3		15:15			41	13	54							54
03:30			3	0	3		15:30			56	25	81							81
03:45			1	6	2	4	15:45			66	219	19	69	85	288				
04:00			0	0	0		16:00			74	18	92							92
04:15			2	1	3		16:15			68	24	92							92
04:30			1	1	2		16:30			64	23	87							87
04:45			4	7	3	5	16:45			54	260	19	84	73	344				
05:00			3	8	11		17:00			76	33	109							109
05:15			6	3	9		17:15			77	33	110							110
05:30			7	3	10		17:30			73	37	110							110
05:45			8	24	4	18	17:45			72	298	36	139	108	437				
06:00			12	10	22		18:00			83	25	108							108
06:15			7	9	16		18:15			63	23	86							86
06:30			10	9	19		18:30			66	23	89							89
06:45			8	37	12	40	18:45			58	270	22	93	80	363				
07:00			14	23	37		19:00			48	23	71							71
07:15			25	15	40		19:15			32	21	53							53
07:30			24	22	46		19:30			45	19	64							64
07:45			30	93	16	76	19:45			36	161	14	77	50	238				
08:00			28	17	45		20:00			35	16	51							51
08:15			32	22	54		20:15			23	17	40							40
08:30			40	30	70		20:30			28	13	41							41
08:45			42	142	30	99	20:45			21	107	13	59	34	166				
09:00			23	19	42		21:00			22	15	37							37
09:15			34	26	60		21:15			31	8	39							39
09:30			36	24	60		21:30			26	13	39							39
09:45			29	122	23	92	21:45			19	98	12	48	31	146				
10:00			35	22	57		22:00			15	11	26							26
10:15			37	16	53		22:15			17	9	26							26
10:30			46	21	67		22:30			14	7	21							21
10:45			42	160	14	73	22:45			13	59	9	36	22	95				
11:00			41	21	62		23:00			10	3	13							13
11:15			48	17	65		23:15			8	3	11							11
11:30			46	22	68		23:30			6	2	8							8
11:45			41	176	26	86	23:45			8	32	3	11	11	43				
TOTALS			794	507	1301		TOTALS			2046	845	2891							2891
SPLIT %			61.0%	39.0%	31.0%		SPLIT %			70.8%	29.2%	69.0%							69.0%

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,840	1,352						4,192
AM Peak Hour			10:30	08:30	11:15		PM Peak Hour			17:15	17:00	17:00							17:00
AM Pk Volume			177	105	266		PM Pk Volume			305	139	437							437
Pk Hr Factor			0.922	0.875	0.978		Pk Hr Factor			0.919	0.939	0.993							0.993
7 - 9 Volume	0	0	235	175	410		4 - 6 Volume	0	0	558	223	781							781
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			17:00	17:00	17:00							17:00
7 - 9 Pk Volume	0	0	142	99	241		4 - 6 Pk Volume	0	0	298	139	437							437
Pk Hr Factor	0.000	0.000	0.845	0.825	0.837		Pk Hr Factor	0.000	0.000	0.968	0.939	0.993							0.993

VOLUME

65th St E/O Overland St

Day: Friday

Date: 12/1/2017

City: Emeryville

Project #: CA17_7944_005

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	3,005					1,376	4,381
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			2	3	5		12:00			40	19	59	
00:15			7	4	11		12:15			45	31	76	
00:30			6	0	6		12:30			38	20	58	
00:45			1	16	0	7	12:45			51	174	26	96
01:00			3	2	5		13:00			55	19	74	
01:15			3	1	4		13:15			50	18	68	
01:30			2	1	3		13:30			47	20	67	
01:45			6	14	2	6	13:45			58	210	11	68
02:00			2	3	5		14:00			50	22	72	
02:15			0	1	1		14:15			66	23	89	
02:30			1	0	1		14:30			52	19	71	
02:45			1	4	1	5	14:45			54	222	27	91
03:00			1	0	1		15:00			71	22	93	
03:15			3	0	3		15:15			42	18	60	
03:30			3	0	3		15:30			38	23	61	
03:45			2	9	2	2	15:45			68	219	23	86
04:00			1	1	2		16:00			74	17	91	
04:15			0	0	0		16:15			71	23	94	
04:30			1	2	3		16:30			77	26	103	
04:45			0	2	1	4	16:45			79	301	24	90
05:00			2	1	3		17:00			63	27	90	
05:15			2	3	5		17:15			88	18	106	
05:30			3	3	6		17:30			74	36	110	
05:45			10	17	5	12	17:45			82	307	23	104
06:00			10	11	21		18:00			59	31	90	
06:15			9	8	17		18:15			64	25	89	
06:30			9	12	21		18:30			59	25	84	
06:45			17	45	15	46	18:45			52	234	19	100
07:00			22	17	39		19:00			50	21	71	
07:15			18	20	38		19:15			47	20	67	
07:30			20	20	40		19:30			57	18	75	
07:45			27	87	28	85	19:45			39	193	11	70
08:00			29	20	49		20:00			38	15	53	
08:15			35	28	63		20:15			38	18	56	
08:30			36	33	69		20:30			28	8	36	
08:45			33	133	17	98	20:45			26	130	9	50
09:00			37	27	64		21:00			33	15	48	
09:15			29	17	46		21:15			45	11	56	
09:30			35	21	56		21:30			31	8	39	
09:45			27	128	22	87	21:45			27	136	16	50
10:00			26	18	44		22:00			16	11	27	
10:15			23	24	47		22:15			12	6	18	
10:30			38	15	53		22:30			13	6	19	
10:45			44	131	16	73	22:45			14	55	13	36
11:00			30	21	51		23:00			17	6	23	
11:15			49	19	68		23:15			16	9	25	
11:30			46	26	72		23:30			11	6	17	
11:45			49	174	19	85	23:45			20	64	4	25
TOTALS			760	510	1270		TOTALS			2245	866	3111	
SPLIT %			59.8%	40.2%	29.0%		SPLIT %			72.2%	27.8%	71.0%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,005	1,376						4,381
AM Peak Hour			11:15	07:45	11:30		PM Peak Hour			16:30	17:30	17:00							
AM Pk Volume			184	109	275		PM Pk Volume			307	115	411							
Pk Hr Factor			0.939	0.826	0.905		Pk Hr Factor			0.872	0.799	0.934							
7 - 9 Volume	0	0	220	183	403		4 - 6 Volume	0	0	608	194	802							
7 - 9 Peak Hour			08:00	07:45	07:45		4 - 6 Peak Hour			16:30	16:45	17:00							
7 - 9 Pk Volume	0	0	133	109	236		4 - 6 Pk Volume	0	0	307	105	411							
Pk Hr Factor	0.000	0.000	0.924	0.826	0.855		Pk Hr Factor	0.000	0.000	0.872	0.729	0.934							

