


MARINERS AND DOVER SHORES NEIGHBORHOOD TRAFFIC CALMING STUDY

City of Newport Beach, California



Legend:

 = Study Area

MARINERS AND DOVER SHORES NEIGHBORHOOD TRAFFIC CALMING STUDY City of Newport Beach, California

Prepared for:

CITY OF NEWPORT BEACH
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1.0 Executive Summary

1.1 Summary of Findings

In response to concerns raised by residents in the Newport Beach communities of Mariners and Dover Shores, RK Engineering Group, Inc. (RK) was retained by the City of Newport Beach to perform an analysis of existing traffic conditions to determine whether the concerns potentially support the implementation of conceptual traffic calming improvements. All data collection, analysis and proposed conceptual improvements were guided by *City Council Policy L-26*, which includes a definitive set of parameters (approved by the City Council) for evaluating neighborhood traffic and the feasibility of measures to address traffic calming.

“Traffic Calming” is an area of neighborhood traffic engineering that is focused primarily on operational aspects and secondarily on design. That is, driver awareness and behavior are of prime importance, with the goal being to reduce speeds and decrease the potential of all types of traffic collisions within a given residence district.

Representatives of the City of Newport Beach and RK organized a total of three (3) “Town Hall” style meetings with residents of Mariners and Dover Shores neighborhoods in order to collect resident feedback, share traffic data results, and ultimately present conceptual traffic calming improvements.

Data collection performed by RK and its consultants was gathered to ascertain resident feedback, average daily traffic (ADT), cut-through traffic, vehicle speeds, and the nature and extent of traffic collisions. It was observed that the neighborhood concerns about vehicular speeds were reasonable in justifying a consideration of physical improvements aimed at reducing vehicle speeds in several segments of the two neighborhoods.

1.2 Conceptual Improvements

After detailed analysis and a series of discussions with City of Newport Beach Traffic Engineering staff, a list encompassing three types of conceptual improvements was agreed upon: (1) speed cushions, (2) white edge line striping, and (3) white “bulb-out” striping at intersections.

Speed cushions were suggested for seventeen (17) approximate locations along street segments where vehicle speeds were observed to be above average and where the criteria of *Council Policy L-26* were met.

White edge line striping was recommended on seven (7) streets.

“Bulb-out” configurations were suggested at the Highland Drive intersections with Estelle Lane, Marian Lane, Nottingham Road, Cambridge Lane, and Oxford Lane.

In accordance with *Council Policy L-26*, implementation of any conceptual improvement must take into consideration input and approval from affected residents.

2.0 Mariners and Dover Shores Neighborhoods

The Mariners and Dover Shores residential neighborhoods consist of approximately 490 acres and approximately 3,932 residents. The project is bound by Irvine Avenue and Dover Drive to the west, Upper Newport Bay Nature Preserve and Ecological Reserve (Back Bay) to the north and east, and Blue Gum Lane, Grove Lane and Polaris Drive to the south. The residential area also includes parks, public beaches, and the Newport Aquatic Center.

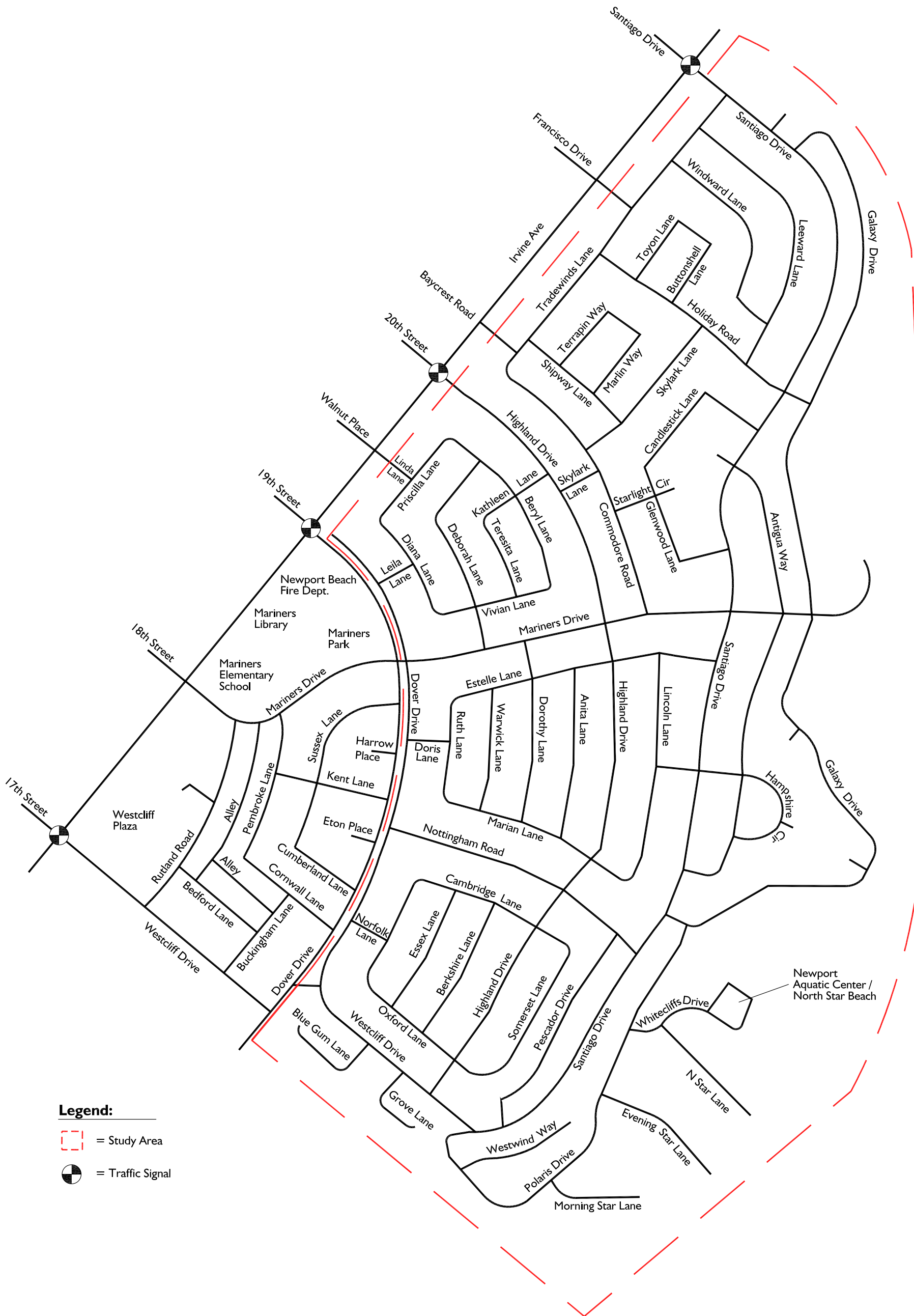
The Study Area is identified in Exhibit A.

3.0 Purpose of Report and Study Objectives



The objective of this study is to quantify and address the nature of concerns expressed by residents of Mariners and Dover Shores communities to City of Newport Beach Traffic Engineering staff. In general, these concerns relate to “quality of life” issues that are closely tied to traffic speeds and safety issues. RK has been retained by the City of Newport Beach to perform comprehensive traffic collection over a study area encompassing the entire communities of Mariners and Dover Shores.

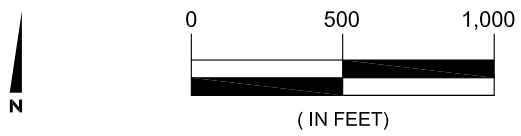
For both the study of ambient traffic conditions and the potential application of traffic calming features in order to address concerns, RK adhered to guidelines set forth in a City of Newport Beach Document identified as *Council Policy L-26 (2018, 08/14)*. This document, reviewed by City Council, is comprehensive in setting parameters for the purposes of assessing where local streets should be considered for treatment, and also the types of treatment which can be applied to specific streets. Throughout this study, reference to a “residential” or “local” street adheres to the definition of a “residence district” street, as set forth in the California Vehicle Code (§515). It should be noted that the City of Newport Beach has augmented by including parameters of speed limit posting 25 mph or 30 mph and maximum curb-to-curb width of 44 feet.

RK acknowledges the amount of analysis and policy discussion that took place between engineering staff and elected officials to have *Council Policy L-26* approved, and is supportive of the parameters therein.



Legend:

-  = Study Area
-  = Traffic Signal



4.0 Role of Council Policy L-26 for this Study

The City of Newport Beach, in its *Council Policy L-26*, has created well-defined guidelines for the type and extent of data to collect in order to determine both the nature of neighborhood traffic characteristics, and the justification for applying potential traffic calming measures in any residential community.

RK has maintained adherence of the definitions and criteria, as explained in *Council Policy L-26*, in conducting the elements of data gathering and evaluating various types of “tools” that can be used in bringing about traffic calming in the Dover Shores and Mariners neighborhoods. Definitions and criteria are explained on pages 2 and 3 of the policy. The City of Newport Beach *Council Policy L-26* is included in Appendix A.

5.0 First of Three Neighborhood Meetings, November 29, 2018

As mentioned in *Council Policy L-26*, neighborhood meetings are included in the list of items comprising Level 1 tools. The first meeting took place at City Hall on November 29, 2018, and was attended by eleven (11) residents from Dover Shores and Mariners, in addition to staff from RK, Newport Beach Traffic Engineering and Newport Beach Police Department. The PowerPoint presentation by RK for this neighborhood meeting is included in Appendix B-1.

The initial meeting objectives were to define the study area, indicate the nature of data that would be gathered to assess neighborhood traffic characteristics, and to define the goals of traffic management policy. RK staff made an in-depth presentation based on a field review of the two neighborhoods, and listed the following as being specific categories in which data would be collected: (1) speed, (2) traffic volumes, (3) traffic collision history, and (4) cut-through traffic. Newport Beach Traffic Engineering staff provided information pertaining to aspects of *Council Policy L-26* and assured attendees that the City would be an active overseer of the study and review process. Apart from the introductory nature of the neighborhood meeting, the most important objective was to take comments and questions from the audience regarding the nature and location of traffic concerns. Exhibits A and B, which were introduced at the meeting, present the study boundaries (all of the Dover Shores and Mariners neighborhoods), and type and location of traffic control (signing and striping) within the study area.

All of the residents' comments were recorded and input into a database for the purposes of determining the type, location and timeframe for all data to be gathered within the Dover Shores and Mariners residential communities. Further, the comments were documented for the purposes of presentation at the second neighborhood meeting (description on the following page) and in this report. It should be noted that comments were verbally received from residents and via email correspondence.

Areas of Resident Traffic Concern, depicted in terms of percentage of responses and their corresponding locations, are presented in Exhibit C. A list of redacted emailed comments from residents can be found in Appendix C.

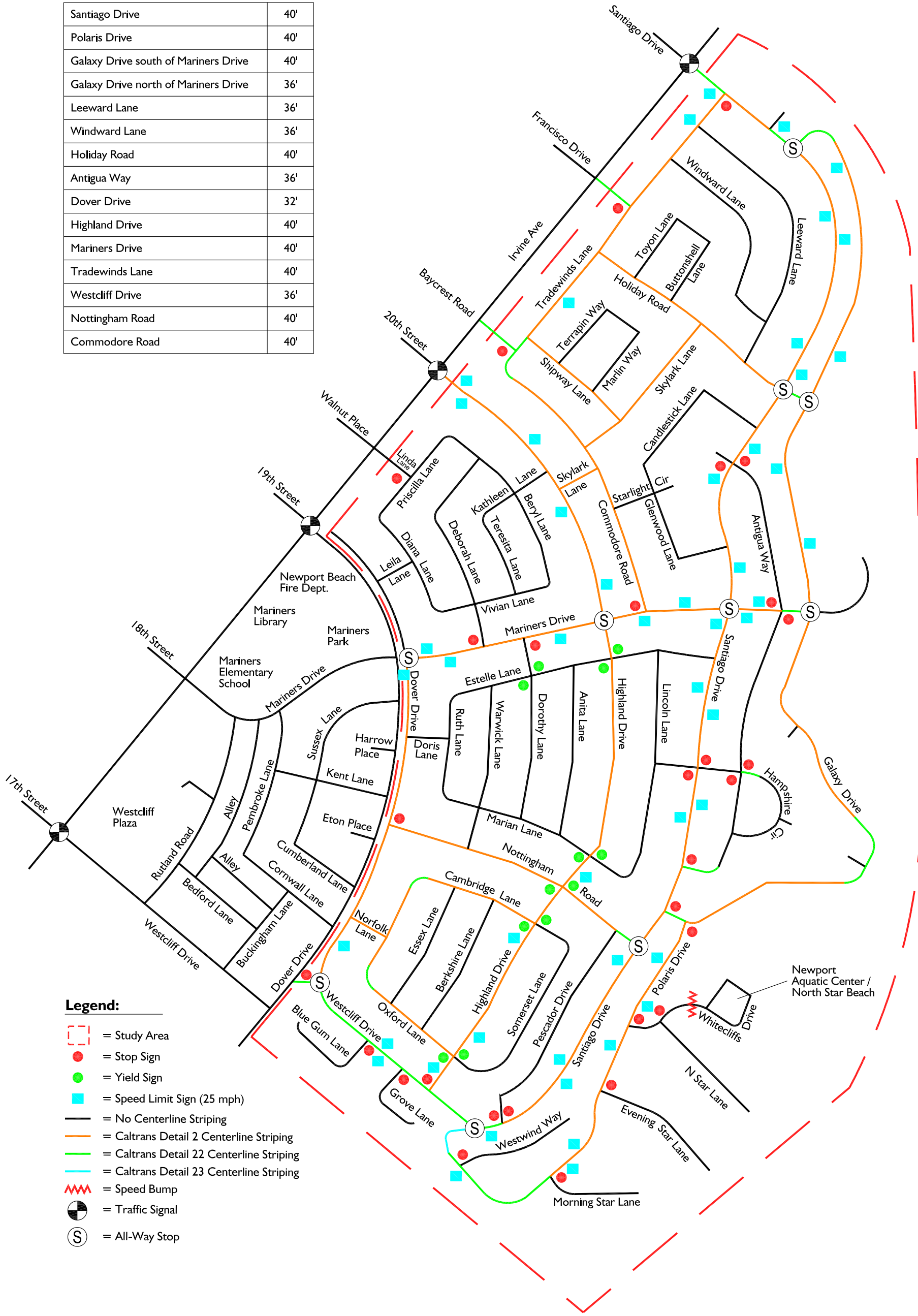
6.0 Data Collection

To determine the existing conditions for various traffic characteristics that comprise our evaluation, RK collected data at locations obtained from community input (during the first community meeting) and from City staff recommendations (largely from comments received after the meeting). All data collection was completed in accordance with standard engineering practice (school was in session, non-holiday, dry roadway conditions, good weather, and unimpeded traffic flow).

- Average daily traffic: data was gathered for a typical Thursday and a typical Saturday using count hoses that registered every vehicle driving through key segments of the neighborhood.
- Vehicle speed data: again, count hoses were used to gather vehicular speeds. Data was gathered for a 24-hour period – Thursday and Saturday – along numerous street segments based on input from local residents and City staff.
- Traffic collision data: RK obtained all data from the Newport Beach Police Department and the Statewide Integrated Traffic Records System (SWITRS), which maintains records of every collision in California for which a police report was filed.
- Newport Aquatic Center traffic: traffic volumes were recorded during peak hours on a Thursday and Saturday, and neighborhood access/egress points were obtained via license plate surveys.
- Cut-through traffic: the number and driving route for vehicles cutting through the Dover Shores and Mariners neighborhoods was obtained by way of recording license plate numbers (last four characters only) at various intersections bordering the two communities and tracking the entrance/egress points for license plate matches within a time frame of three (3) minutes or less. Although the exact driving route was not tracked, the more important

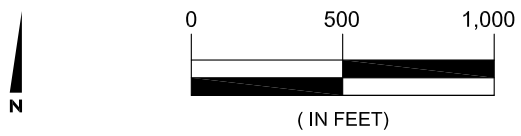
Roadway Widths

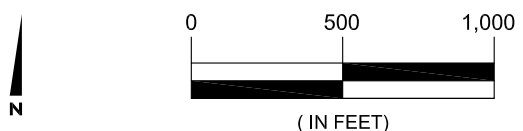
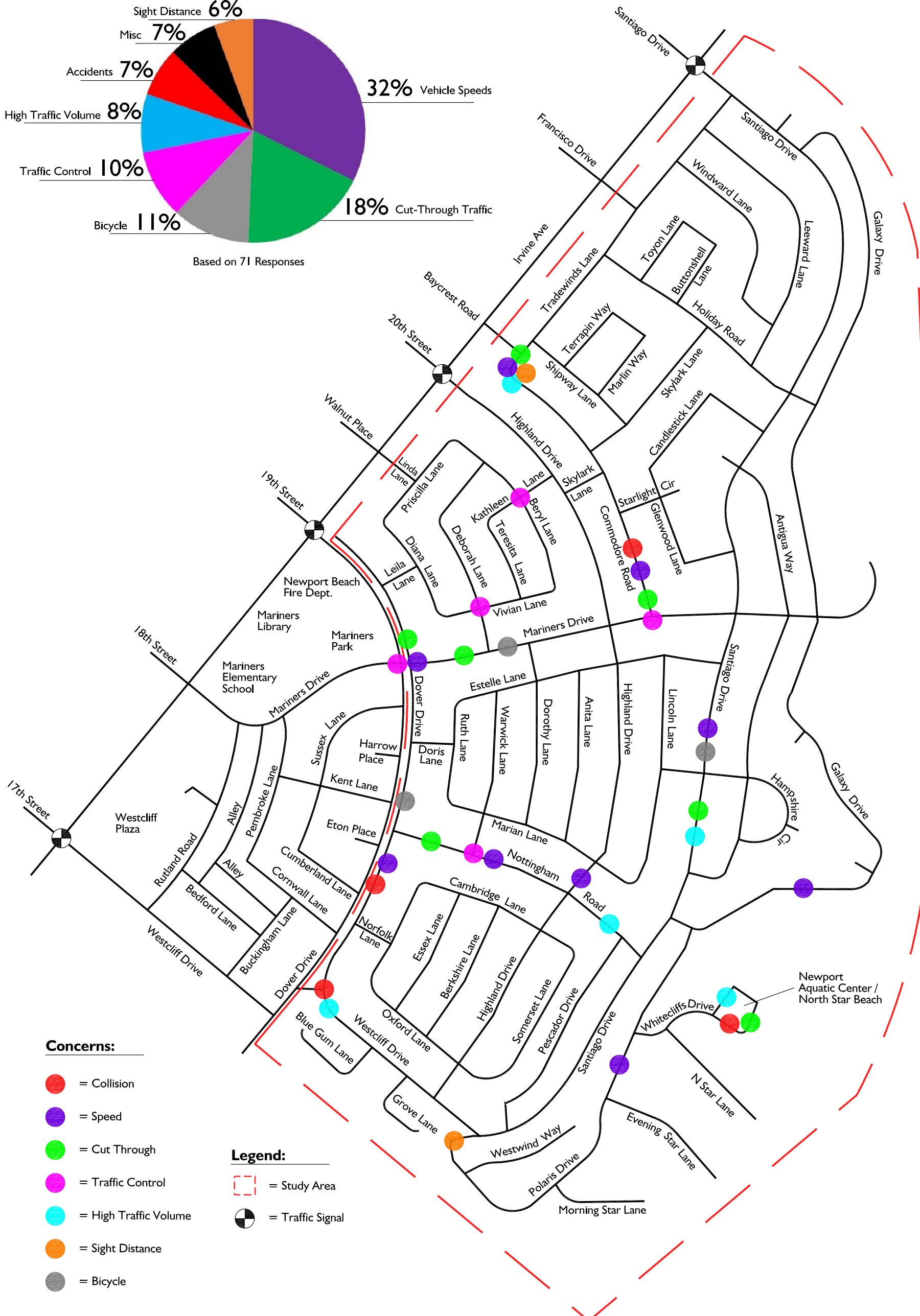
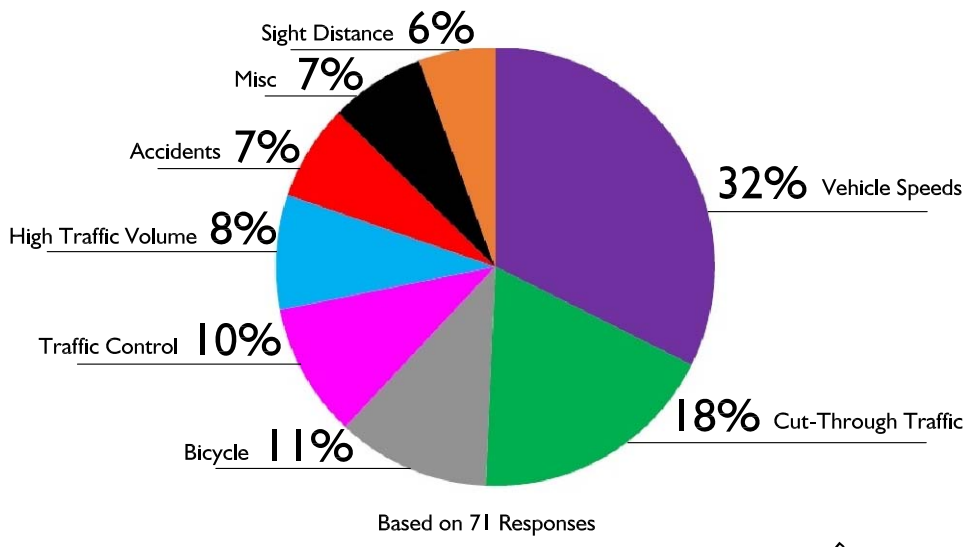
Santiago Drive	40'
Polaris Drive	40'
Galaxy Drive south of Mariners Drive	40'
Galaxy Drive north of Mariners Drive	36'
Leeward Lane	36'
Windward Lane	36'
Holiday Road	40'
Antigua Way	36'
Dover Drive	32'
Highland Drive	40'
Mariners Drive	40'
Tradewinds Lane	40'
Westcliff Drive	36'
Nottingham Road	40'
Commodore Road	40'



Legend:

- = Study Area
- = Stop Sign
- = Yield Sign
- = Speed Limit Sign (25 mph)
- = No Centerline Striping
- = Caltrans Detail 2 Centerline Striping
- = Caltrans Detail 22 Centerline Striping
- = Caltrans Detail 23 Centerline Striping
- ⚡ = Speed Bump
- = Traffic Signal
- S = All-Way Stop





information – where drivers entered and exited the communities – was determined to a high level of certainty.