VOLUME

65th St E/O Overland St

Day: Saturday
Date: 12/2/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,501	1,521						5,022
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			10	4	14		12:00			63	27	90							
00:15			11	6	17		12:15			57	34	91							
00:30			13	3	16		12:30			69	30	99							
00:45			8	42	2	15	12:45			62	251	33	124	95	375				
01:00			8	5	13		13:00			85	32	117							
01:15			4	2	6		13:15			59	31	90							
01:30			4	2	6		13:30			58	28	86							
01:45			3	19	2	11	13:45			67	269	29	120	96	389				
02:00			9	3	12		14:00			69	17	86							
02:15			6	3	9		14:15			55	29	84							
02:30			2	2	4		14:30			84	36	120							
02:45			2	19	2	10	14:45			91	299	26	108	117	407				
03:00			5	0	5		15:00			98	23	121							
03:15			0	0	0		15:15			103	34	137							
03:30			5	0	5		15:30			73	27	100							
03:45			1	11	3	3	15:45			104	378	35	119	139	497				
04:00			2	3	5		16:00			81	37	118							
04:15			2	0	2		16:15			90	37	127							
04:30			2	0	2		16:30			90	28	118							
04:45			2	8	1	4	16:45			80	341	24	126	104	467				
05:00			1	1	2		17:00			111	42	153							
05:15			1	1	2		17:15			119	33	152							
05:30			0	3	3		17:30			112	38	150							
05:45			3	5	2	7	17:45			106	448	38	151	144	599				
06:00			6	0	6		18:00			70	43	113							
06:15			4	2	6		18:15			91	35	126							
06:30			7	5	12		18:30			53	31	84							
06:45			6	23	6	13	18:45			63	277	34	143	97	420				
07:00			3	1	4		19:00			57	27	84							
07:15			8	4	12		19:15			49	23	72							
07:30			17	4	21		19:30			33	20	53							
07:45			14	42	13	22	19:45			21	160	15	85	36	245				
08:00			8	6	14		20:00			34	19	53							
08:15			9	9	18		20:15			34	11	45							
08:30			11	12	23		20:30			30	17	47							
08:45			22	50	8	35	20:45			34	132	16	63	50	195				
09:00			24	9	33		21:00			23	10	33							
09:15			19	13	32		21:15			34	18	52							
09:30			34	19	53		21:30			22	5	27							
09:45			27	104	19	60	21:45			23	102	13	46	36	148				
10:00			32	14	46		22:00			14	10	24							
10:15			47	25	72		22:15			19	18	37							
10:30			37	31	68		22:30			27	5	32							
10:45			59	175	18	88	22:45			19	79	7	40	26	119				
11:00			45	20	65		23:00			14	9	23							
11:15			54	32	86		23:15			12	7	19							
11:30			56	24	80		23:30			12	2	14							
11:45			60	215	26	102	23:45			14	52	8	26	22	78				
TOTALS			713	370	1083		TOTALS			2788	1151	3939							
SPLIT %			65.8%	34.2%	21.6%		SPLIT %			70.8%	29.2%	78.4%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,501	1,521						5,022
AM Peak Hour			11:45	11:45	11:45		PM Peak Hour			17:00	17:30	17:00							
AM Pk Volume			249	117	366		PM Pk Volume			448	154	599							
Pk Hr Factor			0.902	0.860	0.924		Pk Hr Factor			0.941	0.895	0.979							
7 - 9 Volume	0	0	92	57	149		4 - 6 Volume	0	0	789	277	1066							
7 - 9 Peak Hour			08:00	07:45	08:00		4 - 6 Peak Hour			17:00	17:00	17:00							
7 - 9 Pk Volume	0	0	50	40	85		4 - 6 Pk Volume	0	0	448	151	599							
Pk Hr Factor	0.000	0.000	0.568	0.769	0.708		Pk Hr Factor	0.000	0.000	0.941	0.899	0.979							

VOLUME

65th St E/O Overland St

Day: Sunday
Date: 12/3/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,394	1,103						3,497
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			6	9	15		12:00			45	23	68							
00:15			6	5	11		12:15			54	23	77							
00:30			12	4	16		12:30			39	23	62							
00:45			11	35	4	22	12:45			48	186	25	94	73	280				
01:00			4	3	7		13:00			52	23	75							
01:15			2	1	3		13:15			48	28	76							
01:30			10	1	11		13:30			55	28	83							
01:45			4	20	2	7	13:45			57	212	22	101	79	313				
02:00			4	3	7		14:00			38	31	69							
02:15			4	2	6		14:15			62	22	84							
02:30			3	1	4		14:30			64	21	85							
02:45			5	16	0	6	14:45			62	226	23	97	85	323				
03:00			3	0	3		15:00			38	21	59							
03:15			1	3	4		15:15			61	17	78							
03:30			2	0	2		15:30			52	21	73							
03:45			6	12	1	4	15:45			48	199	24	83	72	282				
04:00			2	0	2		16:00			54	26	80							
04:15			2	1	3		16:15			55	23	78							
04:30			1	0	1		16:30			68	23	91							
04:45			2	7	1	2	16:45			70	247	22	94	92	341				
05:00			2	2	4		17:00			56	19	75							
05:15			0	0	0		17:15			61	23	84							
05:30			0	0	0		17:30			49	26	75							
05:45			2	4	1	3	17:45			60	226	12	80	72	306				
06:00			2	0	2		18:00			60	19	79							
06:15			1	4	5		18:15			56	16	72							
06:30			3	1	4		18:30			44	19	63							
06:45			4	10	6	11	18:45			43	203	17	71	60	274				
07:00			3	0	3		19:00			33	14	47							
07:15			4	2	6		19:15			35	16	51							
07:30			3	4	7		19:30			29	15	44							
07:45			7	17	5	11	19:45			29	126	16	61	45	187				
08:00			6	10	16		20:00			43	16	59							
08:15			16	8	24		20:15			22	14	36							
08:30			15	7	22		20:30			22	14	36							
08:45			13	50	5	30	20:45			15	102	10	54	25	156				
09:00			13	15	28		21:00			13	11	24							
09:15			16	12	28		21:15			24	16	40							
09:30			21	11	32		21:30			19	7	26							
09:45			29	79	15	53	21:45			10	66	8	42	18	108				
10:00			29	11	40		22:00			16	3	19							
10:15			30	20	50		22:15			12	5	17							
10:30			26	19	45		22:30			11	10	21							
10:45			33	118	13	63	22:45			7	46	7	25	14	71				
11:00			32	16	48		23:00			8	3	11							
11:15			31	22	53		23:15			10	6	16							
11:30			30	17	47		23:30			8	4	12							
11:45			64	157	19	74	23:45			4	30	2	15	6	45				
TOTALS			525	286	811		TOTALS			1869	817	2686							
SPLIT %			64.7%	35.3%	23.2%		SPLIT %			69.6%	30.4%	76.8%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,394	1,103						3,497
AM Peak Hour			11:45	11:45	11:45		PM Peak Hour			16:30	13:15	16:30							
AM Pk Volume			202	88	290		PM Pk Volume			255	109	342							
Pk Hr Factor			0.789	0.957	0.873		Pk Hr Factor			0.911	0.879	0.929							
7 - 9 Volume	0	0	67	41	108		4 - 6 Volume	0	0	473	174	647							
7 - 9 Peak Hour			08:00	07:45	08:00		4 - 6 Peak Hour			16:30	16:00	16:30							
7 - 9 Pk Volume	0	0	50	30	80		4 - 6 Pk Volume	0	0	255	94	342							
Pk Hr Factor	0.000	0.000	0.781	0.750	0.833		Pk Hr Factor	0.000	0.000	0.911	0.904	0.929							