7.0 Second of Three Neighborhood Meetings, May 2, 2019

The second neighborhood meeting was held at the Mariners Branch Library on May 2, 2019. This meeting was very proactive, with a turnout of twenty-four (24) residents from Dover Shores and Mariners joining staff from RK and the City of Newport Beach.

In accordance with the main topics of discussion from the November meeting, detailed data were presented for each of the following: (1) community feedback characterizing the nature of traffic concerns, (2) Primary Collision Factors (PCF) for ten years of traffic collision data in the two neighborhoods, (3) 24-hour speed surveys, (4) peak hour traffic associated with the Newport Aquatic Center, and (5) peak hour cut-through traffic. The PowerPoint presentation by RK for this neighborhood meeting is included in Appendix B-2. Below is a summary of each of the above topics:

7.1 Community Feedback

As tabulated from comments at the first neighborhood meeting and subsequent comments received by RK and City of Newport Beach staff, residents expressed concerns about a variety of traffic conditions. These provided good guidance to RK and its field technicians in terms of the locations and duration of data collection. The top five (out of eight) concerns – expressed as a percentage of the total number of submitted comments – are as follows:

- Vehicle speeds = 32%
- Cut-through traffic = 18%
- Bicycle-related = 11%
- Traffic control = 10%
- High traffic volume = 8%
- Accidents = 7%
- Misc = 7%
- Sight Distance = 6%

The aforementioned Exhibit C, which documents areas of traffic concern expressed by residents, was presented at this meeting.

7.2 Traffic Collision Report Data

Professional traffic engineers look closely at traffic collision (TC) reports to ascertain whether or not there are patterns in the location and/or type of TC. All traffic collision reports submitted by Newport Beach Police officers indicate a primary collision factor (PCF) which is deemed by the investigating officer as the main cause for a given traffic collision. Documentation of the location and pattern (if any) of PCFs is of great help in determining whether (or not) and where to implement certain types of traffic calming.

After surveying data for the past ten years, six (6) different PCFs were found to be associated with traffic collisions in the Dover Shores and Mariners neighborhoods. As depicted in Exhibit D, each of fifty-five (55) TCs is pinpointed on the neighborhood street map, with a breakdown by type – shown as a percentage of the total number of traffic collision reports – presented in the legend. The breakdown is as follows:

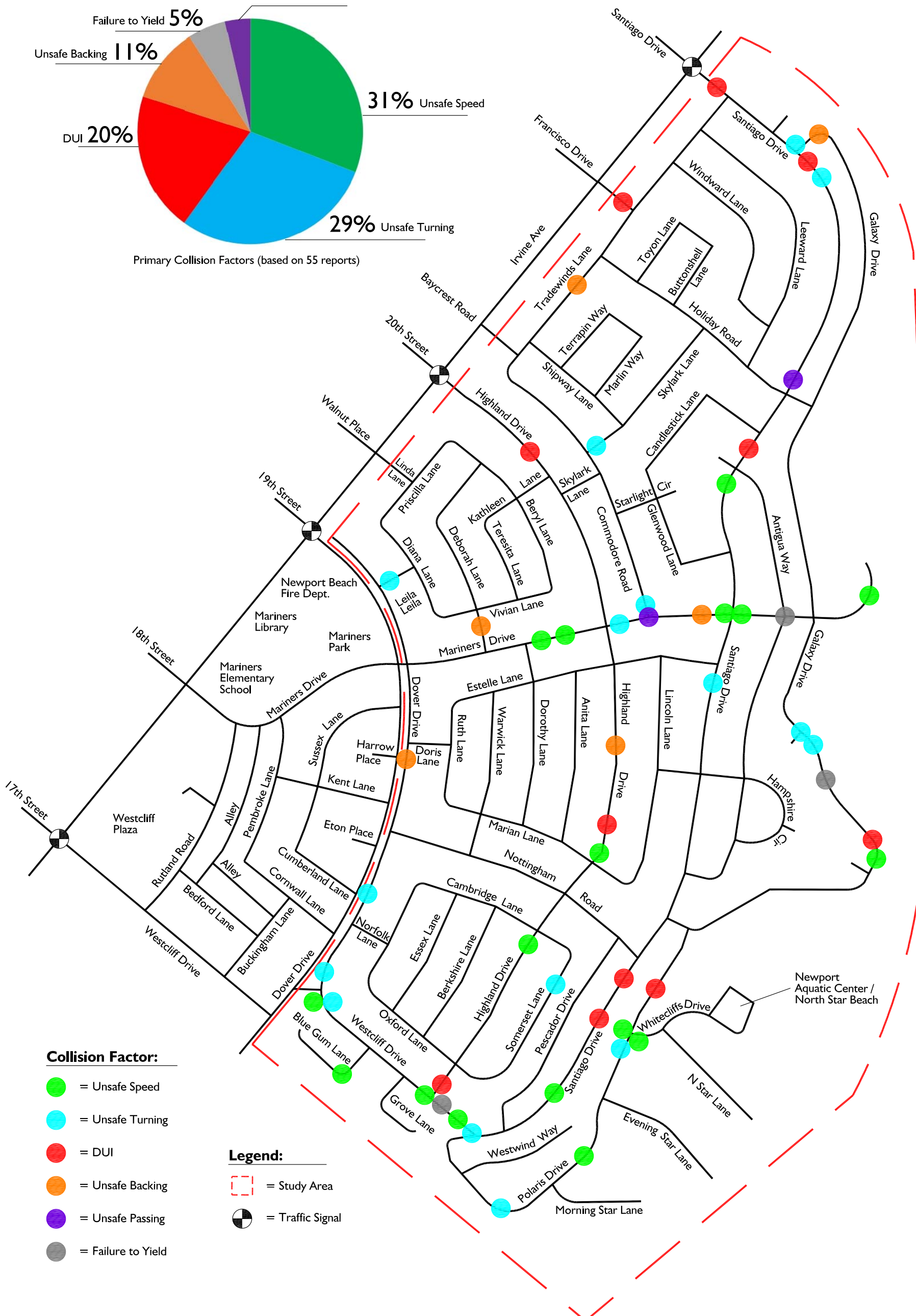
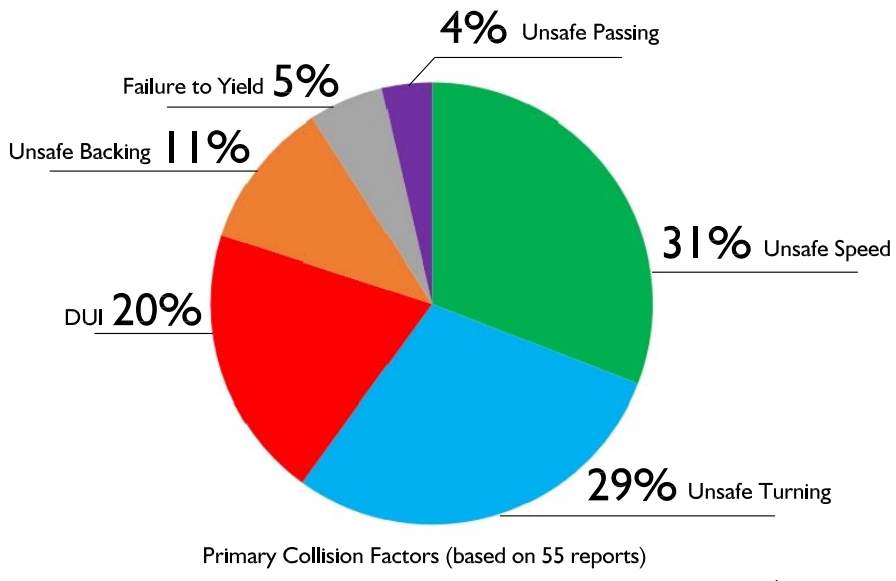
- Unsafe speeds = 32%; aside from driving in excess of the speed limit, this could also refer to a speed deemed “unsafe for the conditions,” which could include inclement weather, impaired visibility (e.g., fog) or roadwork.
- Unsafe turning = 29%; examples of this PCF include making a turn from an improper lane and turning without the appropriate signal.
- DUI = 20%; most commonly, this involves the use of alcohol or illegal narcotics, but could also include overuse of prescription drugs.
- Unsafe backing = 11%; the most common instance of this PCF involves backing into traffic from driveways.
- Failure to yield = 5%; examples of this include forcing one’s way into traffic at YIELD or STOP signs, or from a driveway/cross-street.
- Unsafe passing = 4%; this PCF arises when any vehicle passing another vehicle does so in a way that creates a potentially hazardous situation to him/herself or to another driver or bicyclist.

Collision data is included in Appendix D, with collision rates for Thursday and Saturday conditions are summarized in Tables 1-A and 1-B, respectively.

7.3 Traffic Count Data Collection Locations

Exhibit E presents the locations for three (3) types of traffic data that are both responsive to the concerns expressed by residents and pertinent to the determination of where *Council Policy L-26* tools might need to be considered. The

Exhibit D Traffic Collision Reports (05/2008 - 08/2018)



Collision Factor:

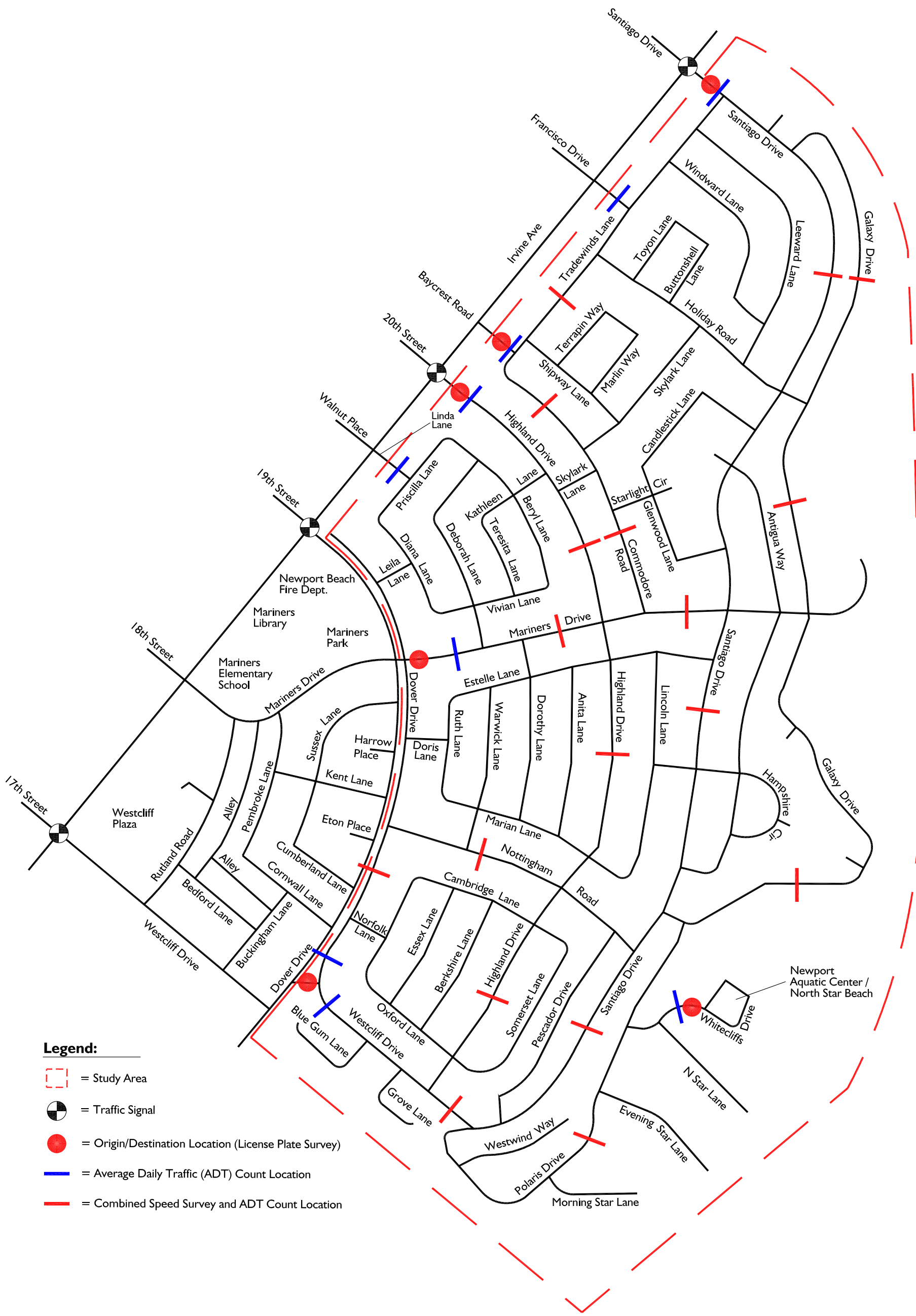
- = Unsafe Speed
- = Unsafe Turning
- = DUI
- = Unsafe Backing
- = Unsafe Passing
- = Failure to Yield

Legend:

- = Study Area
- = Traffic Signal



Source: Newport Beach Police Department and Statewide Integrated Traffic Records System



Legend:

- = Study Area
- = Traffic Signal
- = Origin/Destination Location (License Plate Survey)
- = Average Daily Traffic (ADT) Count Location
- = Combined Speed Survey and ADT Count Location

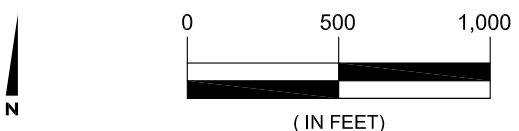


TABLE 1-A
10-Year Collision Rates
Thursday ADT

Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	ADT ¹	Collision Rate ²
Tradewinds Lane					
1. Windward Lane to Shipway Lane	1	123	0.19	714	3.28
Santiago Drive					
2. Irvine Avenue to Holiday Road	3	123	0.41	2,079	1.15
3. Holiday Road to Hampshire Lane	3	123	0.41	1,437	1.67
4. Nottingham Road to Pescador Drive	2	123	0.18	978	5.26
Mariners Drive					
5. Dover Drive to Highland Drive	2	123	0.16	3,083	2.06
6. Highland Drive to Galaxy Drive	4	123	0.17	1,573	7.23
Dover Drive					
7. Mariners Drive to Westcliff Drive	2	123	0.34	1,352	1.50
Highland Drive					
8. Estelle Lane to Oxford Lane	4	123	0.46	1,157	2.41
Galaxy Drive					
9. Mariners Drive to Polaris Drive	5	123	0.52	387	7.78
Westcliff Drive					
10. Dover Drive to Santiago Drive	2	123	0.17	3,454	1.65
Polaris Drive					
11. Galaxy Drive to Morning Star Lane	4	123	0.28	1,076	4.87

¹ ADT = Average Daily Traffic

² Collisions per million vehicle miles traveled. Does not include collisions within 250 feet of intersections.

TABLE 1-B
10-Year Collision Rates
Saturday ADT

Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	ADT ¹	Collision Rate ²
Tradewinds Lane					
1. Windward Lane to Shipway Lane	1	123	0.19	683	3.43
Santiago Drive					
2. Irvine Avenue to Holiday Road	3	123	0.41	1,596	1.50
3. Holiday Road to Hampshire Lane	3	123	0.41	1,226	1.96
4. Nottingham Road to Pescador Drive	2	123	0.18	753	6.83
Mariners Drive					
5. Dover Drive to Highland Drive	2	123	0.16	2,707	2.35
6. Highland Drive to Galaxy Drive	4	123	0.17	1,307	8.70
Dover Drive					
7. Mariners Drive to Westcliff Drive	2	123	0.34	1,204	1.68
Highland Drive					
8. Estelle Lane to Oxford Lane	4	123	0.46	893	3.12
Galaxy Drive					
9. Mariners Drive to Polaris Drive	5	123	0.52	381	7.90
Westcliff Drive					
10. Dover Drive to Santiago Drive	2	123	0.17	3,013	1.89
Polaris Drive					
11. Galaxy Drive to Morning Star Lane	4	123	0.28	988	5.30

¹ ADT = Average Daily Traffic

² Collisions per million vehicle miles traveled. Does not include collisions within 250 feet of intersections.

three (3) categories of data collection are identified in the exhibit: (1) average daily traffic (ADT) counts; (2) origin/destination counts, to assess whether or not cut-through trips are present; and (3) vehicle speed data collection, which augmented the ADT counts in most locations.

7.4 Average Daily Traffic

Average daily traffic (ADT) volume is not directly related to issues of traffic safety, per se; however, acquiring these values throughout the neighborhood provides engineering professionals with a baseline indication of which streets are favored (or not) routes within a given neighborhood.

As seen in Exhibit F, ADT volumes range from a few hundred to roughly 3,900 vehicles per day on the streets where counts were collected. In general, street segments closest to Irvine Avenue and Dover Drive had the highest volumes. Deeper into the communities, Santiago Drive, Mariners Drive and Westcliff Drive had the highest volumes, which was expected due to their more continuous nature (multiple segments) and service to more confined residential street groupings.

7.5 24-Hour Speed Surveys

In the vast majority of cases, speed data in residence districts reveals an 85th percentile speed between 27 mph and 33 mph. The 85th percentile speed, most commonly used to determine appropriate speed limit postings, is the speed at, or below which, 85% of the sample vehicles are traveling. The use of this value, an industry standard for decades, is deemed to “conform with the consensus of those who drive highways as to what speed is reasonable and prudent...” (*Caltrans Traffic Manual*).

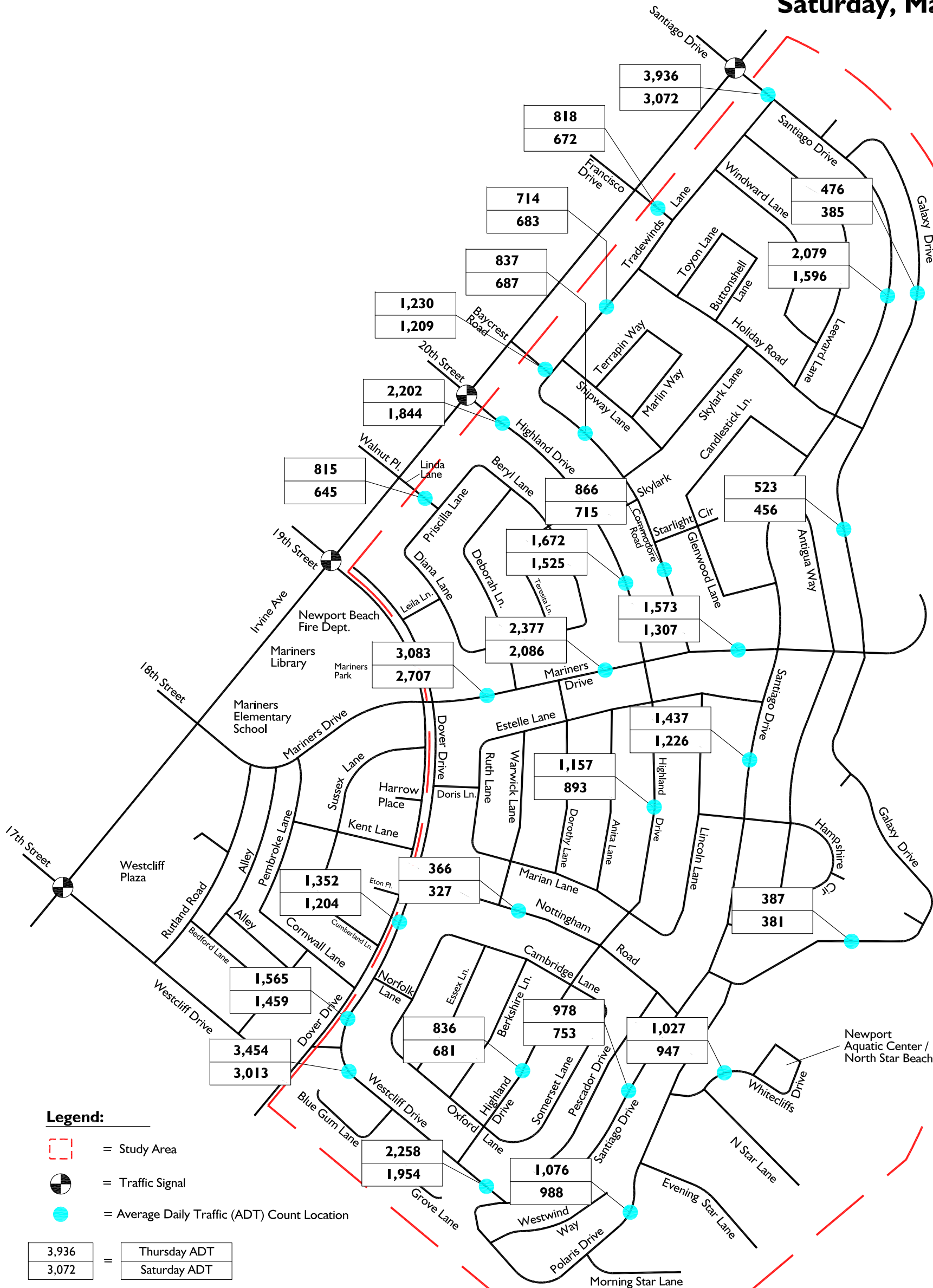
Speed surveys for a 24-hour period were collected on a typical Thursday and a typical Saturday, with the results depicted in Exhibits G-1 and G-2, respectively.

Additionally, Tables 2-A and 2-B show a detailed summary of the speed surveys for Thursday and Saturday conditions, respectively.

Based on the *Council Policy L-26*, any tabulation of 85th percentile speeds equal or greater than 32 mph would be reviewed in more detail, and this was identified at several locations within the Dover Shores and Mariners communities.

Based on the results of the speed data, this data is consistent with the residents who expressed concern over traffic speeds in certain areas of the Dover Shores and Mariners communities. These locations received priority during the formulation of conceptual improvements for traffic calming applications, in accordance with *Council Policy L-26*.

Exhibit F
24-Hour Average Daily Traffic (ADT)
Thursday, February 7, 2019 and
Saturday, March 9, 2019



NOTE:

- Data obtained during typical conditions with dry roadways.
- Average Daily Traffic Counts at each location were collected in both directions.

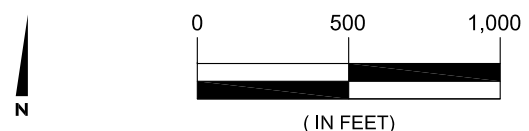
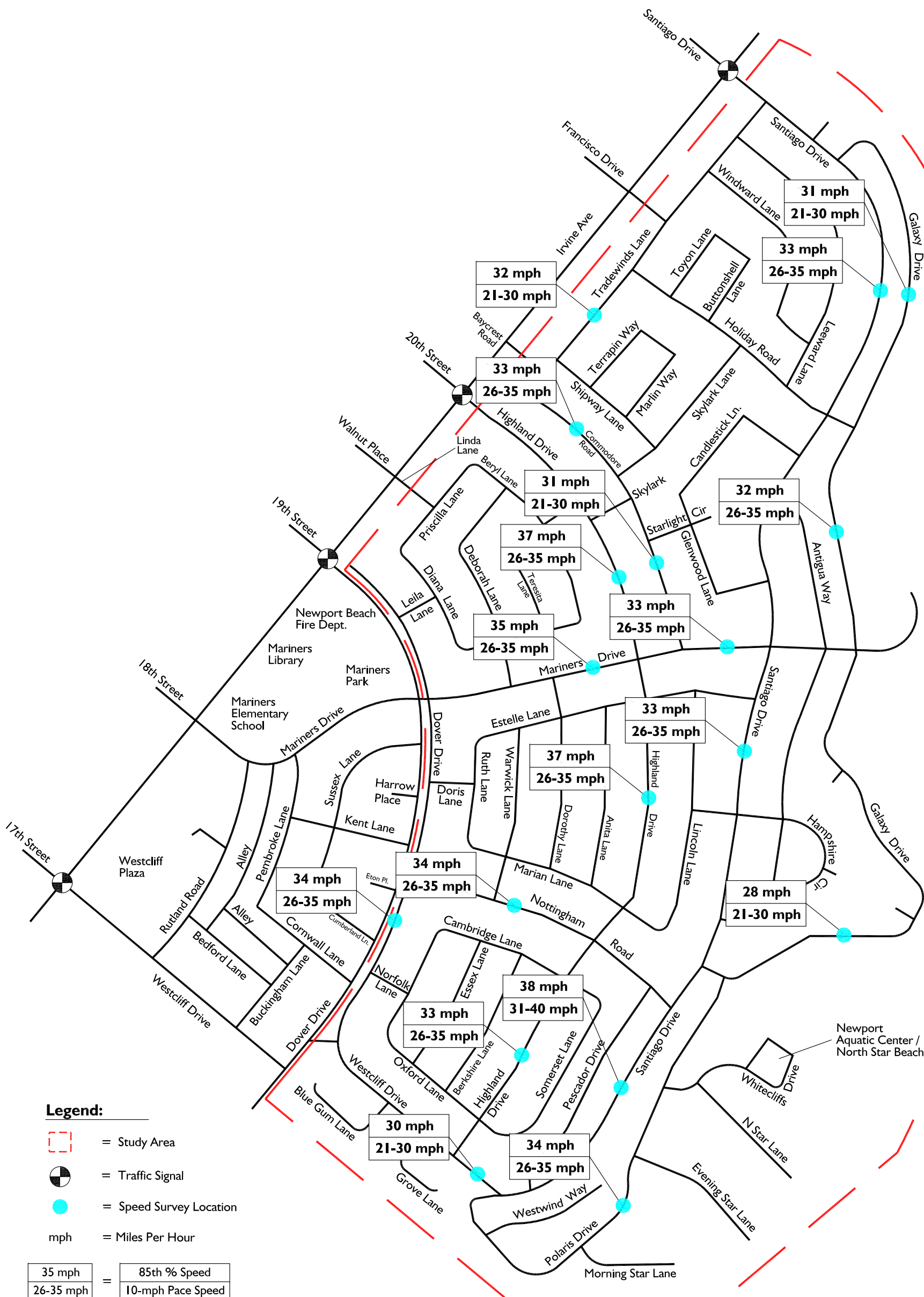


Exhibit G-I
24-Hour Speed Surveys
Thursday, February 7, 2019



Legend:

- = Study Area
- = Traffic Signal
- = Speed Survey Location
- mph = Miles Per Hour

35 mph	=	85th % Speed
26-35 mph	=	10-mph Pace Speed

NOTE:

- Data obtained during typical conditions with dry roadways.
- All roadways included in the study area are residential roadways with a posted speed limit of 25 mph.
- The 10-mph pace speed is the range of speed at which the majority of vehicles are traveling.

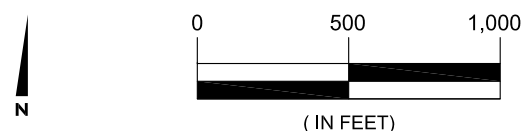
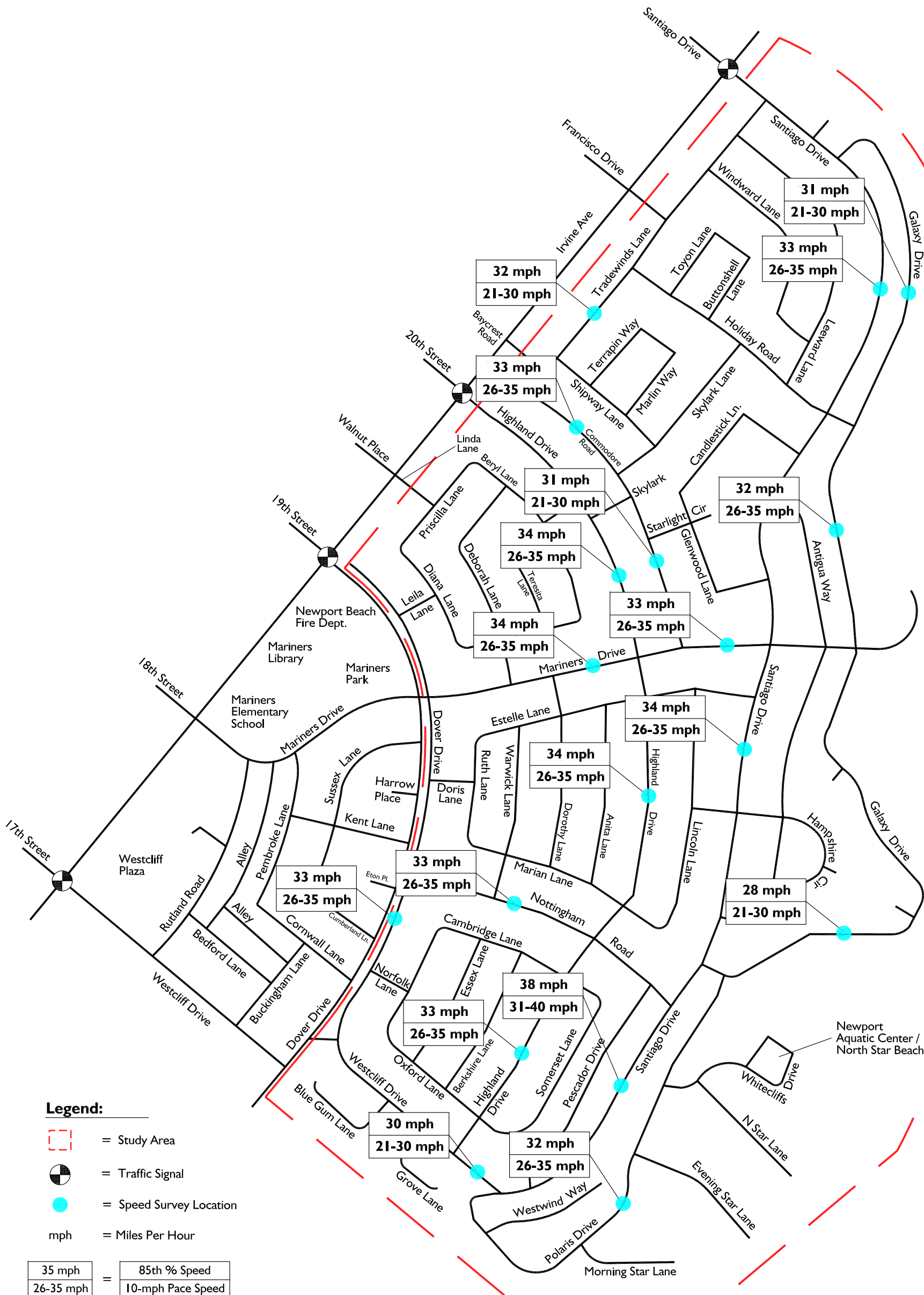


Exhibit G-2
24-Hour Speed Surveys
Saturday, March 9, 2019



NOTE:

- Data obtained during typical conditions with dry roadways.
- All roadways included in the study area are residential roadways with a posted speed limit of 25 mph.
- The 10-mph pace speed is the range of speed at which the majority of vehicles are traveling.

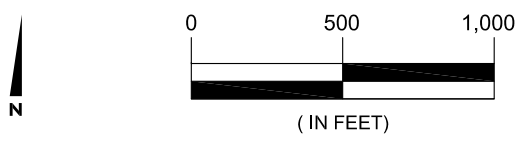


TABLE 2-A
Speed Survey Summary
Thursday, February 7, 2019

Location Number	Roadway Segment	ADT ¹	85th % Speed (mph)	10 mph Pace Speed	Speed Groups ²							
					0-25 mph		26-40 mph		41-55 mph		56+ mph	
1	Tradewinds Ln. e/o Shipway Ln.	714	32	21-30	290	41%	420	59%	4	1%	0	0%
2	Santiago Dr. n/o Holiday Rd.	2,079	33	26-35	416	20%	1,655	80%	8	0%	0	0%
3	Galaxy Dr. n/o Holiday Rd.	476	31	21-30	197	41%	279	59%	0	0%	0	0%
4	Commodore Rd. s/o Tradewinds Ln.	837	33	26-35	264	32%	566	68%	7	1%	0	0%
5	Highland Dr. n/o Mariners Dr.	1,672	37	26-35	199	12%	1,409	84%	63	4%	1	0%
6	Commodore Rd. n/o Mariners Dr.	866	31	21-30	294	34%	572	66%	0	0%	0	0%
7	Galaxy Dr. n/o Mariners Dr.	523	32	26-35	195	37%	328	63%	0	0%	0	0%
8	Mariners Dr. w/o Highland Dr.	2,377	35	26-35	335	14%	1,985	84%	57	2%	0	0%
9	Mariners Dr. w/o Santiago Dr.	1,573	33	26-35	310	20%	1,257	80%	6	0%	0	0%
10	Highland Dr. s/o Estelle Ln.	1,157	37	26-35	185	16%	902	78%	68	6%	2	0%
11	Santiago Dr. s/o Estelle Ln.	1,437	33	26-35	294	20%	1,126	78%	17	1%	0	0%
12	Dover Dr. s/o Nottingham Rd.	1,352	34	26-35	244	18%	1,095	81%	13	1%	0	0%
13	Nottingham Rd. e/o Warwick Ln.	366	34	26-35	95	26%	264	72%	7	2%	0	0%
14	Galaxy Dr. e/o Polaris Dr.	387	28	21-30	259	67%	128	33%	0	0%	0	0%
15	Highland Dr. s/o Cambridge Ln.	836	33	26-35	242	29%	583	70%	10	1%	1	0%
16	Santiago Dr. s/o Nottingham Rd.	978	38	31-40	147	15%	766	78%	65	7%	0	0%
17	Westcliff Dr. e/o Highland Dr.	2,258	30	21-30	770	34%	1,485	66%	3	0%	0	0%
18	Polaris Dr. s/o Evening Star Ln.	1,076	34	26-35	252	23%	809	75%	15	1%	0	0%

¹ ADT = Average Daily Traffic
² % = Percentage of Total ADT

TABLE 2-B
Speed Survey Summary
Saturday, March 9, 2019

Location Number	Roadway Segment	ADT ¹	85th % Speed (mph)	10 mph Pace Speed	Speed Groups ²							
					0-25 mph		26-40 mph		41-55 mph		56+ mph	
1	Tradewinds Ln. e/o Shipway Ln.	683	32	21-30	254	37%	424	62%	5	1%	0	0%
2	Santiago Dr. n/o Holiday Rd.	1,596	33	26-35	337	21%	1,248	78%	10	1%	1	0%
3	Galaxy Dr. n/o Holiday Rd.	385	31	21-30	167	43%	218	57%	0	0%	0	0%
4	Commodore Rd. s/o Tradewinds Ln.	687	33	26-35	210	31%	470	68%	7	1%	0	0%
5	Highland Dr. n/o Mariners Dr.	1,525	34	26-35	403	26%	1,102	72%	20	1%	0	0%
6	Commodore Rd. n/o Mariners Dr.	715	31	21-30	217	30%	498	70%	0	0%	0	0%
7	Galaxy Dr. n/o Mariners Dr.	456	32	26-35	180	39%	273	60%	3	1%	0	0%
8	Mariners Dr. w/o Highland Dr.	2,086	34	26-35	400	19%	1,646	79%	39	2%	1	0%
9	Mariners Dr. w/o Santiago Dr.	1,307	33	26-35	276	21%	1,018	78%	13	1%	0	0%
10	Highland Dr. s/o Estelle Ln.	893	34	26-35	206	23%	670	75%	17	2%	0	0%
11	Santiago Dr. s/o Estelle Ln.	1,226	34	26-35	266	22%	927	76%	33	3%	0	0%
12	Dover Dr. s/o Nottingham Rd.	1,204	33	26-35	293	24%	901	75%	10	1%	0	0%
13	Nottingham Rd. e/o Warwick Ln.	327	33	26-35	128	39%	198	61%	1	0%	0	0%
14	Galaxy Dr. e/o Polaris Dr.	381	28	21-30	242	64%	139	36%	0	0%	0	0%
15	Highland Dr. s/o Cambridge Ln.	681	33	26-35	191	28%	485	71%	5	1%	0	0%
16	Santiago Dr. s/o Nottingham Rd.	753	38	31-40	91	12%	610	81%	52	7%	0	0%
17	Westcliff Dr. e/o Highland Dr.	1,954	30	21-30	679	35%	1,273	65%	2	0%	0	0%
18	Polaris Dr. s/o Evening Star Ln.	988	32	26-35	307	31%	678	69%	3	0%	0	0%

¹ ADT = Average Daily Traffic

² % = Percentage of Total ADT

Comprehensive data pertaining to ADT and speed surveys can be found in Appendices E-1 (Thursday) and E-2 (Saturday).

7.6 Peak Hour Traffic Associated with the Newport Aquatic Center

Traffic associated with the Newport Aquatic Center (NAC) was counted by way of license plate surveys during peak hours in order to ascertain both the overall traffic volume and the route(s) through the communities. Surveys were taken during three (3) time periods, each deemed to be the best combination of the peak times of NAC activity and peak times of ambient neighborhood traffic: 7:00 to 9:00 AM and 4:00 to 6:00 PM on Thursday, February 7, and 6:00 to 9:00 AM on Saturday, March 9.

Exhibits H-1 and H-2 show the NAC trip contribution within the Dover Shores and Mariners communities for Thursday and Saturday conditions, respectively.

Additionally, Tables 3-A and 3-B show a detailed summary of the NAC trip contribution for Thursday and Saturday conditions, respectively.

In summary, The NAC was associated with an average trip contribution rate of 1 trip (origin or destination) every 1½ to 2 minutes during Thursday peak hours, and 1 trip every 45 seconds during the Saturday morning peak hour. The two (2) most common places to enter and/or exit the communities were at the intersections of Dover/Westcliff and Irvine/Santiago. It is important to note that any vehicular trips associated with the NAC are viewed as either home/work trips (i.e., for staff) or those generated by the nature of NAC's recreational use, and thus were not categorized as cut-through trips. This is another way of concluding that trips with an origin/destination within the community are, by definition, not cut-through in nature.

7.7 Cut-Through Traffic

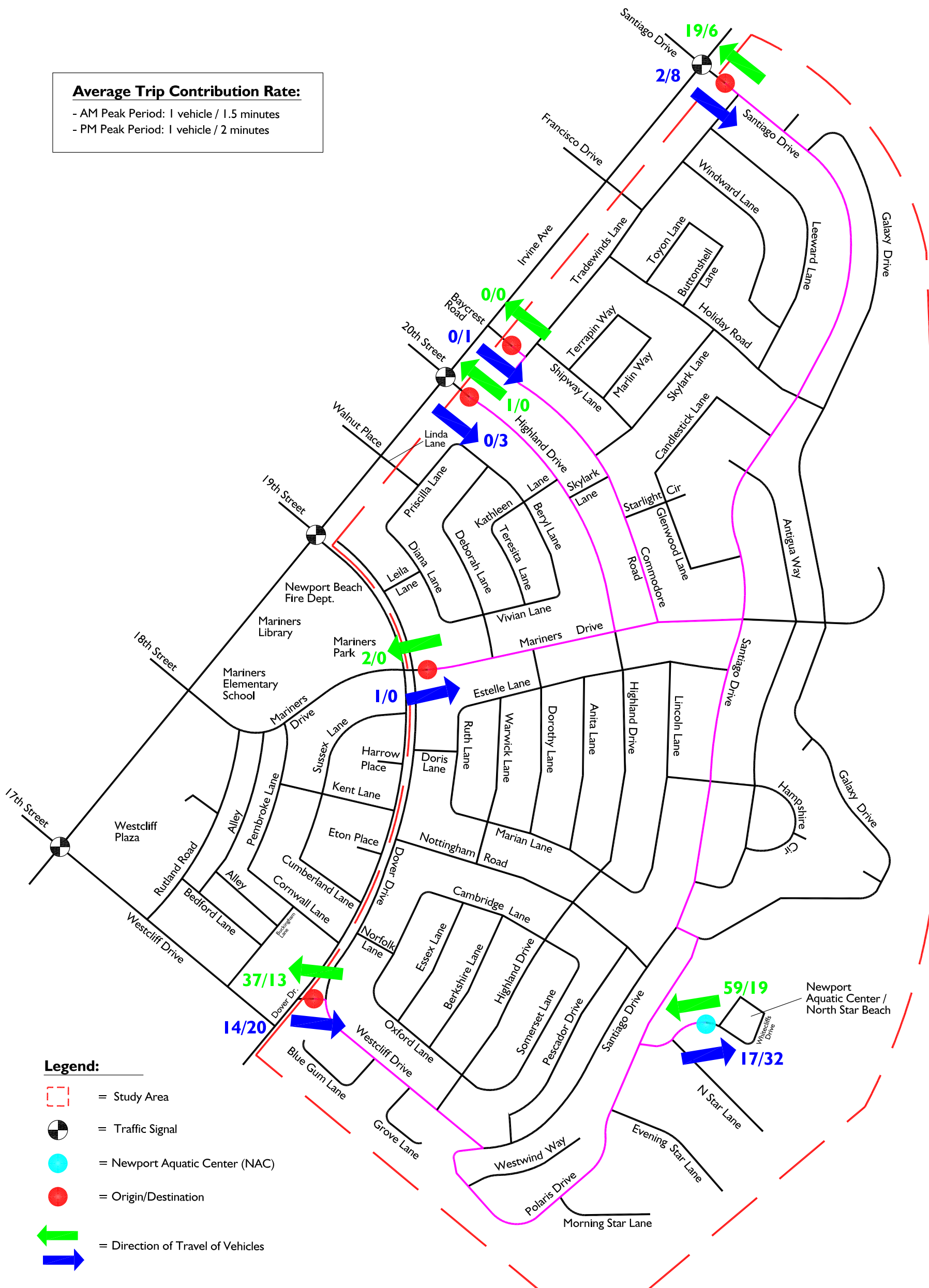
A cut-through trip is defined as any which does not have neither an origin nor destination within the communities of Dover Shores and Mariners. Observations were made at key intersections bordering the study area using a methodology whereby the last four (4) characters of every license plate were recorded, along with the exact time. The plates were then matched to find the number of vehicles which entered, then exited the study area within a three-minute window (any duration longer than three minutes was not counted as a cut-through because this indicated that there was probably a legitimate stop along the way). It should be noted that the number of cut-through trips was likely to be slightly over-counted due to the possibility of, for example, a delivery by a UPS driver or carpool pickup that was done quickly.