VOLUME

65th St E/O Overland St

Day: Monday
Date: 12/4/2017City: Emeryville
Project #: CA17_7944_005

DAILY TOTALS					NB	SB	EB					WB	Total				
					0	0	2,505					1,289	3,794				
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL					
00:00			7	0	7		12:00			25	18	43					
00:15			3	2	5		12:15			35	9	44					
00:30			5	1	6		12:30			45	19	64					
00:45			2	17	0	3	12:45			43	148	28	74				
01:00			4	3	7		13:00			54	22	76					
01:15			4	1	5		13:15			51	26	77					
01:30			4	0	4		13:30			44	18	62					
01:45			2	14	0	4	13:45			38	187	20	86				
02:00			2	2	4		14:00			52	24	76					
02:15			3	1	4		14:15			48	21	69					
02:30			2	1	3		14:30			57	10	67					
02:45			2	9	0	4	14:45			37	194	20	75				
03:00			1	0	1		15:00			13	15	28					
03:15			2	0	2		15:15			52	10	62					
03:30			0	1	1		15:30			38	14	52					
03:45			2	5	1	2	15:45			39	142	21	60				
04:00			1	0	1		16:00			35	23	58					
04:15			1	0	1		16:15			47	24	71					
04:30			1	3	4		16:30			63	32	95					
04:45			4	7	3	6	16:45			53	198	26	105				
05:00			1	0	1		17:00			78	21	99					
05:15			5	1	6		17:15			58	23	81					
05:30			7	2	9		17:30			71	25	96					
05:45			7	20	2	5	17:45			77	284	26	95				
06:00			8	7	15		18:00			51	23	74					
06:15			6	10	16		18:15			62	24	86					
06:30			10	13	23		18:30			50	23	73					
06:45			12	36	14	44	18:45			61	224	17	87				
07:00			10	18	28		19:00			31	15	46					
07:15			32	24	56		19:15			37	19	56					
07:30			17	23	40		19:30			45	18	63					
07:45			25	84	23	88	19:45			29	142	13	65				
08:00			36	21	57		20:00			28	18	46					
08:15			32	25	57		20:15			19	12	31					
08:30			32	29	61		20:30			12	9	21					
08:45			35	135	24	99	20:45			34	93	18	57				
09:00			30	35	65		21:00			27	13	40					
09:15			29	18	47		21:15			15	9	24					
09:30			33	20	53		21:30			12	11	23					
09:45			37	129	21	94	21:45			15	69	4	37				
10:00			20	12	32		22:00			16	15	31					
10:15			33	13	46		22:15			9	6	15					
10:30			41	23	64		22:30			5	4	9					
10:45			38	132	25	73	22:45			7	37	2	27				
11:00			47	19	66		23:00			10	8	18					
11:15			44	16	60		23:15			10	2	12					
11:30			37	25	62		23:30			10	4	14					
11:45			34	162	21	81	23:45			7	37	4	18				
TOTALS			750	503	1253		TOTALS			1755	786	2541					
SPLIT %			59.9%	40.1%	33.0%		SPLIT %			69.1%	30.9%	67.0%					

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,505	1,289						3,794
AM Peak Hour			10:30	08:15	10:30		PM Peak Hour			17:00	16:00	17:00							
AM Pk Volume			170	113	253		PM Pk Volume			284	105	379							
Pk Hr Factor			0.904	0.807	0.958		Pk Hr Factor			0.910	0.820	0.920							
7 - 9 Volume	0	0	219	187	406		4 - 6 Volume	0	0	482	200	682							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			17:00	16:00	17:00							
7 - 9 Pk Volume	0	0	135	99	234		4 - 6 Pk Volume	0	0	284	105	379							
Pk Hr Factor	0.000	0.000	0.938	0.853	0.959		Pk Hr Factor	0.000	0.000	0.910	0.820	0.920							

Section Identification			ADT or (ADT) by Vehicle Classification																	Through Lanes	Future ADT	Year of Future ADT	Date/Ten	Comments				
County	Jurisdiction	Street Name	Lat- Long/Street From	Long/Street To	length	ADT	ADT	Peak Hour Volume	D FACTOR	K FACTOR	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9						Class 10	Class 11	Class 12	Class 13
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				17,200																	10/16/2017	MONDAY		
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12,231																	10/17/2017	TUESDAY		
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12,753																	10/18/2017	WEDNESDAY		
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12,740																	10/19/2017	THURSDAY		
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12,958																	10/20/2017	FRIDAY		
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				12,112																	10/21/2017	SATURDAY		
Alameda	Emeryville	Christie Avenue	Powell Street	Powell Street Plaza Entrance				15,537																	10/22/2017	SUNDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				38,889																	10/24/2017	MONDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				29,643																	10/27/2017	TUESDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				39,407																	10/28/2017	WEDNESDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				39,362																	10/29/2017	THURSDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				42,353																	10/30/2017	FRIDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				40,100																	10/31/2017	SATURDAY		
Alameda	Emeryville	Powell Street	I-80 EB Ramps	Christie Avenue				36,083																	10/31/2017	SATURDAY		
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15,196																	10/16/2017	MONDAY		
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15,054																	10/17/2017	TUESDAY		
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15,815																	10/18/2017	WEDNESDAY		
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				15,899																	10/19/2017	THURSDAY		
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				18,779																	10/20/2017	FRIDAY		
Alameda	Emeryville	Shellmound Street	Marriot Driveway	Bay Street				21																				

ADT
For two-way facilities, provide the bi-directional ADT.
For one-way roadways, provide the directional ADT

AADT is the average daily traffic value that represents all days of the reporting year. AADT reflects application of day of week, seasonal, and axle correction factors. No other adjustment factors are necessary. 48-hour counts are preferred but shorter duration, such as 24-hour counts, are acceptable if these are the latest available. Lacking a traffic count, the AADT may be estimated from a traffic flow diagram, or by other means. ADT or AADT may be entered. It is not necessary to supply both.

Enter 'est' in Comments field if the ADT or AADT is estimated and not count based

K-Factor
K30 if it is available. This is not common.
Code the K-Factor to the nearest whole percent . Don't use decimals
Either Peak Hour Volume or K-Factor may be entered.
It is not necessary to supply both of these.

The percent of the peak hour volume flowing in the peak direction. This is normally 50-75% (100% for one-way facilities). It cannot be less than 50% since it is defined by the peak direction.

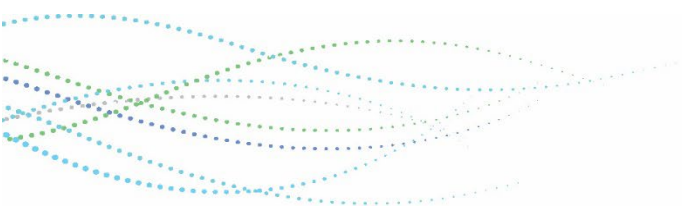
Year of Future ADT (or AADT)
This is typically greater than the current traffic volume but not more than 4 times the current traffic volume. Please provide an explanation wherever it is outside that range.
Ideally, this would be 20 years hence. It should not be less than 18 years out but whatever model year is being predicted that is closest to the 20 year target will suffice.

Collision Data - 3 Years (June 1, 2020 to May 31, 2023)

ACCIDENT	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECT	COLLISION	PRIMARY_PCF_VIOL	TYPE_OF_VIOL	PED_ACTIC	CONTROL	PEDESTRIAN	BICYCLE_A	Collision
2020	POWELL ST	RT 80	0	Y	0	0	0	17D	C	A	A		1
2020	53RD ST	SAN PABLO AV	0	Y	3	0	12D	C	A	A			1
2020	PELADEAU ST	HARLUFF ST	48S	N	0	3	12B	G	A	D		Y	1
2020	HORTON ST	62ND ST	0	Y	3	0	10D	B	B	A	Y		1
2020	FRONTAGE RD	PONT EMERY	150S	N	3	0	3H	J	A	D			1
2020	DOYLE ST	STANFORD AV	155S	N	3	0	3C	E	A	D			1
2020	BAY ST	OHLCONE WY	187N	N	0	4	0G	B		D	Y		1
2020	HOLLIS ST	58TH ST	215S	N	0	0	8D	C	A	D			1
2020	SAN PABLO AV	53RD ST	0	Y	3	0	5	G	A	A		Y	1
2020	POWELL ST	POWELL ST 1700	0	Y	0	0	8B	C	A	A			1
2020	CHRISTIE AV	POWELL ST	0	Y	0	0	8D	C	A	A			1
2020	53RD ST	SAN PABLO AV	38W	N	0	0	8A	F	A	A			1
2020	SHELLMOUND ST	PELADEAU WY	152N	N	3	0	9D	C	A	D			1
2020	POWELL ST	PELADEAU ST	33E	N	3	0	8B	C	A	A			1
2020	SHELLMOUND ST	CHRISTIE AV	0	Y	3	0	10G	B	B	A	Y		1
2020	SHELLMOUND ST	CHRISTIE AV	0	Y	0	0	17B	C	A	A			1
2020	POWELL ST	CHRISTIE AV	176W	N	3	0	5A	E	A	D		Y	1
2020	POWELL ST	CHRISTIE AV	0	Y	0	0	17C	E	A	A			1
2020	CHRISTIE AV	POWELL AV	0	Y	0	0	17E	F	A	D			1
2020	CHRISTIE AV	POWELL AV	0	Y	0	0	8B	C	A	A			1
2020	POWELL ST	POWELL ACCESS RD	25E	N	0	0	7A	C	A	A			1
2020	66TH ST	SHELLMOUND ST	0	Y	0	0	21C	C	A	A			1
2020	POWELL ST	RT 80	0	Y	0	0	12D	C	A	A			1
2020	SAN PABLO AV	40TH ST	0	Y	3	0	12A	C	A	A			1
2021	HOLLIS ST	67TH ST	0	Y	0	0	9D	C	A	A			1
2021	CHRISTIE AV	POWELL ST	58S	N	0	0	9B	C	A	A			1
2021	POWELL ST	CHRISTIE AV	0	Y	0	0	17B	C	A	A			1
2021	SHELLMOUND ST	SHELLMOUND WY	86N	N	0	0	7A	F	A	D			1
2021	HOLLIS ST	67TH ST	0	Y	3	0	9D	C	A	A			1
2021	HOLLIS ST	63RD ST	0	Y	4	0	3C	C	A	D			1
2021	64TH ST	LIGHT POLE #59365	0	N	4	0	0A	D	A	D			1
2021	40TH ST (BLOCK 1500)	40TH ST	0	N	1	0	0	A	A	D			1
2021	45TH ST	45TH 1100	37N	N	0	0	8A	E	A	D			1
2021	CHRISTIE AV	POWELL ST	88N	N	0	0	7B	C	A	D			1
2021	40TH ST	HARLAN ST	0	Y	0	0	21D	C	A	D			1
2021	CHRISTIE AV	59TH ST	0	Y	0	0	8	C	A	D			1
2021	POWELL ST	POWELL ST 3306	89W	N	0	0	3E	C	A	D			1
2021	SHELLMOUND ST	WEA ENT	354N	N	0	0	8B	C	A	D			1
2021	POWELL ST	CHRISTIE AV	99W	N	0	0	8B	C	A	A			1
2021	POWELL ST	CHRISTIE AV	0	Y	0	0	8	C	A	A			1
2021	EMERY ST	40TH ST	9W	N	0	0	8	C	A	D			1
2021	POWELL ST	CHRISTIE AV	87W	N	0	0	4C	C	A	A			1
2021	HOLLIS ST	POWELL ST	250N	N	3	0	8D	C	A	D			1
2021	FRONTAGE RD	ACCESS RD	0	Y	3	0	3	C	A	A			1
2021	SAN PABLO AV	40TH ST	210S	N	0	0	7B	C	A	D			1
2021	POWELL ST	RT 80	0	Y	0	0	8B	C	A	A			1
2021	45TH ST	SAN PABLO AV	0	Y	4	0	12D	C	A	A			1
2021	POWELL ST	RT 80	0	Y	4	0	12D	C	A	A			1
2021	PERALTA ST	36TH ST	16N	N	0	0	22B	E	A	D			1
2021	62ND ST	HOLLIS ST	0	Y	4	0	9A	C	A	A			1
2021	SAN PABLO AV	STEVE DAIN DR	117S	N	0	0	3C	C	A	A			1
2021	SAN PABLO AV	SAN PABLO AV 4800	0	Y	3	0	3C	C	A	A			1
2021	HOLLIS ST	HOLLIS ST 5800	0	-	0	0	8B	C	A	D			1
2021	64TH ST	CHRISTIE AV	244W	N	0	0	21B	C	A	D			1
2021	CHRISTIE AV	SHELLMOUND ST	143W	N	0	0	9C	C	A	A			1
2021	POWELL ST	CHRISTIE AV	0	Y	0	0	9D	C	A	A			1
2021	SHELLMOUND ST	SHELLMOUND ST 4400	0	-	0	0	3C	C	A	A			1
2021	SHELLMOUND WY	SHELLMOUND ST	102W	N	4	0	3E	F	A	D			1
2021	POWELL ST	CHRISTIE AV	0	Y	3	0	3C	C	A	A			1
2021	STANFORD AV	DOYLE ST	0	Y	0	0	8B	C	A	A			1