Using the same three (3) survey time periods that applied to the study of NAC traffic, it was determined that the volume of cut-through traffic amounted to a very small percentage of overall traffic volume in the communities, and translated to an

Newport Aquatic Center (NAC) Trip Contribution Thursday, February 7, 2019

Average Trip Contribution Rate:

- AM Peak Period: 1 vehicle / 1.5 minutes
- PM Peak Period: 1 vehicle / 2 minutes



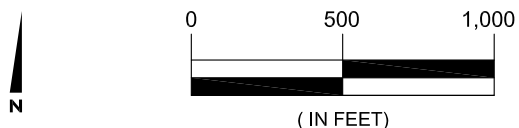
Legend:

- = Study Area
- = Traffic Signal
- = Newport Aquatic Center (NAC)
- = Origin/Destination
- = Direction of Travel of Vehicles
- = Direction of Travel of Vehicles

59/19 = Number of Vehicles in AM/PM Peak Period

NOTE:

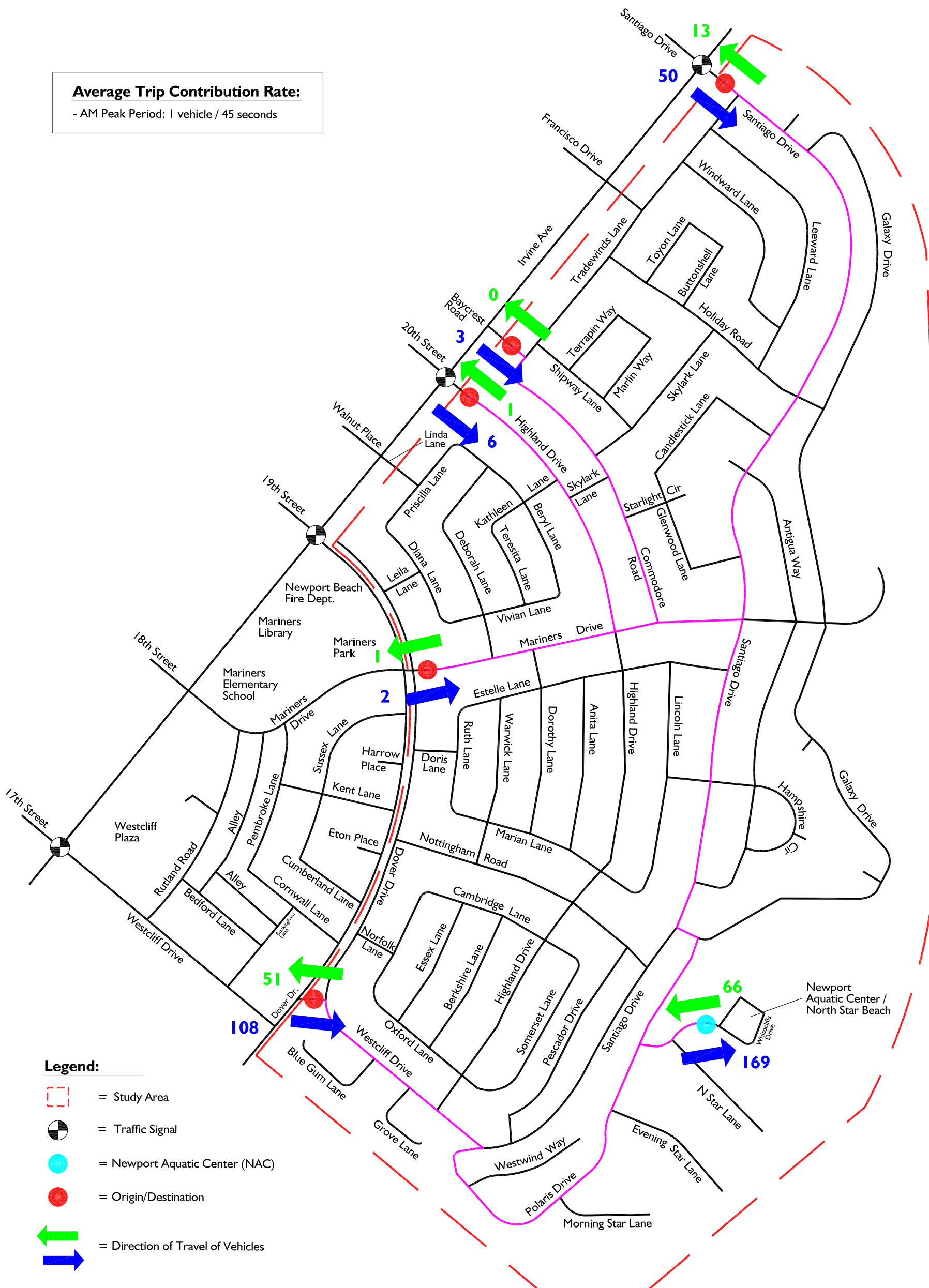
- Data obtained during typical conditions with dry roadways.
- AM peak period is 7:00 AM to 9:00 AM and PM peak period is 4:00 PM to 6:00 PM.



Newport Aquatic Center (NAC) Trip Contribution Saturday, March 9, 2019

Average Trip Contribution Rate:

- AM Peak Period: 1 vehicle / 45 seconds



Legend:

- = Study Area
- = Traffic Signal
- = Newport Aquatic Center (NAC)
- = Origin/Destination
- = Direction of Travel of Vehicles
- = Number of Vehicles in AM Peak Period

NOTE:
 - Data obtained during typical conditions with dry roadways.
 - AM peak period is 6:00 AM to 9:00 AM.



TABLE 3-A
Newport Aquatic Center (NAC) Trip Contribution Summary
Thursday, February 7, 2019

Route Number	Origin	Destination	AM Peak Period (7:00 AM to 9:00 AM)			PM Peak Period (4:00 PM to 6:00 PM)		
			Number of Vehicles Leaving NAC	Number of Vehicles Reaching Destination	Route Percentage	Number of Vehicles Leaving NAC	Number of Vehicles Reaching Destination	Route Percentage
From Newport Aquatic Center								
1	Newport Aquatic Center	Santiago Drive e/o Irvine Avenue	59	19	32%	19	6	32%
2	Newport Aquatic Center	Baycrest Road e/o Irvine Avenue		0	0%		0	0%
3	Newport Aquatic Center	Highland Drive e/o Irvine Avenue		1	2%		0	0%
4	Newport Aquatic Center	Mariners Drive e/o Dover Drive		2	3%		0	0%
5	Newport Aquatic Center	Dover Drive w/o Westcliff Drive		37	63%		13	68%
Route Number	Origin	Destination	AM Peak Period (7:00 AM to 9:00 AM)			PM Peak Period (4:00 PM to 6:00 PM)		
			Number of Vehicles Entering Origin	Number of Vehicles Reaching NAC	Route Percentage	Number of Vehicles Entering Origin	Number of Vehicles Reaching NAC	Route Percentage
To Newport Aquatic Center								
6	Santiago Drive e/o Irvine Avenue	Newport Aquatic Center	2	17	12%	8	32	25%
7	Baycrest Road e/o Irvine Avenue	Newport Aquatic Center	0		0%	1		3%
8	Highland Drive e/o Irvine Avenue	Newport Aquatic Center	0		0%	3		9%
9	Mariners Drive e/o Dover Drive	Newport Aquatic Center	1		6%	0		0%
10	Dover Drive w/o Westcliff Drive	Newport Aquatic Center	14		82%	20		63%
Average Trip Contribution Rate			1 vehicle / 1.5 minutes			1 vehicle / 2 minutes		

TABLE 3-B
Newport Aquatic Center (NAC) Trip Contribution Summary
Saturday, March 9, 2019

Route Number	Origin	Destination	AM Peak Period (6:00 AM to 9:00 AM)		
			Number of Vehicles Leaving NAC	Number of Vehicles Reaching Destination	Route Percentage
From Newport Aquatic Center					
1	Newport Aquatic Center	Santiago Drive e/o Irvine Avenue	66	13	20%
2	Newport Aquatic Center	Baycrest Road e/o Irvine Avenue		0	0%
3	Newport Aquatic Center	Highland Drive e/o Irvine Avenue		1	2%
4	Newport Aquatic Center	Mariners Drive e/o Dover Drive		1	2%
5	Newport Aquatic Center	Dover Drive w/o Westcliff Drive		51	77%
Route Number	Origin	Destination	AM Peak Period (6:00 AM to 9:00 AM)		
			Number of Vehicles Entering Origin	Number of Vehicles Reaching NAC	Route Percentage
To Newport Aquatic Center					
6	Santiago Drive e/o Irvine Avenue	Newport Aquatic Center	50	169	30%
7	Baycrest Road e/o Irvine Avenue	Newport Aquatic Center	3		2%
8	Highland Drive e/o Irvine Avenue	Newport Aquatic Center	6		4%
9	Mariners Drive e/o Dover Drive	Newport Aquatic Center	2		1%
10	Dover Drive w/o Westcliff Drive	Newport Aquatic Center	108		64%
Average Trip Contribution Rate			1 vehicle / 45 seconds		

average cut-through rate with a range of between 1 trip every 3 to 4 minutes during the Thursday peak hours throughout the entire community. Exhibit I-1 shows the exact number of cut-through trips counted during the survey period, as well as the locations. Exhibit I-2 presents the same data for the Saturday morning peak hour, with the average cut-through rate translating to 1 trip every 18 minutes. Based on the evaluation, RK concludes that cut-through traffic is of a volume so low as not to create a discernable negative impact on the community.

Tables 4-A and 4-B show a detailed summary of the cut-through traffic for Thursday and Saturday conditions, respectively.

7.8 Discussion of Navigation Apps

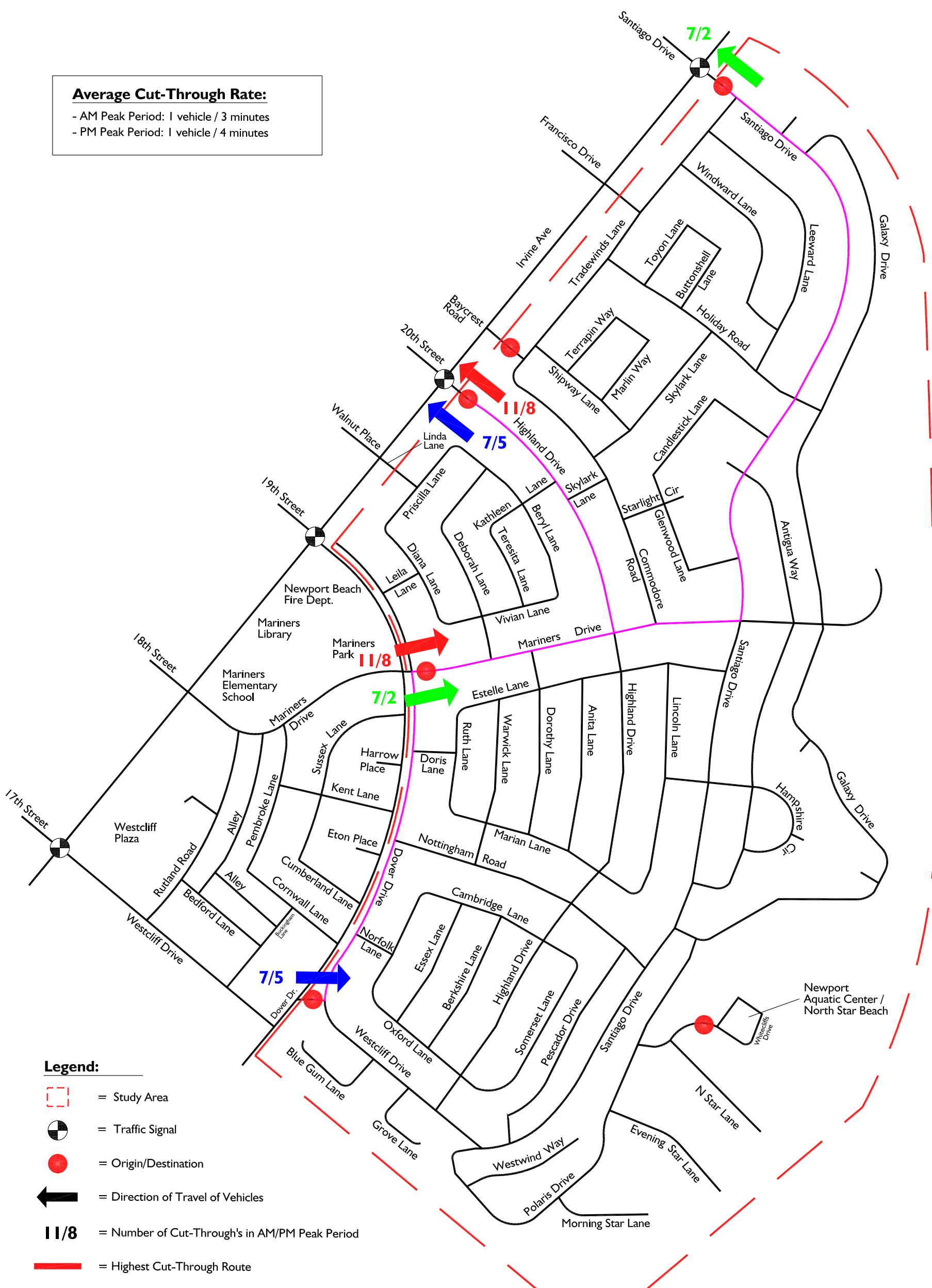
The incidence of cut-through traffic is more and more influenced nowadays by the use of navigation apps by motorists. Navigation (or “routing”) apps are used by GPS-enabled smartphone owners to ascertain the quickest driving routes between two points. One of the most commonly used is WAZE, originally developed in Israel then bought by Google in 2013. According to the company, its goal is to help drivers “outsmart” traffic by routing them along public roadways with the most efficient traffic flow (i.e., least overall delay). The algorithm WAZE and other apps use for optimizing travel routes is determined by a combination of real-time roadway speeds and driving condition input from nearby users, which augments baseline data consisting of roadway classification, traffic flow constraints (e.g., one-way streets or turn prohibitions) and closures. Other examples of routing apps are Apple Maps, Google Maps, INRIX and proprietary systems devised by ridesharing companies such as Uber and Lyft.

As the number of users who rely on navigation apps increases, motorists are directed more frequently to less crowded streets which, in some cases, are local roadways that have become *de facto* cut-through routes. In many places across the country, both city officials and residents have cited navigation app providers as creating a local traffic flow scenario that is detrimental to its communities from a “quality of life” standpoint. Companies providing navigation apps have taken the position that public streets are, by definition, open for use by any motorist and that spreading traffic across the roadway network as evenly as possible is beneficial for everyone.

While declining to alter traffic flow algorithms to appease local interests, companies have agreed to exchange information toward a mutually beneficial goal of reduced traffic diversion. Two (2) examples of this are:

- (1) WAZE has allowed traffic engineering staff at local agencies to access its traffic congestion data to assist in timing traffic lights, with the rationale being that better signal coordination will produce less traffic diversion off of the primary roadways.

Average Cut-Through Rate:
 - AM Peak Period: 1 vehicle / 3 minutes
 - PM Peak Period: 1 vehicle / 4 minutes



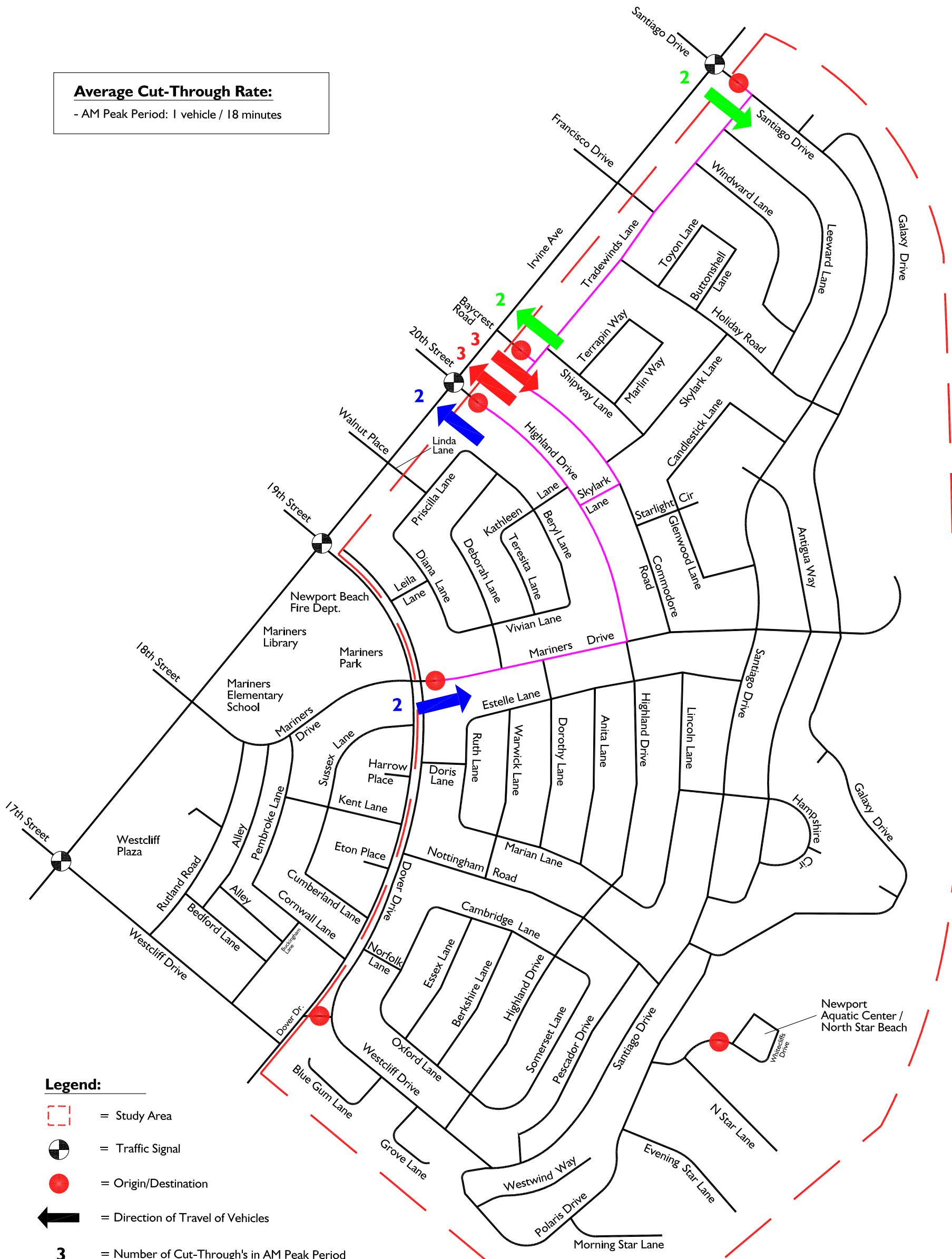
- Legend:**
- = Study Area
 - = Traffic Signal
 - = Origin/Destination
 - = Direction of Travel of Vehicles
 - 11/8** = Number of Cut-Through's in AM/PM Peak Period
 - = Highest Cut-Through Route
 - = Second Highest Cut-Through Route
 - = Third Highest Cut-Through Route

NOTE:
 - Data obtained during typical conditions with dry roadways.
 - AM peak period is 7:00 AM to 9:00 AM and PM peak period is 4:00 PM to 6:00 PM.



Exhibit I-2
Cut-Through Surveys
Saturday, March 9, 2019

Average Cut-Through Rate:
 - AM Peak Period: 1 vehicle / 18 minutes



Legend:

- = Study Area
- = Traffic Signal
- = Origin/Destination
- = Direction of Travel of Vehicles
- 3** = Number of Cut-Through's in AM Peak Period
- = Highest Cut-Through Route
- = Second Highest Cut-Through Route
- = Third Highest Cut-Through Route

NOTE:
 - Data obtained during typical conditions with dry roadways.
 - AM peak period is 6:00 AM to 9:00 AM.