2021	BAY ST	BAY ST 5686	0	Y	0	0	8B	E	A	D			1
2021	POWELL ST	DOYLE ST	0	Y	0	0	3C	C	A	A			1
2021	HOLLIS ST	67TH ST	0	Y	4	0	9A	D	A	A			1
2021	SHELLMOUND ST	CHRISTIE AV	192S	N	0	0	7D	C	A	D			1
2021	HOLLIS ST	67TH ST	0	Y	0	0	9D	C	A	B			1
2021	HOLLIS ST	67TH ST	0	Y	0	0	12D	C	A	A			1
2021	EMERY ST	EMERY ST 3800	0	-	0	0	8	C	A	D			1
2021	POWELL ST	POWELL ST 1700	0	-	0	0	8B	C	A	A			1
2021	SHELLMOUND ST	SHELLMOUND ST 5900B	0	-	0	0	8A	F	A	D			1
2021	POWELL ST	FRONTAGE RD	0	Y	3	0	17D	G	A	A		Y	1
2021	POWELL ST	VALLEJO ST	0	Y	3	0	10A	B	D	Y			1
2021	CHRISTIE AV	LIGHT POLE #32-5868	28S	N	3	0	17D	C	A	A			1
2021	SAN PABLO AV	LIGHT POLE #60-5582	30N	N	4	0	10A	B	F	D	Y		1
2021	ADLINE ST	43RD ST	94S	N	4	0	3C	C	A	A			1
2021	POWELL ST	DOYLE ST	0	Y	4	0	9G	E	A	A	Y		1
2021	SAN PABLO AV	40TH ST	0	Y	0	0	0B	C	A	A			1
2021	SAN PABLO AV	SAN PABLO AV 3600	0	N	0	0	7B	C	A	A			1
2021	SAN PABLO AV	WEST MACARTHUR BL	0	Y	3	0	5A	G	A	A		Y	1
2021	POWELL ST OP	CHRISTIE AV	0	Y	3	0	3C	F	A	D			1
2021	BEAUDRY ST	59TH ST	218S	N	0	0	3E	F	A	D			1
2022	SAN PABLO AV	PARK AV	0	Y	0	0	17A	C	A	A			1
2022	65TH ST	SHELLMOUND ST	61E	N	0	0	5A	E	A	A			1
2022	PARK AV	WALLECK ST	0	Y	0	0	8B	E	A	D			1
2022	40TH ST	HORTON ST	283W	N	0	0	9D	C	A	A			1
2022	CHRISTIE AV	POWELL ST	21S	N	0	0	7B	C	A	D			1
2022	SHELLMOUND ST	OHLCONE WY	135N	N	0	0	8B	C	A	D			1
2022	SHELLMOUND ST	SHELLMOUND ST 5900 BLK	0	Y	0	0	21H	C	A	A			1
2022	45TH ST	SAN PABLO AV	0	N	4	0	3C	C	A	A			1
2022	HOLLIS ST	66TH ST	0	Y	0	0	9D	C	A	A			1
2022	POWELL ST	CONRADSDORE DR	0	Y	0	0	8A	E	A	A			1
2022	BAY ST	BAY ST 5600 BLOCK	0	Y	0	0	8B	E	A	D			1
2022	SAN PABLO AV	ADELINE ST	213N	N	0	0	8B	E	A	A			1
2022	HOLLIS ST	66TH ST	0	Y	0	0	9B	C	A	A			1
2022	45TH ST	SAN PABLO AV	0	Y	0	0	5A	C	A	D			1
2022	POWELL ST	CHRISTIE AV	0	Y	0	0	12D	C	A	A			1
2022	65TH ST	HOLLIS ST	175W	N	0	0	8D	C	A	D			1
2022	EMERY ST	WEST MACARTHUR BL	0	Y	0	0	12D	C	A	A			1
2022	HARLAN ST	HARLAN ST 4000	0	N	0	0	8D	C	A	D			1
2022	CHRISTIE AV	59TH ST	0	Y	0	0	9A	C	A	A			1
2022	SHELLMOUND WY	LIGHT POLE 5850	14W	N	0	0	3F	J	A	A			1
2022	62ND ST	VALLEJO ST	0	Y	0	0	21D	C	A	A			1
2022	HOLLIS ST	67TH ST	17N	N	3	0	3C	F	A	D			1
2022	40TH ST	40TH ST 1500	0	Y	2	0	3B	F	A	D			1
2022	ADELINE ST	43RD ST	46N	N	4	0	3C	C	A	A			1
2022	SAN PABLO AV	PARK AV	0	Y	0	0	7B	E	A	A			1
2022	63RD ST	MARKET DR	0	Y	0	0	21A	C	A	D			1
2022	SELLMOUND ST	65TH ST	0	Y	0	0	12D	G	A	A		Y	1
2022	SAN PABLO AV	SAN PABLO AV 3800 BLK	0	N	0	0	7B	C	A	A			1
2022	SAN PABLO AV	40TH ST	0	Y	3	0	12H	G	A	A		Y	1
2022	FRONTAGE RD	POWELL ST	72N	N	0	0	9D	C	A	A			1
2022	CHRISTIE AV	SHELLMOUND ST	28S	N	0	0	3C	C	A	D			1
2022	FRONTAGE RD	POWELL ST	451N	N	0	0	3C	C	A	A			1
2022	61ST ST	DOYLE ST	78W	N	0	0	17E	E	A	D			1
2022	SHELLMOUND ST	SHELLMOUND ST 5600	0	-	3	0	7D	C	A	D			1
2022	POWELL ST	CHRISTIE AV	0	Y	0	0	9D	C	A	A			1
2022	HOLLIS ST	HOLLIS ST 5800 BLK	0	N	0	0	9B	C	A	D			1
2022	40TH ST	HARLAN ST	31W	N	0	0	3C	C	A	A			1
2022	47TH ST	ADELINE ST	460W	N	0	0	5H	C	A	D			1
2022	45TH ST	ESSEX ST	0	N	0	0	3C	C	A	D			1
2022	POWELL ST	PELADEAU ST	61W	N	0	0	1C	C	A	D			1
2022	BAY ST	OHLCONE WY	0	Y	0	0	5A	C	A	D			1
2022	POWELL ST	VALLEJO ST	0	Y	4	0	9D	C	A	A			1
2022	SHELLMOUND ST	CHRISTIE AV	230S	N	3	0	9D	C	A	D			1
2022	POWELL ST	PELADEAU ST	0	Y	0	0	8B	C	A	D			1
2022	POWELL ST	SAN PABLO	200W	N	3	0	3C	C	A	D			1
2023	EMERY ST	40TH ST	361S	N	4	0	8G	B	D	D	Y		1
2023	RT 80	POWELL ST	0	Y	0	0	8B	C	A	A			1
2023	SAN PABLO AV	53RD ST	0	Y	0	0	7B	C	A	D			1
2023	SAN PABLO AV	40TH ST	0	Y	3	0	3C	F	A	A			1
2023	CHRISTIE AV	BAY ST	0	Y	0	0	21E	F	A	D			1
2023	POWELL ST	RT 80	0	Y	0	0	17D	C	A	A			1
2023	45TH ST	SAN PABLO AV	68E	N									



APPENDIX C – SUMMARY OF RECOMMENDATIONS & ONE PAGE SUMMARY SHEETS



Summary of Recommendations (New and Existing Segments)

New Speed Survey Segments																
#	Street	Survey Limits	Length of Roadway Segment (mi)	Posted Speed/Prima Facie Speed (mph)	ADT	Total Collisions	Crash Rate	Statewide Average Collision Rate (2019)	Crash Rate lower than Statewide Average?	50th Percentile Speed/Mean Speed (mph)	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percentage of Vehicles in Pace (%)	Recommended Speed Limit (mph)	Speed Limit Change Justification	Comments
1	Hollis St	67th St to Powell St	0.7	30	5,915	21	4.63	1.39	No	28.5	32.5	22-33	84.0	25	CVC Section 22358.6 (c), (d), and Section 22358.7 (2)	An Engineering & Traffic Survey was conducted along this stretch of Hollis St in 2016 and posted speed limit of 25 mph was adopted. However, speed limit signs were not replaced from 30 mph to 25 mph as required by CVC 22352 and 22357. Hence, the adopted speed limit is not currently effective. Based on recent data collection, the 85th percentile speed is 32.5 mph. The 10 mph pace speed is 22 mph to 33 mph and the collision rate is higher than the statewide average collision rate. This section of Hollis St experiences heavy pedestrian traffic and has an hospital and park fronting it. Hence, per CVC Section 22358.6 (c), (d), and Section 22358.7 (2), the recommended speed limit is 25 mph.
2	Horton St	62nd St to 40th St	0.9	25	3,303	2	0.61	1.39	Yes	23.0	27.0	18-27	85.0	20	CVC Section 22358.6 (b)and Section 22358.4 (a)(1),	Based on recent data collection, the 85th percentile speed is 27 mph. The 10 mph pace speed ranges from 18 mph to 27 mph and the collision rate is lower than the statewide average collision rate. This section of Horton St. fronts a school and several commercial businesses and is classified as a bicycle blvd per the City's general plan. Hence, per CVC Section 22358.6 (b) and Section 22358.4 (a)(1), the recommended speed limit is 20 mph. The suggested speed limit falls within the 10 mph pace speed range.
3	Christie Ave	65th St to Powell St	0.5	25	4,988	12	4.39	1.39	No	22.0	26.0	17-26	75.0	20	CVC Section 22358.6 (b)and Section 22358.4 (a)(1),	Based on recent data collection, the 85th percentile speed is 26 mph. The 10 mph pace speed ranges from 17 mph to 26 mph and the collision rate is higher than the statewide average collision rate. This section of Christie St fronts Christie Park and several commercial businesses. Hence, per CVC Section 22358.6 (b) and Section 22358.4 (a)(1), the recommended speed limit is 20 mph. The suggested speed limit falls within the 10 mph pace speed range.
4	Powell St	480 Frontage Rd to Vallejo St	0.6	30	39,305	43	1.67	1.18	No	30.0	36.0	27-36	81.0	30	CVC Section 22358.6 (b)	Based on recent data collection, the 85th percentile speed is 36 mph. The 10 mph pace speed ranges from 27 mph to 36 mph and the collision rate is higher than the statewide average collision rate. Hence, per CVC Section 22358.6 (b), the existing speed limit of 30 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.
5	65th St	La Coste St to Vallejo St	0.7	25	3,833	6	2.04	1.39	No	25.0	29.0	20-29	85.0	25	CVC Section 22358.6 (c)	Based on recent data collection, the 85th percentile speed is 29 mph. The 10 mph pace speed ranges from 20 mph to 29 mph and the collision rate is higher than the statewide average collision rate. Hence, per CVC Section 22358.6 (c), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.
6	La Coste St	65th St to 64th St	0.2	25	239	0	0.00	1.39	Yes	26.0	31.0	22-31	81.0	25	CVC Section 22358.6 (b)	Based on recent data collection, the 85th percentile speed is 31 mph. The 10 mph pace speed ranges from 22 mph to 31 mph and the collision rate is lower than the statewide average collision rate. Hence, per CVC Section 22358.6 (b), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.
7	53rd St	Horton St to San Pablo Ave	0.4	25	1,959	2	2.33	1.39	No	24.0	27.0	19-28	89.0	20	CVC Section 22358.6 (b)and Section 22358.4 (a)(1),	Based on recent data collection, the 85th percentile speed is 27 mph. The 10 mph pace speed ranges from 19 mph to 28 mph. The collision rate is higher than the statewide average collision rate. This section of 53rd St fronts a school and several commercial businesses and residences and is classified as a bicycle blvd per the City's general plan. Hence, per CVC Section 22358.6 (b) and Section 22358.4 (a)(1), the recommended speed limit is 20 mph. The suggested speed limit falls within the 10 mph pace speed range.
8	Park Ave	San Pablo Ave to Halleck St	0.6	25	3,324	2	0.92	1.39	Yes	25.0	29.0	20-29	84.0	25	CVC Section 22358.6 (c)	Based on recent data collection, the 85th percentile speed is 29 mph. The 10 mph pace speed ranges from 20 mph to 29 mph and the collision rate is lower than the statewide average collision rate. Hence, per CVC Section 22358.6 (c), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.
9	Frontage Rd	Powell St to Point Emery Ln	0.6	25	4,931	6	1.85	1.39	No	29.0	32.0	23-32	80.0	25	CVC Section 22358.6 (b)	Based on recent data collection, the 85th percentile speed is 32 mph. The 10 mph pace speed ranges from 23 mph to 32 mph and the collision rate is higher than the statewide average collision rate. Hence, per CVC Section 22358.6 (b), the existing speed limit of 25 mph is recommended to be maintained. The existing speed limit falls within the 10 mph pace speed range.