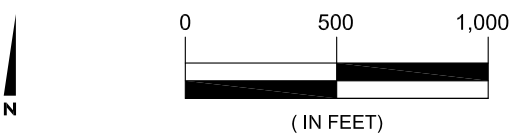


TABLE 4-A
Cut-Through Summary¹
Thursday, February 7, 2019

Route Number	Origin	Destination	AM Peak Period (7:00 AM to 9:00 AM)			PM Peak Period (4:00 PM to 6:00 PM)		
			Number of Vehicles Traveling Route	Total Number of Cut-Through's	Cut-Through Percentage by Route	Number of Vehicles Traveling Route	Total Number of Cut-Through's	Cut-Through Percentage by Route
1	Santiago Drive e/o Irvine Avenue	Baycrest Road e/o Irvine Avenue	1	41	2%	1	31	3%
2	Santiago Drive e/o Irvine Avenue	Highland Drive e/o Irvine Avenue	0		0%	0		0%
3	Santiago Drive e/o Irvine Avenue	Mariners Drive e/o Dover Drive	4		10%	1		3%
4	Santiago Drive e/o Irvine Avenue	Dover Drive w/o Westcliff Drive	0		0%	0		0%
5	Baycrest Road e/o Irvine Avenue	Santiago Drive e/o Irvine Avenue	0		0%	0		0%
6	Baycrest Road e/o Irvine Avenue	Highland Drive e/o Irvine Avenue	0		0%	2		6%
7	Baycrest Road e/o Irvine Avenue	Mariners Drive e/o Dover Drive	1		2%	0		0%
8	Baycrest Road e/o Irvine Avenue	Dover Drive w/o Westcliff Drive	0		0%	0		0%
9	Highland Drive e/o Irvine Avenue	Santiago Drive e/o Irvine Avenue	0		0%	2		6%
10	Highland Drive e/o Irvine Avenue	Baycrest Road e/o Irvine Avenue	0		0%	2		6%
11	Highland Drive e/o Irvine Avenue	Mariners Drive e/o Dover Drive	7		17%	2		6%
12	Highland Drive e/o Irvine Avenue	Dover Drive w/o Westcliff Drive	2		5%	3		10%
13	Mariners Drive e/o Dover Drive	Santiago Drive e/o Irvine Avenue	7		17%	2		6%
14	Mariners Drive e/o Dover Drive	Baycrest Road e/o Irvine Avenue	0		0%	1		3%
15	Mariners Drive e/o Dover Drive	Highland Drive e/o Irvine Avenue	11		27%	8		26%
16	Mariners Drive e/o Dover Drive	Dover Drive w/o Westcliff Drive	0		0%	1		3%
17	Dover Drive w/o Westcliff Drive	Santiago Drive e/o Irvine Avenue	0		0%	0		0%
18	Dover Drive w/o Westcliff Drive	Baycrest Road e/o Irvine Avenue	0		0%	0		0%
19	Dover Drive w/o Westcliff Drive	Highland Drive e/o Irvine Avenue	7		17%	5		16%
20	Dover Drive w/o Westcliff Drive	Mariners Drive e/o Dover Drive	1		2%	1		3%
Total Number of Vehicles Inbound					829		1,211	
Total Cut-Through Percentage					5%		3%	
Community-Wide Average Cut-Through Rate					1 vehicle / 3 minutes		1 vehicle / 4 minutes	

¹ A threshold of three (3) minutes was used as the maximum amount of time allotted for a vehicle to travel each route in order for that trip to count as a cut-through.

TABLE 4-B
Cut-Through Summary¹
Saturday, March 9, 2019

Route Number	Origin	Destination	AM Peak Period (6:00 AM to 9:00 AM)		
			Number of Vehicles Traveling Route	Total Number of Cut-Through's	Cut-Through Percentage by Route
1	Santiago Drive e/o Irvine Avenue	Baycrest Road e/o Irvine Avenue	2	11	18%
2	Santiago Drive e/o Irvine Avenue	Highland Drive e/o Irvine Avenue	0		0%
3	Santiago Drive e/o Irvine Avenue	Mariners Drive e/o Dover Drive	1		9%
4	Santiago Drive e/o Irvine Avenue	Dover Drive w/o Westcliff Drive	0		0%
5	Baycrest Road e/o Irvine Avenue	Santiago Drive e/o Irvine Avenue	0		0%
6	Baycrest Road e/o Irvine Avenue	Highland Drive e/o Irvine Avenue	3		27%
7	Baycrest Road e/o Irvine Avenue	Mariners Drive e/o Dover Drive	0		0%
8	Baycrest Road e/o Irvine Avenue	Dover Drive w/o Westcliff Drive	0		0%
9	Highland Drive e/o Irvine Avenue	Santiago Drive e/o Irvine Avenue	0		0%
10	Highland Drive e/o Irvine Avenue	Baycrest Road e/o Irvine Avenue	0		0%
11	Highland Drive e/o Irvine Avenue	Mariners Drive e/o Dover Drive	1		9%
12	Highland Drive e/o Irvine Avenue	Dover Drive w/o Westcliff Drive	0		0%
13	Mariners Drive e/o Dover Drive	Santiago Drive e/o Irvine Avenue	1		9%
14	Mariners Drive e/o Dover Drive	Baycrest Road e/o Irvine Avenue	1		9%
15	Mariners Drive e/o Dover Drive	Highland Drive e/o Irvine Avenue	2		18%
16	Mariners Drive e/o Dover Drive	Dover Drive w/o Westcliff Drive	0		0%
17	Dover Drive w/o Westcliff Drive	Santiago Drive e/o Irvine Avenue	0		0%
18	Dover Drive w/o Westcliff Drive	Baycrest Road e/o Irvine Avenue	0		0%
19	Dover Drive w/o Westcliff Drive	Highland Drive e/o Irvine Avenue	0		0%
20	Dover Drive w/o Westcliff Drive	Mariners Drive e/o Dover Drive	0		0%
Total Number of Vehicles Inbound			651		
Total Cut-Through Percentage			2%		
Community-Wide Average Cut-Through Rate			1 vehicle / 18 minutes		

¹ A threshold of three (3) minutes was used as the maximum amount of time allotted for a vehicle to travel each route in order for that trip to count as a cut-through.

- (2) Residents and city officials have teamed up to work with the major apps to deemphasize local streets as favored driving routes, with the most common tactic being the implementation of turn prohibitions during peak hours.

Additional alternatives, albeit more intensive, are to physically alter the traffic carrying capability and/or circulation alternatives by: (a) intersection closure, (b) lane removal, and (c) downward speed zoning by, for example, narrowing driving lanes and/or adding curb parking.

7.9 Navigation App Considerations in this Study / Conclusion

In discussions with City staff and residents within the study area, RK recognizes that cut-through traffic could potentially be meaningfully influenced by navigation apps.

For the purposes of quantifying cut-through traffic impact that was influenced by navigation apps, RK sought to ascertain: (1) the level to which the apps were sending traffic into the study area, and (2) the most common traffic diversion routes. Several navigation apps were employed by field technicians on multiple occasions during the week – during several survey periods that matched the cut-through studies – whereby drivers adhered to a typical commute route on the major arterials (Irvine Avenue and Westcliff Drive) during peak hours. **The apps were activated in all instances – during both morning and afternoon commute times – with the result being that no diversion into the Dover Shores and Mariners neighborhoods was ever directed by the apps as a recommended travel route.** In other words, during the evaluation process the navigation apps calculated no time savings from any cut-through route and thus had no reason to send drivers off the main arterials into the residence districts. This evaluation confirms the above conclusion that cut-through traffic was negligible throughout the Dover Shores and Mariners neighborhoods.

8.0 Traffic Calming Measures

8.1 Introduction

In emphasizing the need to adhere to the City of Newport Beach’s *Council Policy L-26*, RK continued beyond the Level 1 tools (e.g., neighborhood meetings, temporary speed radar trailers, etc.) to take a closer look at conceptual physical improvements that fall under the category of “traffic calming” measures commonly implemented in residential neighborhoods.

“Traffic calming” is an area of neighborhood traffic engineering that is focused primarily on operational aspects and secondarily on design. That is, driver awareness and behavior are of prime importance, with the goal being to reduce speeds and

decrease the likelihood of all types of traffic collisions within a given residence district.

8.2 Conceptual Improvements

Council Policy L-26 identifies the following as “Level 2 Tools” (complete listing): road narrowing, striping modifications, chokers, raised medians, gateways, neighborhood traffic circles, landscaping, speed bumps, speed tables, speed cushions and intersection channelization. Of the above, RK and City of Newport Beach staff have determined that the following would be worthy of consideration for implementation in the Dover Shores and Mariners neighborhoods:

- Striping modifications: this technique employs: (1) edgeline striping to effectively narrow the traveled way without having to make physical modifications to the roadway surface or curb location, and (2) striped “bulb-outs” at intersections with no traffic control to better channelize turning movements and overall traffic flow through intersections. These techniques can help reduce vehicle travel speeds.
- Speed cushions: these are vertical changes to the traveled way that incorporate an improved design modification to common speeds humps or bumps. A speed cushion is configured such that gaps are created between rises in the pavement in order to allow emergency response vehicles to proceed along a street without having to stop. Typical passenger vehicles – having shorter axles – would have to slow in order to safely traverse the cushions, which actually resemble a cushion more than a continuous (curb-to-curb) hump. Speed cushions have been accepted by many emergency service agencies.

Shown in Table 5 is a matrix presenting the relationship between the collected ADT and speed data and the *Council Policy L-26* Level 2 Tools Criteria. It can be seen which roadway segments would be suitable (or not) for applying conceptual improvements.

Exhibit J depicts all locations identified for conceptual improvements within the Dover Shores and Mariners neighborhoods. The exhibit legend differentiates between existing and proposed striping, as well as approximate proposed locations of speed cushions.

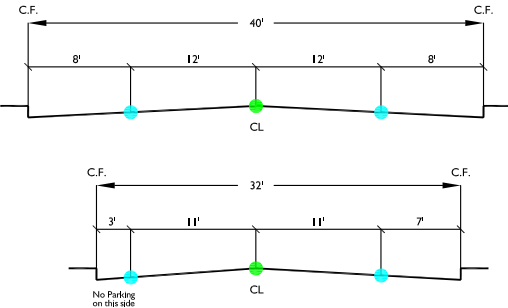
It is important to note that the proposed locations of speed cushions reflect the two aforementioned elements of ADT volume and observed speeds over the data collection periods. Also, speed cushions are most effective when they are placed in series over consecutive street segments on a continuous roadway. As seen in Exhibit J, this is supported by the number of proposed speed cushions on Santiago Drive and Highland Drive.

Area-Wide Preliminary Conceptual Improvements Based on Council Policy L-26

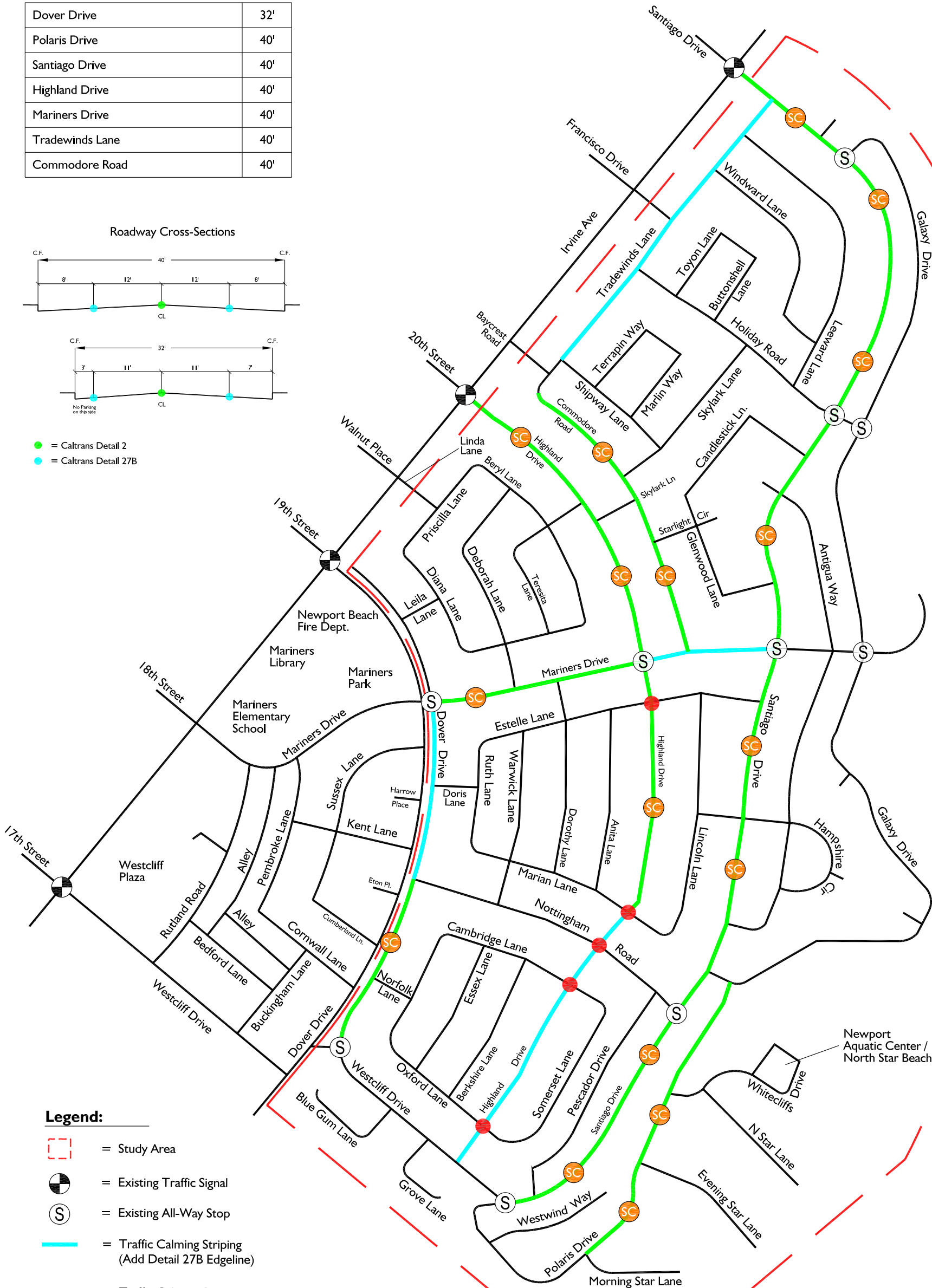
Roadway Widths

Dover Drive	32'
Polaris Drive	40'
Santiago Drive	40'
Highland Drive	40'
Mariners Drive	40'
Tradewinds Lane	40'
Commodore Road	40'

Roadway Cross-Sections

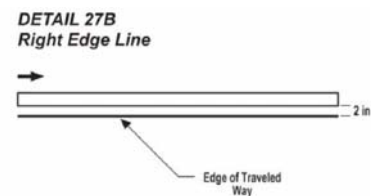


- = Caltrans Detail 2
- = Caltrans Detail 27B



Legend:

- = Study Area
- = Existing Traffic Signal
- = Existing All-Way Stop
- = Traffic Calming Striping (Add Detail 27B Edgeline)
- = Traffic Calming Striping and Raised Features
- = Approximate Location of Speed Cushion
- = Striped Bulbouts



NOTE:
- See Table 5 for compliance with the Council Policy L-26 Level 2 Tools Criteria.

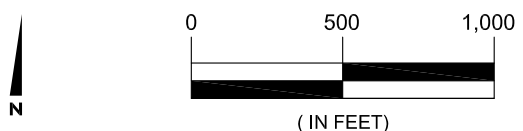


TABLE 5
Council Policy L-26 Level 2 Tools Criteria

Location Number	Roadway Segment	Average Daily Traffic	85th % Speed (mph)	L-26 Level 2 Tools Criteria ¹						Consider
				1. Segment Length	2. Volume	3. 85th % Speed	4. Grade and Alignment	CITY TRAFFIC ENGINEER		
								5. Does not Divert Traffic	6. Does not Impact Public Safety Response Times	
1	Tradewinds Ln. e/o Shipway Ln.	714	32	✓	✓	✓	✓	✓		YES
2	Santiago Dr. n/o Holiday Rd.	2,079	33	✓	✓	✓	✓	✓		YES
3	Galaxy Dr. n/o Holiday Rd.	476	31	✓	NO	NO	✓	NO		NO
4	Commodore Rd. s/o Tradewinds Ln.	837	33	✓	✓	✓	✓	*		YES
5	Highland Dr. n/o Mariners Dr.	1,672	37	✓	✓	✓	✓	*		YES
6	Commodore Rd. n/o Mariners Dr.	866	31	✓	✓	NO	✓	*		YES
7	Galaxy Dr. n/o Mariners Dr.	523	32	✓	✓	✓	✓	NO		NO
8	Mariners Dr. w/o Highland Dr.	2,377	35	✓	✓	✓	✓	✓		YES
9	Mariners Dr. w/o Santiago Dr.	1,573	33	✓	✓	✓	✓	✓		YES
10	Highland Dr. s/o Estelle Ln.	1,157	37	✓	✓	✓	✓	✓		YES
11	Santiago Dr. s/o Estelle Ln.	1,437	33	✓	✓	✓	✓	✓		YES
12	Dover Dr. s/o Nottingham Rd.	1,352	34	✓	✓	✓	✓	✓		YES
13	Nottingham Rd. e/o Warwick Ln.	366	34	✓	NO	✓	✓	NO		NO
14	Galaxy Dr. e/o Polaris Dr.	387	28	✓	NO	NO	✓	NO		NO
15	Highland Dr. s/o Cambridge Ln.	836	33	✓	✓	✓	✓	✓		YES
16	Santiago Dr. s/o Nottingham Rd.	978	38	✓	✓	✓	✓	✓		YES
17	Westcliff Dr. e/o Highland Dr.	2,258	30	✓	✓	NO	✓	NO		NO
18	Polaris Dr. s/o Evening Star Ln.	1,076	34	✓	✓	✓	✓	✓		YES

¹ Level 2 Tools are tools implemented by the City of Newport Beach *Council Policy L-26* to address speed concerns in residential streets. Such tools include road narrowing, striping modifications, chokers, raised medians, gateways, neighborhood traffic circles, landscaping, speed bumps, speed tables, speed cushions and intersection channelization. All 6 criteria must be met in order to implement Level 2 Tools, per roadway segment.
 ✓ = meets criteria; NO = does not meet criteria.

* Level 2 Tools recommended on Commodore Road because of potential for diversion of traffic from Highland Drive.

Council Policy L-26 (Rev. August 14, 2018)

1. The street segment shall be at least 800 feet in length, and have no intermediate STOP signs.	4. The street must have a sustained longitudinal grade of six percent (6%) or less. The street must have a horizontal and vertical alignment such that there is adequate sight distance, as determined by the City Traffic Engineer.
2. The two-way volume of traffic on the street shall be between 500 and 4,000 vehicles per day.	5. Level 2 measures shall not be installed if, in the opinion of the City Traffic Engineer, they shall result in excessive diversion of traffic to parallel local residential streets.
3. A speed survey must demonstrate that the eighty-five (85) percentile speed is equal to or greater than thirty-two (32) mph on a posted (or prima facie) twenty-five (25) mph street. Speeds above this threshold indicate a "demonstrated speed concern."	6. Proposed Level 2 measures shall be reviewed by the Police and Fire Departments for potential impacts to public safety response times.

Exhibits K-1 through K-12 illustrate in greater detail each of the segments within the study area where speed cushions are suggested, in accordance with the conceptual improvements Exhibit J.

In the case of speed cushions, more precise locations are suggested to produce vehicle slowing at more regular intervals between intersections. Ultimately, the primary consideration for locating speed cushions has to do with position relative to existing residential driveways.

Exhibit K-10 depicts examples of how “bulb-out” striping serves to keep vehicles farther from the corners, which both improves sight distance and reduces conflicts with parked vehicles. “Bulb-out” striping is suggested at a total of five (5) intersections along Highland Drive: Highland Drive at Estelle Lane, Marian Lane, Nottingham Road, Cambridge Lane, and Oxford Lane.

Exhibits L-1 and L-2 illustrate larger-scale design details for a typical speed cushion configuration on streets with widths of 40’ (i.e., Santiago Drive) and 32’ (i.e., Dover Drive), respectively. RK and City of Newport Beach staff met with Newport Beach Fire Department (NBFD) officials to scrutinize the design features of the cushions with the goal of verifying that emergency response vehicle delay would be negligible as a result of the favorable design. NBFD granted conceptual approval of the speed cushions based on the design parameters shown in these exhibits, as well as the locations shown in Exhibits K-1 through K-12.

In order to make speed cushions most effective in producing slower traffic speeds, they need to be augmented by signing and striping (also shown in Exhibits L-1 and L-2) that give notice to motorists:

- (1) An advance “warning” (black-on-yellow) sign posted approximately 100’ prior to each set of speed cushions from each approach;
- (2) White pavement legends saying BUMP AHEAD, starting approximately where the warning sign is posted; and
- (3) White “chevron” markings painted on each cushion to notify motorists of the exact location where slowing is required.

9.0 Third of Three Neighborhood Meetings, September 12, 2019

The third neighborhood meeting was held at City Hall on September 12, 2019, and was attended by twenty (20) residents from Dover Shores and Mariners, several whom attended both of the previous two (2) neighborhood meetings. As with the

other meetings, there were also staff from RK and Newport Beach Traffic Engineering in attendance. The PowerPoint presentation by RK for this neighborhood meeting is included in Appendix B-3.

In accordance with the objectives of the three-meeting series, this third community meeting summarized input from the homeowners and data collection presented at the previous two (2) meetings, and introduced the Preliminary Conceptual Improvements to the attendees.