Summary of Recommendations (New and Existing Segments)

Extend Existing Speed Survey Segments																
#	Street	Survey Limits	Length of Roadway Segment (mi)	Posted Speed/Prima Facie Speed* (mph)	ADT	Total Collisions	Crash Rate (2020-2023)	Statewide Average Collision Rate (2020)	Crash Rate (2013-2016)	Crash Rate lower than Statewide Average?	50th Percentile Speed/Mean Speed* (mph)	85th Percentile Speed* (mph)	10 mph Pace Speed* (mph)	Percentage of Vehicles in Pace* (%)	Recommended Speed Limit* (mph)	Extending Speed Limit Justification
10	Hollis St	Powell St to Yerba Buena Ave	0.8	30	6,938	0	0.00	1.07	0.79	Yes	27.2	29.9	23-32	98.5	30	There is currently a new biomed development on Hollis from 53 rd to Stanford which will be constructed from 2022 – 2024. However, this construction has not added to or affected existing traffic conditions in the area. Additionally, traffic is still adjusting from the COVID pandemic. Given these conditions, it is recommended to maintain existing speed limit.
11	Powell St	Captain Drive to I-80 Frontage Rd	0.9	30	3,639	18	1.39	1.07	0.59	No	30.2	32.8	25-34	96.0	30	No significant developments and changes in the area that affects the segment. Additionally, traffic is still adjusting from the COVID pandemic. Given these conditions, it is recommended to maintain existing speed limit.
12	40th St	East abutment of 40th St Bridge to San Pablo Ave	0.6	30	17,288	13	1.14	0.64	1.22	No	32.3	35.5	29-38	92.0	30	No significant developments and changes in the area that affects the segment. Additionally, traffic is still adjusting from the COVID pandemic. Given these conditions, it is recommended to maintain existing speed limit.
13	Shellmound St	67th St to Christie Ave	0.7	25	6,222	12	2.52	1.07	1.48	No	25.0	27.9	22-31	94.2	25	There is currently apartment development and a warehouse rebuild between 65 th – northerly city limits. Additionally, this segment will be repaved in 2024. Currently these projects have not added to or affected existing traffic conditions and it is recommended to maintain existing speed limit. Upon completion of the projects, the City will collect data and reevaluate this corridor.
14	Shellmound St	Christie Ave to East Abutment of 40th St Bridge	0.9	30	17,379	6	0.35	0.66	1.92	Yes	28.2	31.3	24-33	92.0	30	There is a grocery store development on Shellmound from Ohlone Way to Bay Street. However, it is still in the site development stage and does not add to or affect existing traffic conditions. It is recommended to maintain existing speed limit. Upon completion of the project, the City will collect data and reevaluate this corridor.
15	Christie Ave	Powell St to Shellmound St	0.2	25	13,694	11	3.67	1.61	2.88	No	23.0	25.4	19-28	97.0	25	No significant developments and changes in the area that affects the segment. Additionally, traffic is still adjusting from the COVID pandemic. Given these conditions, it is recommended to maintain existing speed limit.

Notes:

* Obtained from 2016 Approved ETS



CITY OF EMERYVILLE

ENGINEERING AND TRAFFIC SURVEY

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Street: Hollis St Survey Date: Tuesday, June 27, 2023
From: 67th St To: Powell St

SPEED DATA

Location of Speed Survey	btwn 63rd St & 62nd St	Posted Speed Limit	30 mph
Time of Speed Survey	12:21 PM - 12:49 PM	Recommended Speed Limit	25 mph
50th Percentile Speed (Mean Speed)	28.5 mph	Speed Limit Change	5 mph
85th Percentile Speed	32.5 mph	Speed Justification	CVC Section
10 mph Pace Speed	22-33 mph		22358.6 (c), (d) &
Percentage of Vehicles in Pace	84%		Section 22358.8
Number of Survey Samples	100		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	21
Collision Rate (ACC/MVM)	4.63
Expected Collisions (ACC/MVM)	1.07

TRAFFIC FACTORS

Average Daily Traffic	5,915 vpd
Type of Traffic Control	Traffic Signals at 67th, 65th, 64th, 62nd, 59th and Powell St
	TWSC at remaining intersections

ROADWAY CHARACTERISTICS

Length of Segment	3696 ft (0.7 mi)
Width	44 ft
Number of Lanes	2
Street Classification	Transit St
Divided Median?	No
Designated Bike Route?	No
Bike Lanes?	No
Uncontrolled Crosswalks?	Yes, at 61st, 63rd, and 66th St
On-Street Parking?	Yes
Sidewalks?	Yes
Driveways?	Yes
Vertical Curve	No
Horizontal Curve	No
Visibility	Good
Pavement Condition	Good
Adjacent Land Use	Commercial

Comments

An Engineering & Traffic Survey was conducted along this stretch of Hollis St in 2016 and posted speed limit of 25 mph was adopted. However, speed limit signs were not replaced from 30 mph to 25 mph as required by CVC 22352 and 22357. Hence, the adopted speed limit is not currently effective.

Based on recent data collection, the 85th percentile speed is 32.5 mph. The 10 mph pace speed ranges from 22 mph to 33 mph and the collision rate is higher than the statewide average collision rate. This section of Hollis St experiences heavy pedestrian traffic and has an hospital and park fronting it. Hence, per CVC Section 22358.6 (c), (d), and Section 22358.8, the recommended speed limit is 25 mph.



CITY OF EMERYVILLE

ENGINEERING AND TRAFFIC SURVEY

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Street: Hollis St Survey Date: Tuesday, June 27, 2023
From: 67th St To: Powell St

SPEED DATA

Location of Speed Survey	btwn 63rd St & 62nd St	Posted Speed Limit	30 mph
Time of Speed Survey	12:21 PM - 12:49 PM	Recommended Speed Limit	25 mph
50th Percentile Speed (Mean Speed)	28.5 mph	Speed Limit Change	5 mph
85th Percentile Speed	32.5 mph	Speed Justification	CVC Section
10 mph Pace Speed	22-33 mph		22358.6 (c), (d) &
Percentage of Vehicles in Pace	84%		Section 22358.8
Number of Survey Samples	100		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	21
Collision Rate (ACC/MVM)	4.63
Expected Collisions (ACC/MVM)	1.07

TRAFFIC FACTORS

Average Daily Traffic	5,915 vpd
Type of Traffic Control	Traffic Signals at 67th, 65th, 64th, 62nd, 59th and Powell St
	TWSC at remaining intersections

ROADWAY CHARACTERISTICS

Length of Segment	3696 ft (0.7 mi)
Width	44 ft
Number of Lanes	2
Street Classification	Transit St
Divided Median?	No
Designated Bike Route?	No
Bike Lanes?	No
Uncontrolled Crosswalks?	Yes, at 61st, 63rd, and 66th St
On-Street Parking?	Yes
Sidewalks?	Yes
Driveways?	Yes
Vertical Curve	No
Horizontal Curve	No
Visibility	Good
Pavement Condition	Good
Adjacent Land Use	Commercial

Comments

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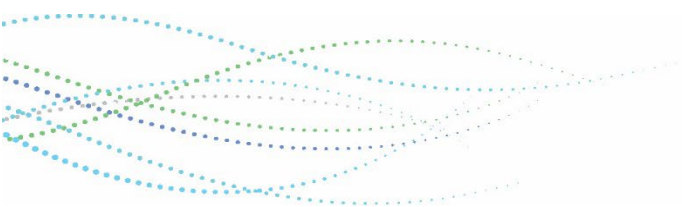
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APPENDIX D – ANALYSIS OF 2024 E&TS NEW SURVEYED SEGMENTS BASED ON AB 43 REQUIREMENTS