9.1 Review

The first portion of the meeting reviewed the following items, details of which are contained in previous sections pertaining to the first and second neighborhood meetings:

- *Council Policy L-26*, which served as the foundation for dialog with the residents, data collection, and types of conceptual improvements.
- Two Town Hall Meetings, covering community input and the extensive data collection and findings by RK.
- Review of Existing Conditions
- Community Feedback
- Traffic Collision Reports
- Traffic Data Collection
 - ADT (Average Daily Traffic) (Weekday/Weekend)
 - 24-Hour Speed Surveys (Weekday/Weekday)
 - Origin/Destination (License Plate Surveys)

9.2 Traffic Calming Features

This was the initial opportunity to explain in detail the characteristics and functionality of traffic calming features that are open for consideration by *Council Policy L-26*. Two (2) common traffic calming treatments – with proposed locations – were introduced to the attendees: roadway striping and asphalt speed cushions.

Roadway Striping is implemented in the form of 6-inch white edge striping that serves to either narrow a roadway segments or form a “bulb-out” at the corners of an intersection. Each of these treatments serves to create the impression of a narrower traveled way from the view of the driver. The result is slower median residential traffic speeds in accordance with a constricted travel lane width.

Speed Cushions are one form of “vertical” traffic calming devices that are implemented by way of asphalt work to create a physical attenuator to traffic speeds. These devices are, literally, lumps in the pavement that encourage motorists to slow down, but that are designed with specific dimensions so as to cause no impedance to the travel of emergency response vehicles on the local streets. At each

location, four (4) cushions are installed and are delineated by: (1) white chevron stencils on each cushion; (2) BUMP AHEAD pavement text in advance (both directions) of each set of cushions; and (3) a warning sign, showing a symbol representation of a bump, in advance (both directions) of each set of cushions.

9.3 Locations for Conceptual Improvements

Roadway Striping is suggested for numerous roadway segments throughout the Dover Shores and Mariners communities, with a total linear footage of recommended striping amounting to approximately 42,000 feet. Intersection “bulb-outs” are envisioned at the Highland Drive intersections with Estelle Lane, Marian Lane, Nottingham Road, Cambridge Lane, and Oxford Lane.

Speed Cushions are suggested for installation at seventeen (17) locations, encompassing the street segments where the above average ambient traffic speeds were recorded:

- 8 on Santiago Drive
- 3 on Highland Drive
- 2 on Polaris Drive
- 2 on Commodore Road
- 1 on Mariners Drive
- 1 on Dover Drive

New signage corresponding to the speed cushion installations noted above would amount to thirty-four (34) warning (black-on-yellow) signs, one for each approach to each of the speed cushion locations

9.4 Council Policy L-26 Guidelines for Implementation

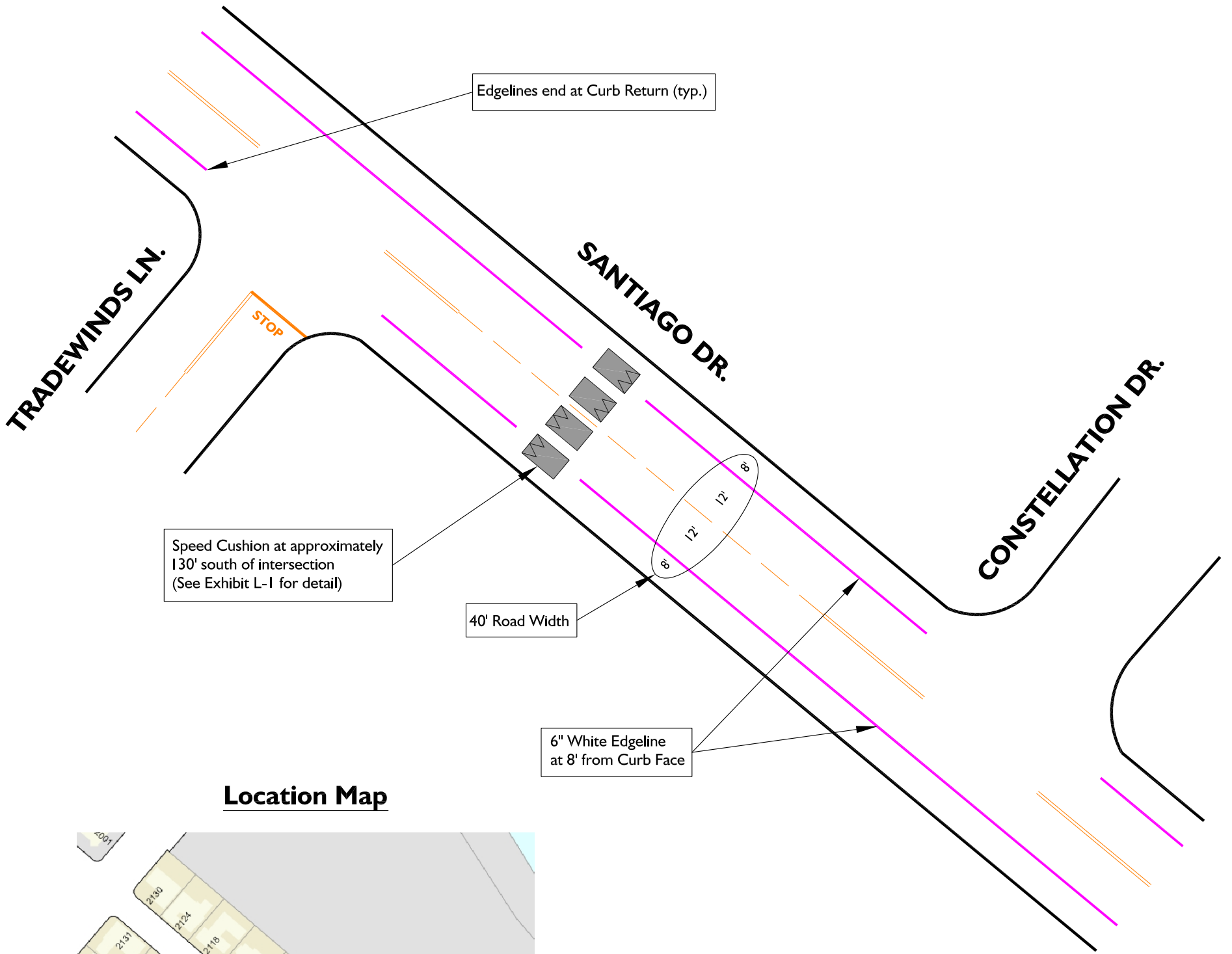
In terms of the process for implementing conceptual improvements, *Council Policy L-26* is very specific in terms of setting community approval parameters. The following is a list of steps, taken from the entire document, which can be found in Appendix A.

- E. Based upon resident input and staff analysis, a draft improvement plan shall be prepared and submitted to the residents together with an approved petition for signatures.
- F. A neighborhood representative shall be responsible for circulation of the petition and draft improvement plan. The petition shall be prepared by City staff together with the neighborhood representative, and shall be approved by the City Traffic Engineer prior to circulation. The City shall provide a map of the affected area and/or a listing of all affected addresses to the designated neighborhood representative. The petition should include only

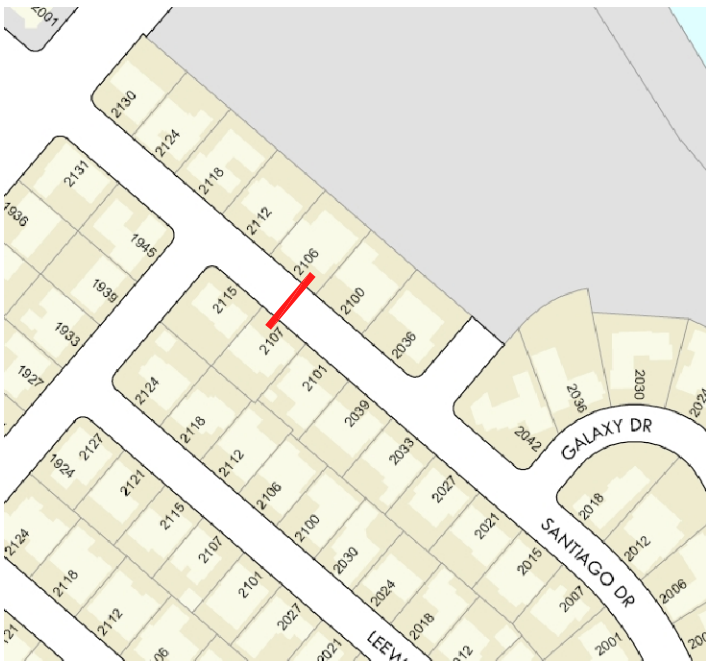
residences or businesses within the affected area. Person(s) circulating the petition shall attempt to obtain signatures from all affected residences or businesses that are either an owner or tenant and at least eighteen (18) years old. The petition must include the current address, printed name, and signature for person signing the petition. The petition requesting Level 2 or Level 3 traffic management measures must be supported by seventy percent (70%) of the total number of residential units/businesses. In the event that a traffic calming tool may increase traffic noise, one resident for each residence immediately adjacent to a proposed location of such traffic calming tool must sign the petition in favor of the draft improvement plan.

- G. If neighborhood support is demonstrated through the petition process, the project shall be forwarded to City Council for approval. All Level 2 or Level 3 measures on residential streets shall be approved by City Council prior to final design or construction. If the petition process is unsuccessful, City staff shall continue undertaking the appropriate Level 1 actions.

Preliminary Conceptual Roadway Detail Santiago Drive: Tradewinds Lane to Constellation Drive







Location Map



 = Speed Cushion Location

Legend:

-  = Caltrans Detail 2 Centerline (Existing)
-  = Caltrans Detail 22 Centerline (Existing)
-  = Caltrans Detail 27B Edgeline (Proposed)
-  = Stop Bar and Stop Legend (Existing)

N.T.S.

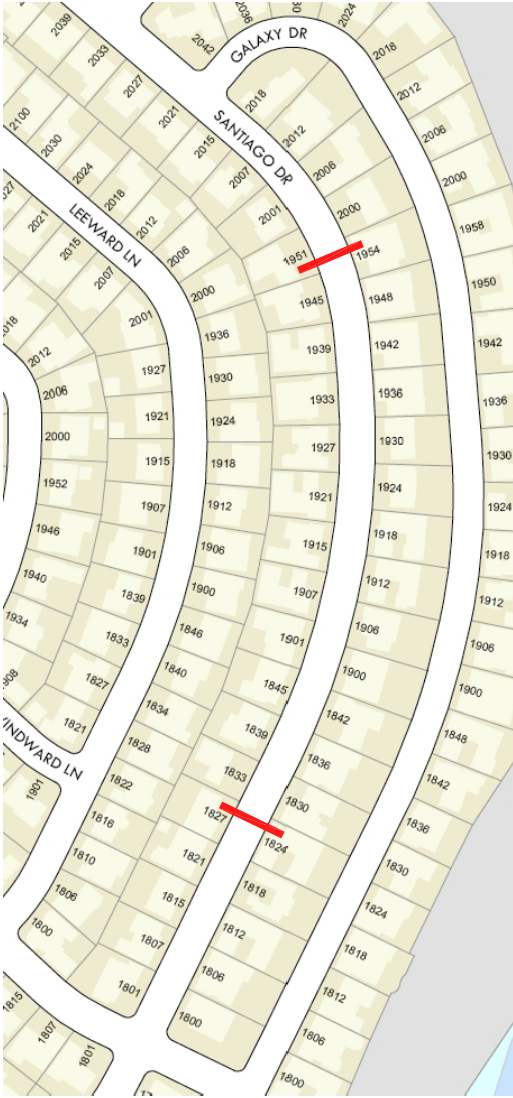
Notice:

- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

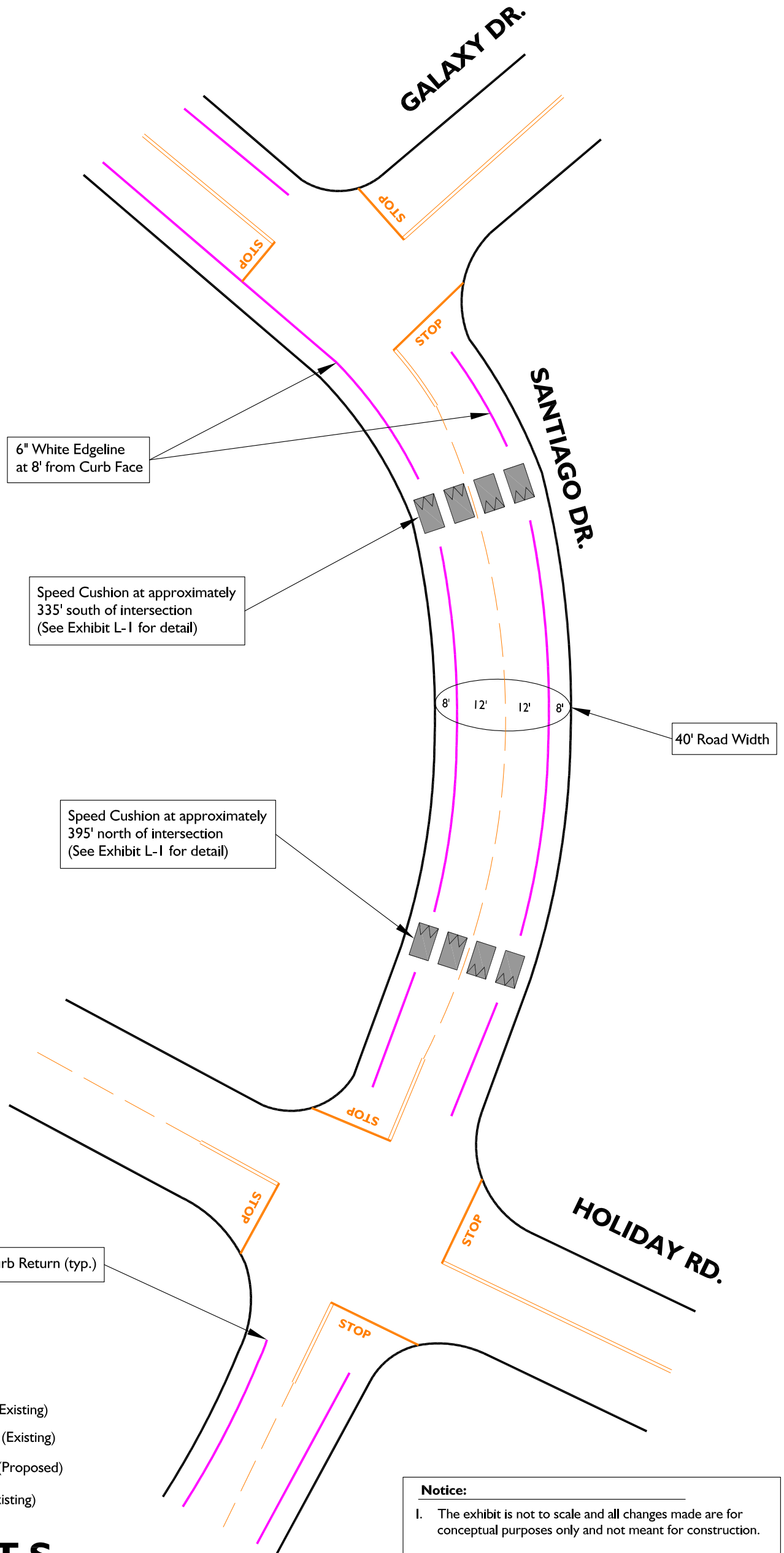


Preliminary Conceptual Roadway Detail Santiago Drive: Galaxy Drive to Holiday Road

Location Map



= Speed Cushion Location



Legend:

- = Caltrans Detail 2 Centerline (Existing)
- = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- = Stop Bar and Stop Legend (Existing)

N.T.S.

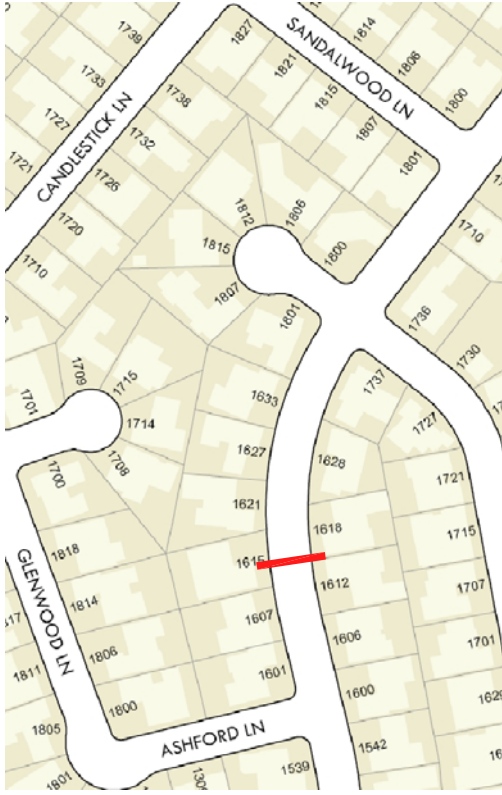
Notice:


- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.



Preliminary Conceptual Roadway Detail Santiago Drive: Antigua Way to Ashford Lane

Location Map



 = Speed Cushion Location





Edgelines end at Curb Return (typ.)

6" White Edgeline at 8' from Curb Face

Speed Cushion at approximately 350' south of intersection (See Exhibit L-1 for detail)

40' Road Width

Legend:

-  = Caltrans Detail 2 Centerline (Existing)
-  = Caltrans Detail 22 Centerline (Existing)
-  = Caltrans Detail 27B Edgeline (Proposed)
-  = Stop Bar and Stop Legend (Existing)

N.T.S.

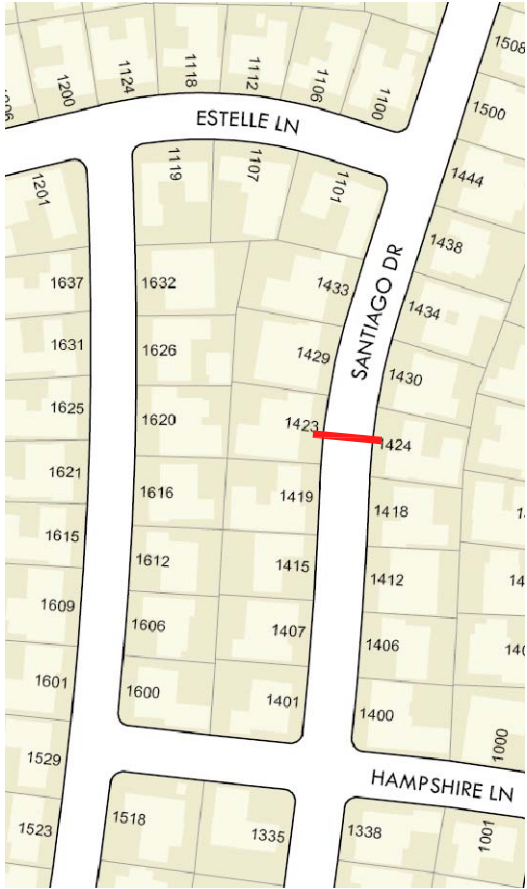
Notice:

- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

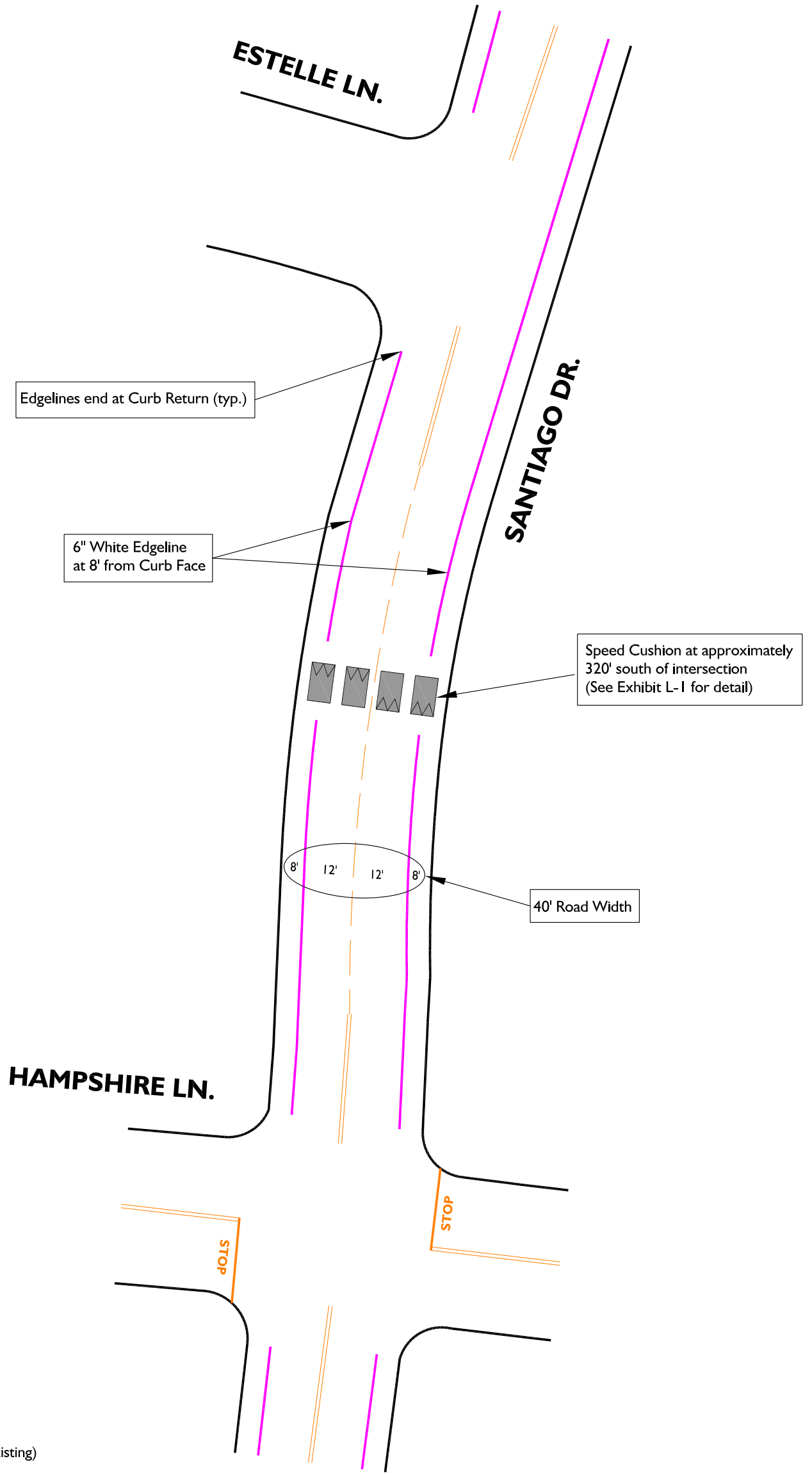


Preliminary Conceptual Roadway Detail Santiago Drive: Estelle Lane to Hampshire Lane





Location Map



 = Speed Cushion Location



Legend:

-  = Caltrans Detail 2 Centerline (Existing)
-  = Caltrans Detail 22 Centerline (Existing)
-  = Caltrans Detail 27B Edgeline (Proposed)
-  = Stop Bar and Stop Legend (Existing)

N.T.S.

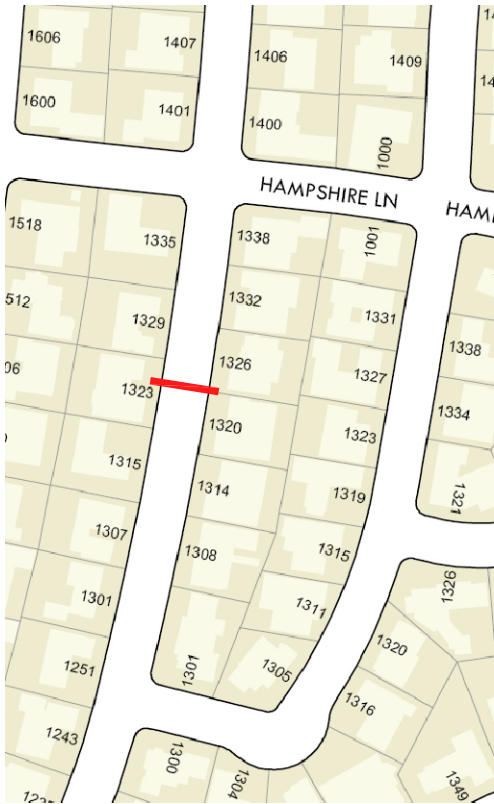
Notice:


- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

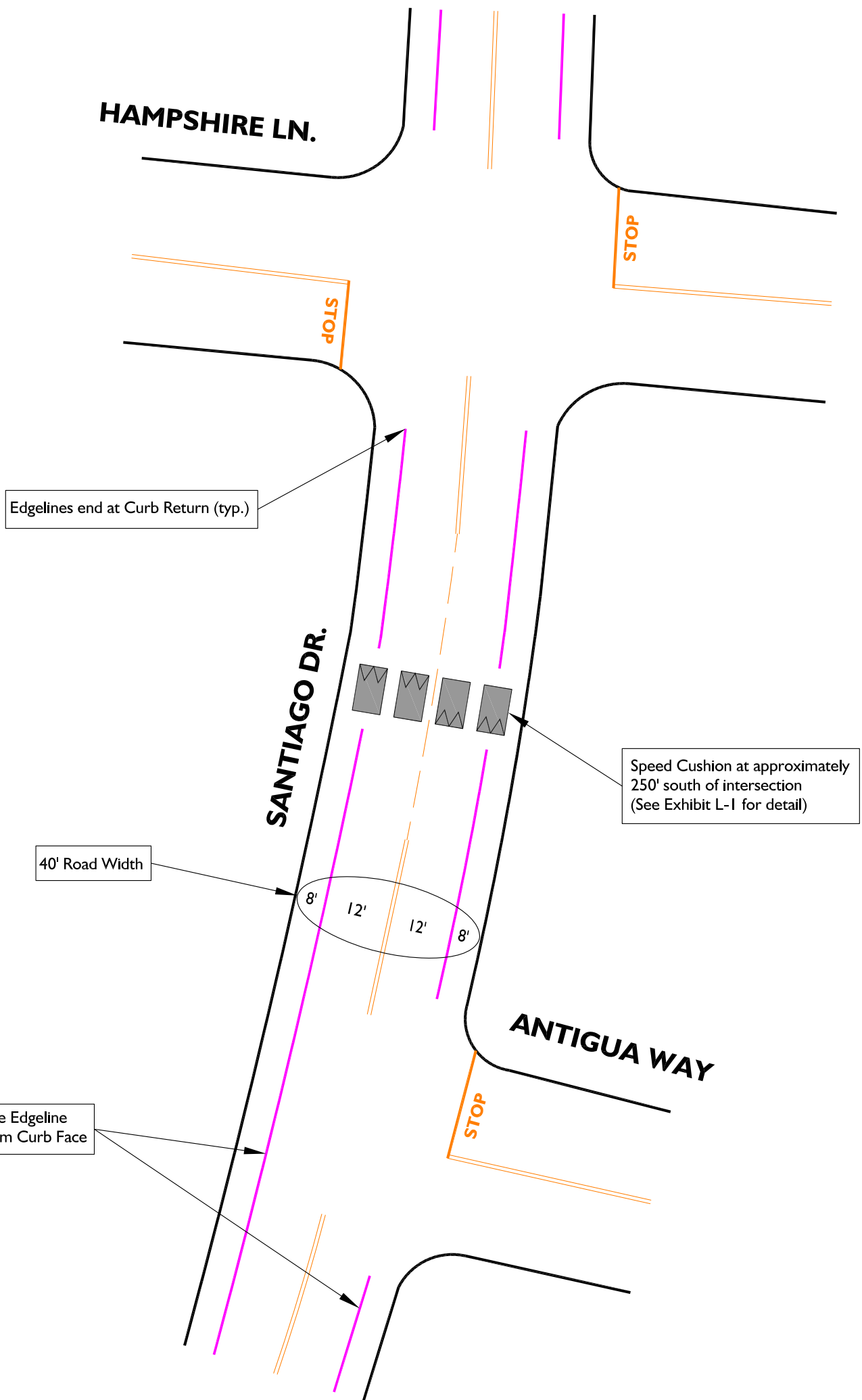


Preliminary Conceptual Roadway Detail Santiago Drive: Hampshire Lane to Antigua Way





Location Map



 = Speed Cushion Location



Legend:

-  = Caltrans Detail 2 Centerline (Existing)
-  = Caltrans Detail 22 Centerline (Existing)
-  = Caltrans Detail 27B Edgeline (Proposed)
-  = Stop Bar and Stop Legend (Existing)

N.T.S.

Notice:

- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

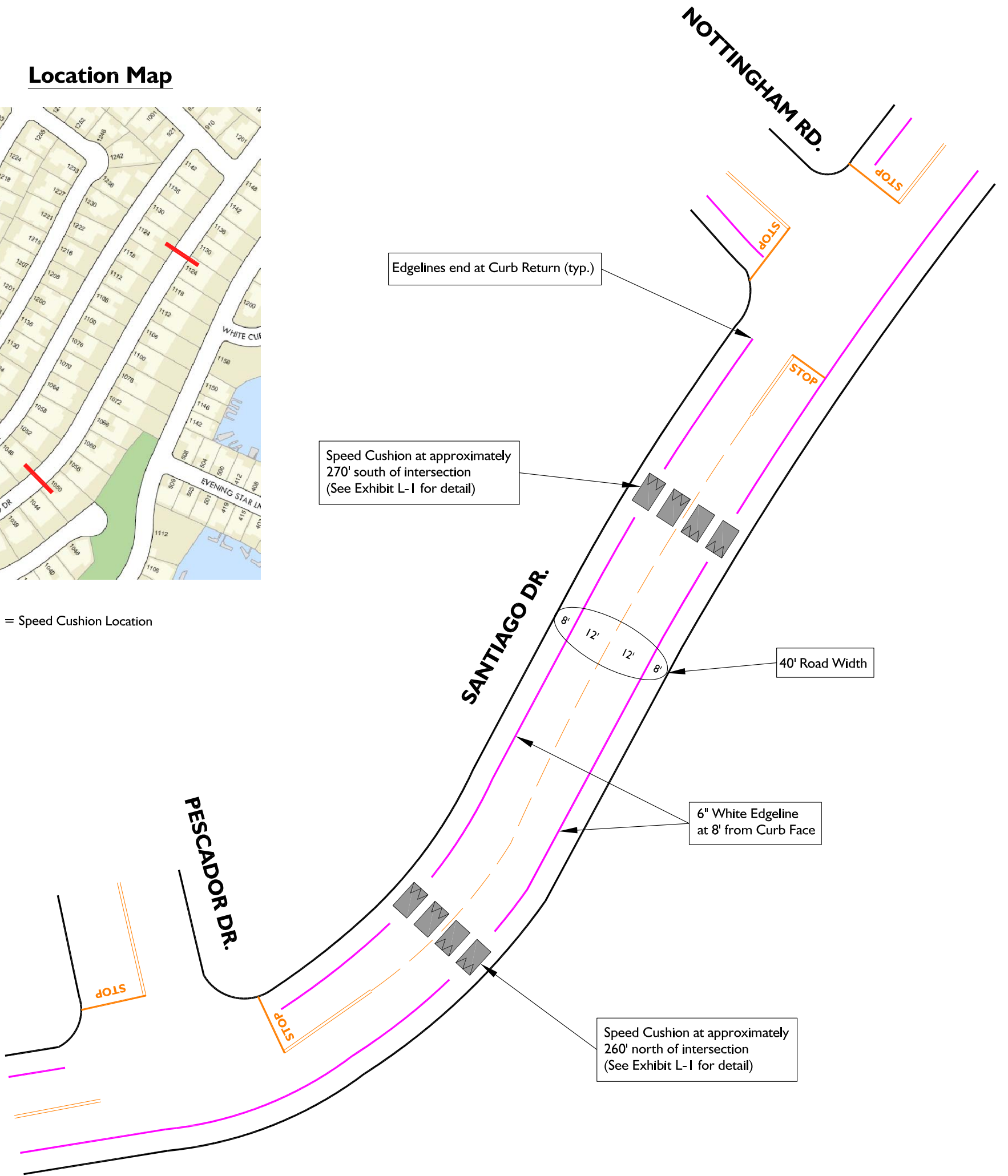


Preliminary Conceptual Roadway Detail Santiago Drive: Nottingham Road to Pescador Drive

Location Map



— = Speed Cushion Location



Legend:

- - - - = Caltrans Detail 2 Centerline (Existing)
- = = = = = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- STOP — = Stop Bar and Stop Legend (Existing)

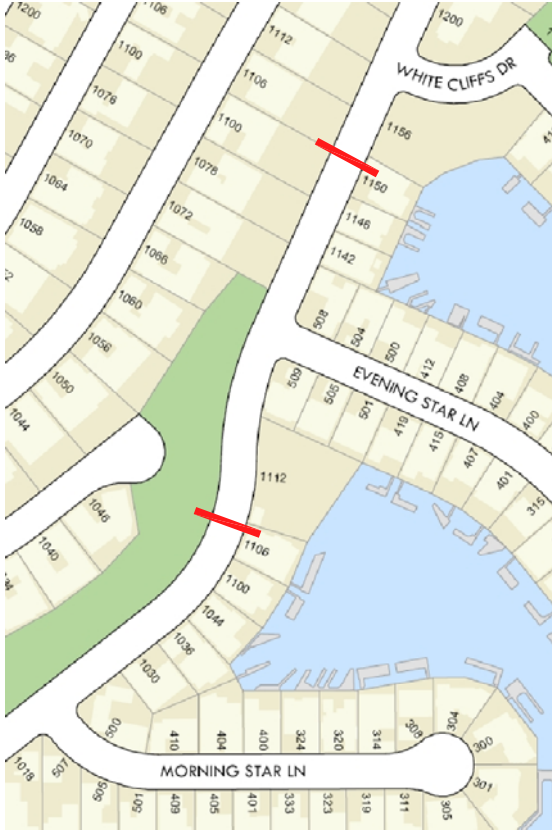
N.T.S.

Notice:

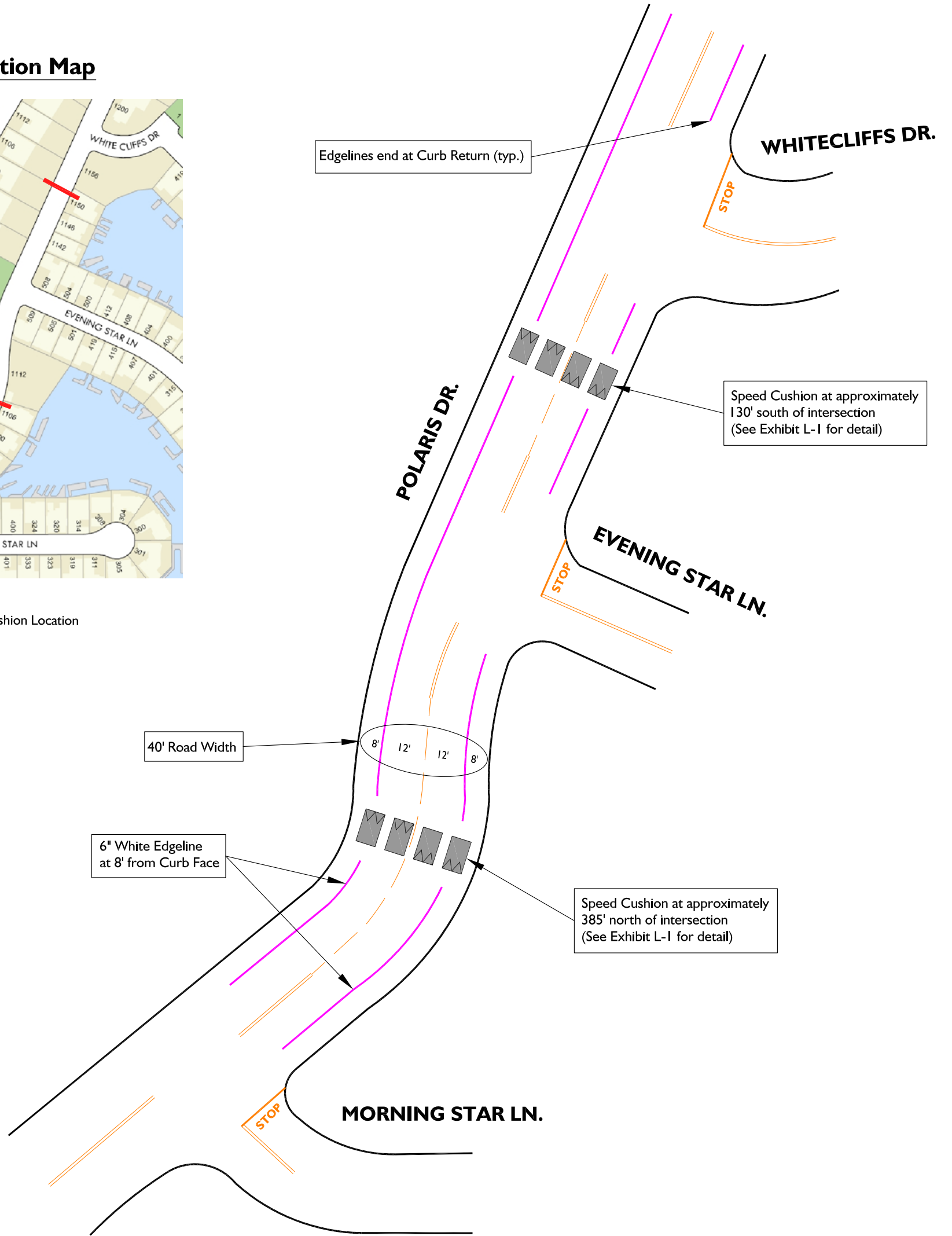
- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

Preliminary Conceptual Roadway Detail Polaris Drive: Whitecliffs Drive to Morning Star Lane

Location Map



= Speed Cushion Location



Legend:

- = Caltrans Detail 2 Centerline (Existing)
- = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- = Stop Bar and Stop Legend (Existing)

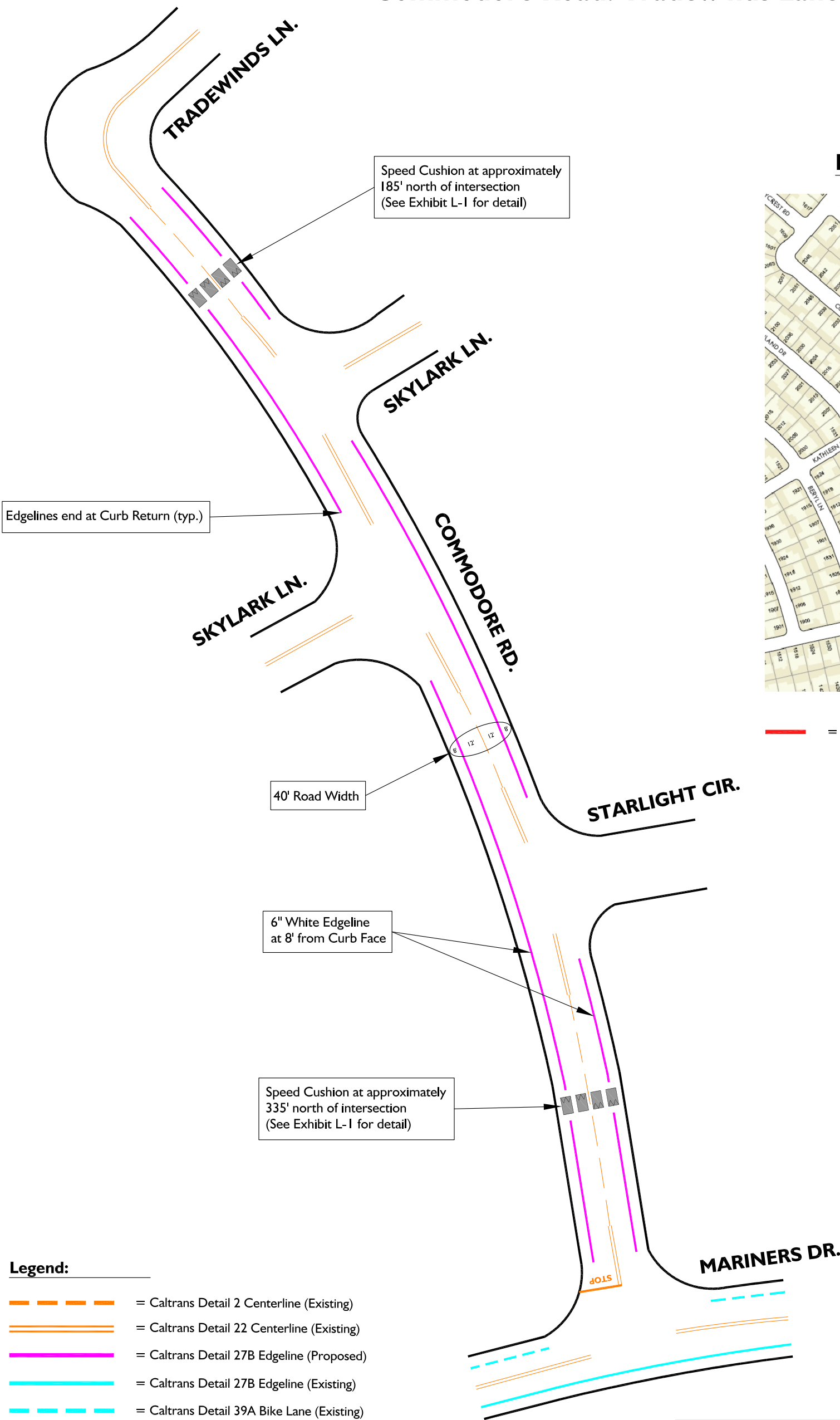
N.T.S.

Notice:

- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.