City of Emeryville
Analysis for Application of CVC Sections 22358.7 and 22358.9 to 2024 E&TS New Surveyed Segments

#	Street	Segment Limits	CVC Section 22358.7(p)(2) - High Bicycle/Pedestrian Concentration				CVC Section 22358.9 - Business Activity District Requirements					Existing Speed Limit (mph)	2024 ETS Established Speed Limit (mph)	Qualification for 5-mph Speed Reduction Per AB43	Amended Recommended Speed Limit to be implemented on July 1, 2024	Comments
			Land Use	Transit Factors	Presence of Ped/Bike Infrastructure Highway 22358.7(p)(2)	Presence of Ped/Bike Infrastructure Highway 22358.7(p)(2)	No less than 50 percent of the contiguous property fronting the highway consists of retail or dining commercial uses, including outdoor dining, that open directly onto sidewalks adjacent to the highway.	Parking, including parallel, diagonal, or perpendicular spaces located alongside the highway.	Traffic control signals or stop signs regulating traffic flow on the highway, located at intervals of no more than 600 feet.	Marked crosswalks not controlled by a traffic control device.	In Business Activity District (meets three or more requirements)?					
1	Hollis St	67th St to Powell St	Employment Centers Presence of Retail Multi-use Trail, Park Health/Medical Facilities	AC Transit - Bus Stops	Sidewalks Crosswalks	-	No	Yes	No	Yes	No	30	25	No	25	There are several facilities that are high Ped/Bike Generators within 1320 ft throughout the corridor. Per CVC Section 22358.6(e), the speed reduction shall not exceed 12.4-mph from the 85th-percentile speed. Given that the 85th percentile speed is 32.5 and further reduction in speed per CVC Section 22358.7(p)(2) - "Land or facility that generates high concentrations of bicyclists or pedestrians", would result in exceeding the speed reduction threshold, this corridor does not qualify for the additional 5-mph speed reduction.
2	Horton St	62nd St to 40th St	Employment Centers Presence of Retail Multi-use Trail Health/Medical Facilities	Emeryville Amtrack - Transit Stops	Sidewalks Crosswalks Class IV Separated Bike Lanes	-	No	Yes	No	Yes	No	25	20	Yes	15	High Ped/Bike Generators within 1320 ft throughout the corridor. Hence, this corridor is eligible for 5-mph speed reduction per CVC Section 22358.7. The speed limit established by the 2024 E&TS can serve as the baseline for which this reduction can be applied.
3	Christie Ave	65th St to Powell St	Employment Centers Presence of Retail Parks	AC Transit - Bus Stops	Sidewalks Crosswalks	-	No	Yes	No	Yes	No	25	20	Yes	20	High Ped/Bike Generators within 1320 ft throughout the corridor. Hence, this corridor is eligible for 5-mph speed reduction per CVC Section 22358.7. The speed limit established by the 2024 E&TS can serve as the baseline for which this reduction can be applied.
4	Powell St	I-80 Frontage Rd to Vallejo St	Presence of Retail Recreational Destinations Multi-use Trail	-	Sidewalks Crosswalks	-	No	No	No	Yes	No	30	30	No	30	There are very few high ped/bike generators along Powell St. This corridor does not qualify for an additional 5-mph speed reduction per CVC Section 22358.7. "Land or facility that generates high concentrations of bicyclists or pedestrians", however, it may qualify under CVC Section 22358.7(p)(1) - "Safety Corridor", upon further analysis.
5	65th St	Hollis St to Vallejo St	Presence of Retail Multi-use Trail	-	Sidewalks Crosswalks Class II from Hollis St to Emeryville Greenway	Class IV Bike Lanes from Hollis St to Emeryville Greenwav Class IIIB Bike Lanes from Emeryville Greenway to Vallejo St	No	Yes	No	No	No	25	25	Yes	20	High Ped/Bike Generators within 1320 ft throughout the corridor, especially the Emeryville Greenway Trail crossing. Hence, this corridor is eligible for 5-mph speed reduction per CVC Section 22358.7. The speed limit established by the 2024 E&TS can serve as the baseline for which this reduction can be applied.
6	65th St	La Coste St to Hollis St	Employment Centers	AC Transit and Emeryground Bus Stops	Sidewalks Crosswalks Class II from Shellmound St to Hollis St	Class IV Bike Lanes from La Coste St to Hollis St	No	Yes	No	No	No	25	25	Yes	25	Though this corridor is eligible for 5-mph speed reduction due to the presence of high ped/bike generators within 1320 ft throughout the corridor, the segment west of Hollis St will not be reduced due to signal timing changes needed at the Quiet Zone crossing at 65th Street.
7	La Coste St	65th St to 64th St	Employment Centers	-	Sidewalks	-	No	No	No	No	No	25	25	No	25	The retail and employment centers face Christie Ave, La Coste St is mainly used to access parking facilities. This corridor does not qualify for speed reductions under CVC Sections 22358.7 & 22358.9. Additionally, this street is planned to be turned into a park URG-03.
8	53rd St	Horton St to San Pablo Ave	Employment Centers Presence of Retail Park School - Elementary School	-	Sidewalks Crosswalks Class IIIB from Horton St to Hollis St Class IIIB from Hollis St to San Pablo Ave	Class I Bike Lanes from Hollis St to San Pablo Ave	No	Yes	No	No	No	25	20	Yes	15	High Ped/Bike Generators within 1320 ft throughout the corridor, especially the elementary and high schools at the east end. Hence, this corridor is eligible for 5-mph speed reduction per CVC Section 22358.7. The speed limit established by the 2024 E&TS can serve as the baseline for which this reduction can be applied.
9	Park Ave	Halleck St to San Pablo Ave	Employment Centers Recreational Destination	Emeryground - Bus Stops	Sidewalks Crosswalks Class IIIB Emery St to San Pablo Ave	Class IIIB Halleck St to Emery St	No	Yes	No	Yes	No	25	25	Yes	20	High Ped/Bike Generators within 1320 ft throughout the corridor. Hence, this corridor is eligible for 5-mph speed reduction per CVC Section 22358.7. The speed limit established by the 2024 E&TS can serve as the baseline for which this reduction can be applied.
10	Frontage Rd	Powell St to Point Emery Ln	Employment Centers Presence of Retail Multi-use Trail	-	-	-	No	No	No	No	No	25	25	No	25	There are employment centers and retail businesses at the south end of the corridor, however, there are no ped/bike generators or facilities along the rest of the corridor. SF Bay trail runs parallel to the corridor and provides a separate ped/bike path. This corridor does not qualify for speed reductions under CVC Sections 22358.7 & 22358.9.

Notes:
1. CVC Section 22358.7(p)(2), CA MUTCD 2014, Revision 8: 12x. A land or facility that generates high concentrations of bicyclists or pedestrians shall be defined as the portion of the highway where one or more of any of the generators listed in Table 2B-306(CA) are present within a distance of 1320 feet.