Preliminary Conceptual Roadway Detail Commodore Road: Tradewinds Lane to Mariners Drive



Location Map



= Speed Cushion Location

Legend:

- = Caltrans Detail 2 Centerline (Existing)
- = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- = Caltrans Detail 27B Edgeline (Existing)
- = Caltrans Detail 39A Bike Lane (Existing)
- = Stop Bar and Stop Legend (Existing)

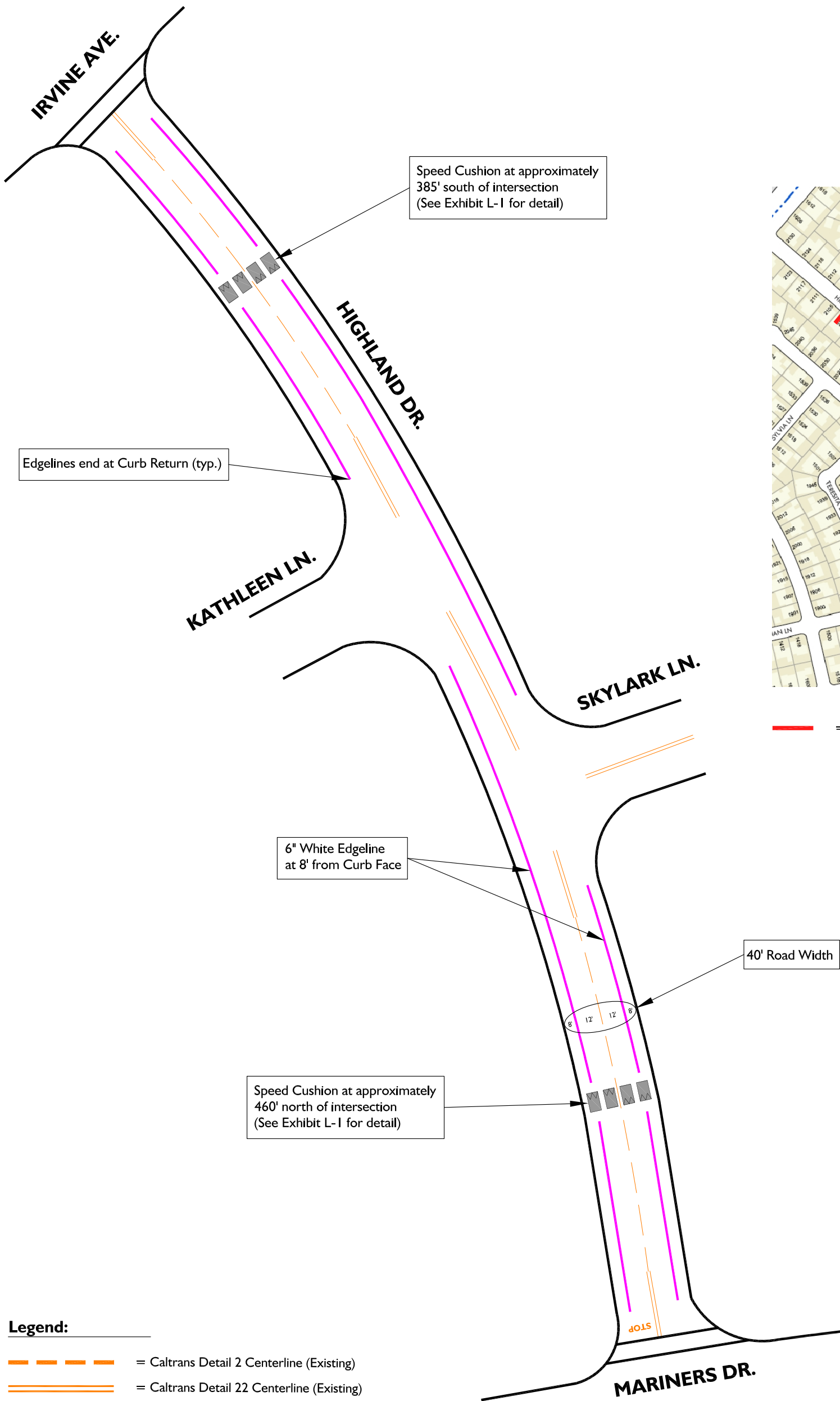
N.T.S.

Notice:

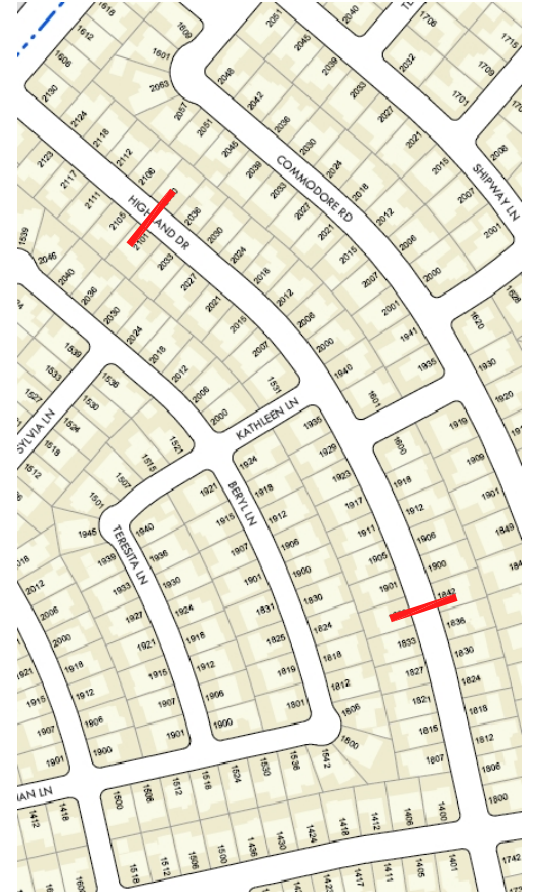
- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.



Preliminary Conceptual Roadway Detail Highland Drive: Irvine Avenue to Mariners Drive







Location Map



— = Speed Cushion Location

Legend:

-  = Caltrans Detail 2 Centerline (Existing)
-  = Caltrans Detail 22 Centerline (Existing)
-  = Caltrans Detail 27B Edgeline (Proposed)
-  = Stop Legend (Existing)

N.T.S.

Notice:

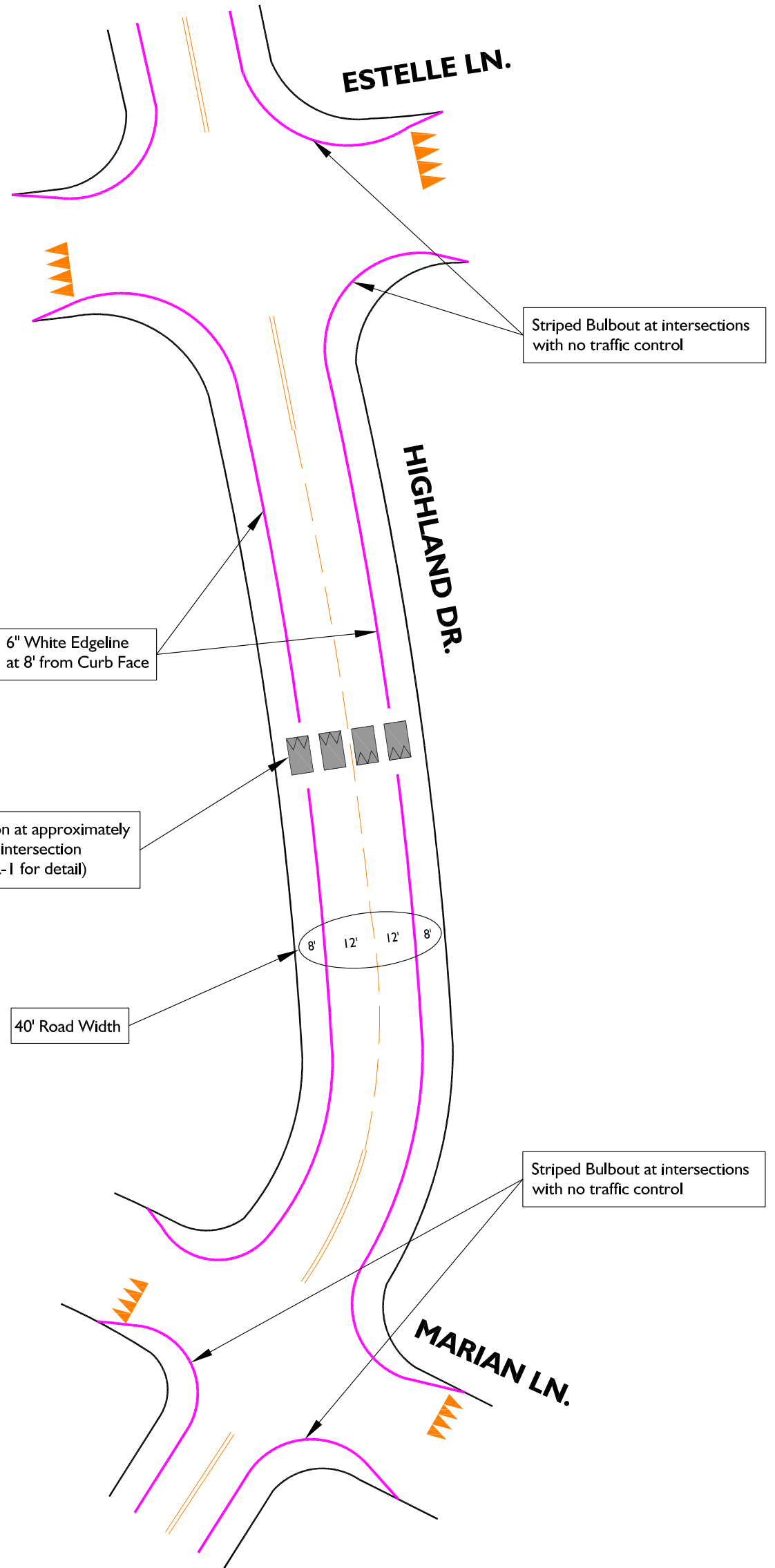
- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

Preliminary Conceptual Roadway Detail Highland Drive: Estelle Lane to Marian Lane

Location Map



— = Speed Cushion Location



Speed Cushion at approximately 645' north of intersection (See Exhibit L-1 for detail)

40' Road Width

6" White Edgeline at 8' from Curb Face

Striped Bulbout at intersections with no traffic control

Striped Bulbout at intersections with no traffic control

Legend:

- - - = Caltrans Detail 2 Centerline (Existing)
- = = = = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- ▲▲▲ = Yield Markings (Existing)

N.T.S.

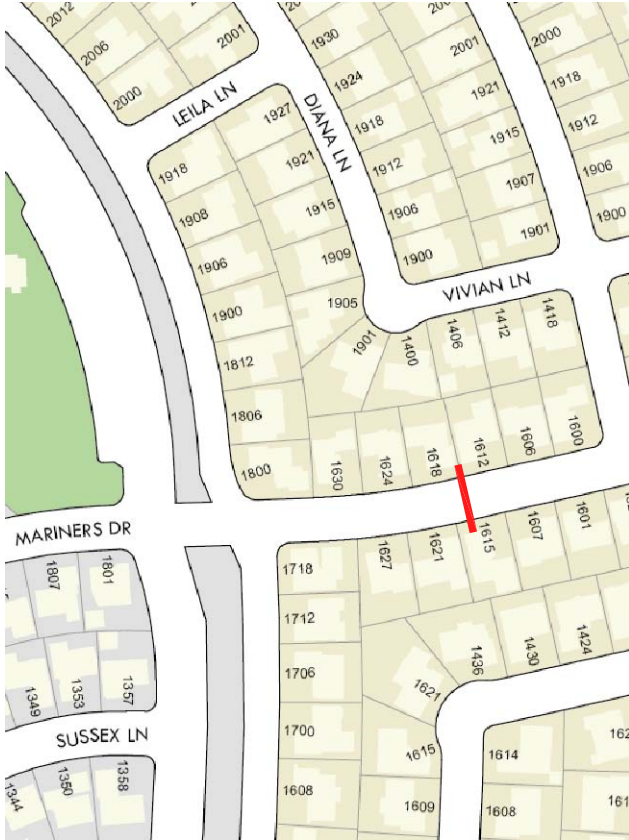


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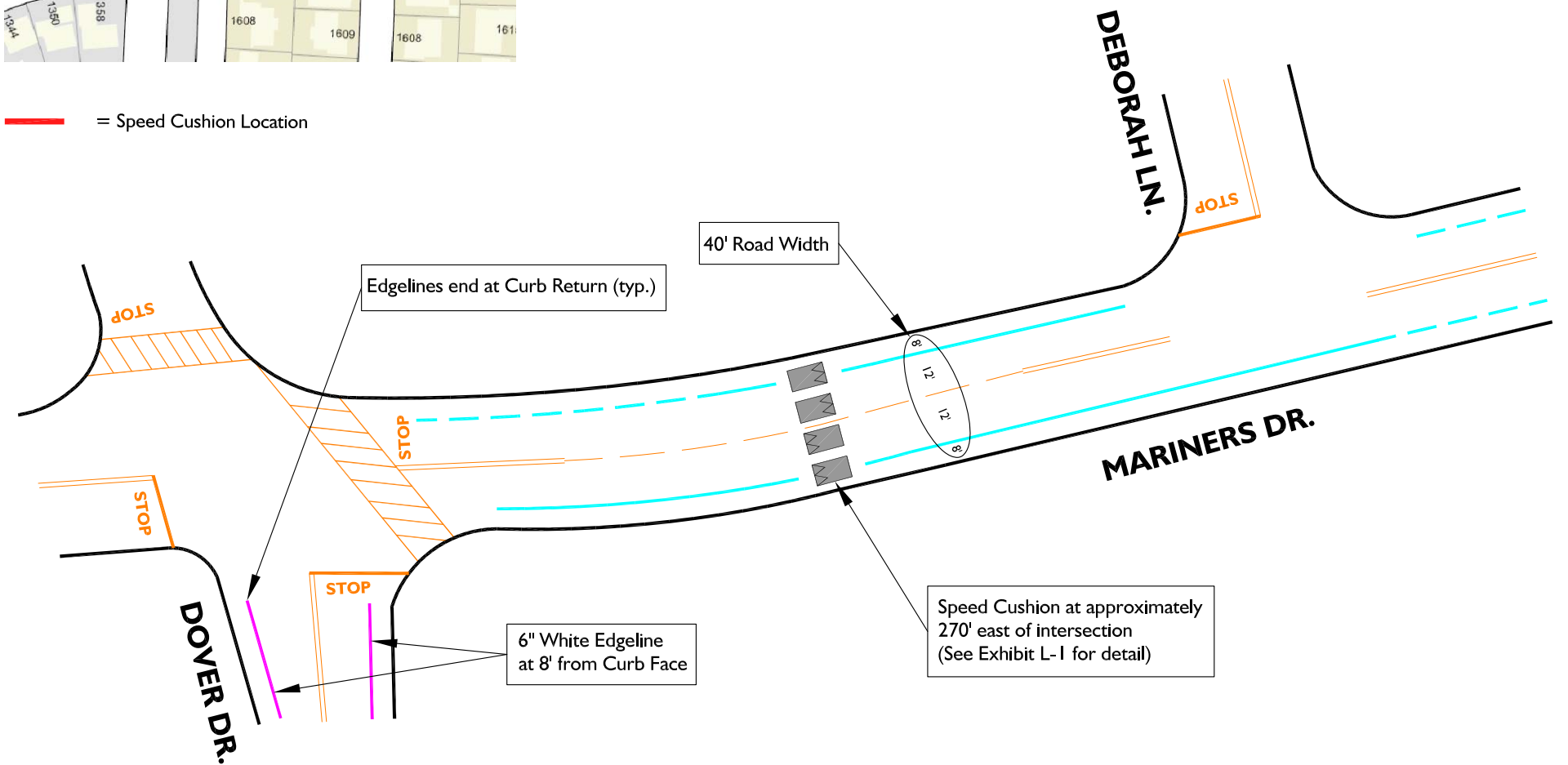
- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

Preliminary Conceptual Roadway Detail Mariners Drive: Dover Drive to Deborah Lane

Location Map



= Speed Cushion Location



Legend:

- = Caltrans Detail 2 Centerline (Existing)
- = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- = Caltrans Detail 27B Edgeline (Existing)
- = Caltrans Detail 39A Bike Lane (Existing)
- = Stop Bar and Stop Legend (Existing)

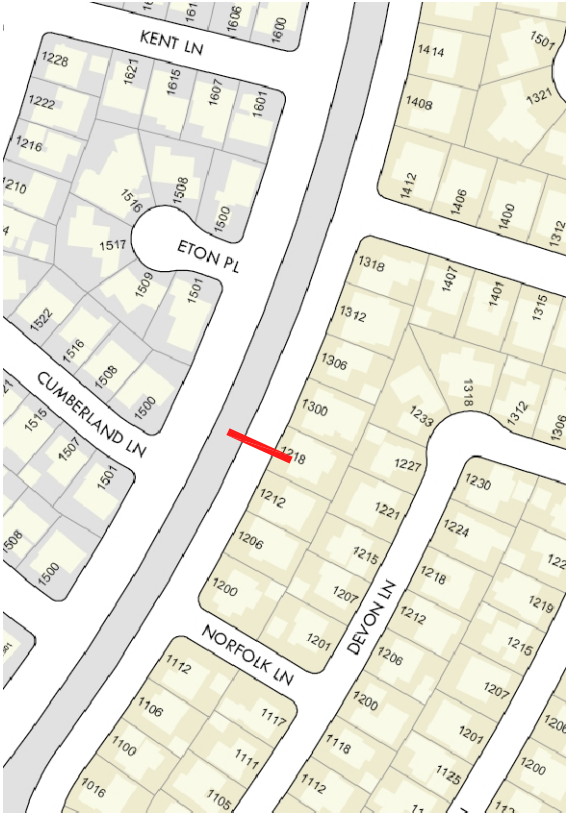
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Notice:

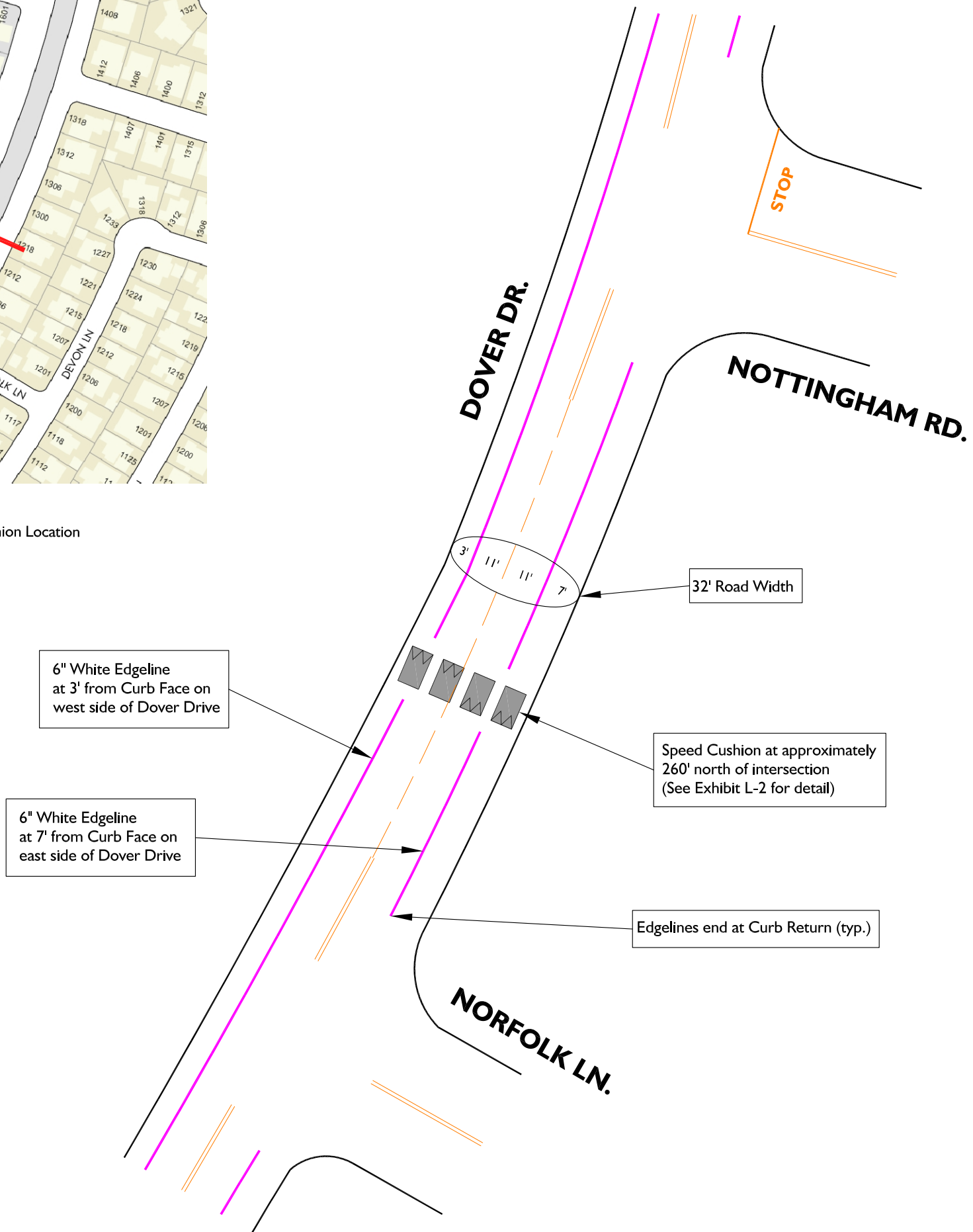
- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.

Preliminary Conceptual Roadway Detail Dover Drive: Nottingham Road to Norfolk Lane

Location Map



— = Speed Cushion Location



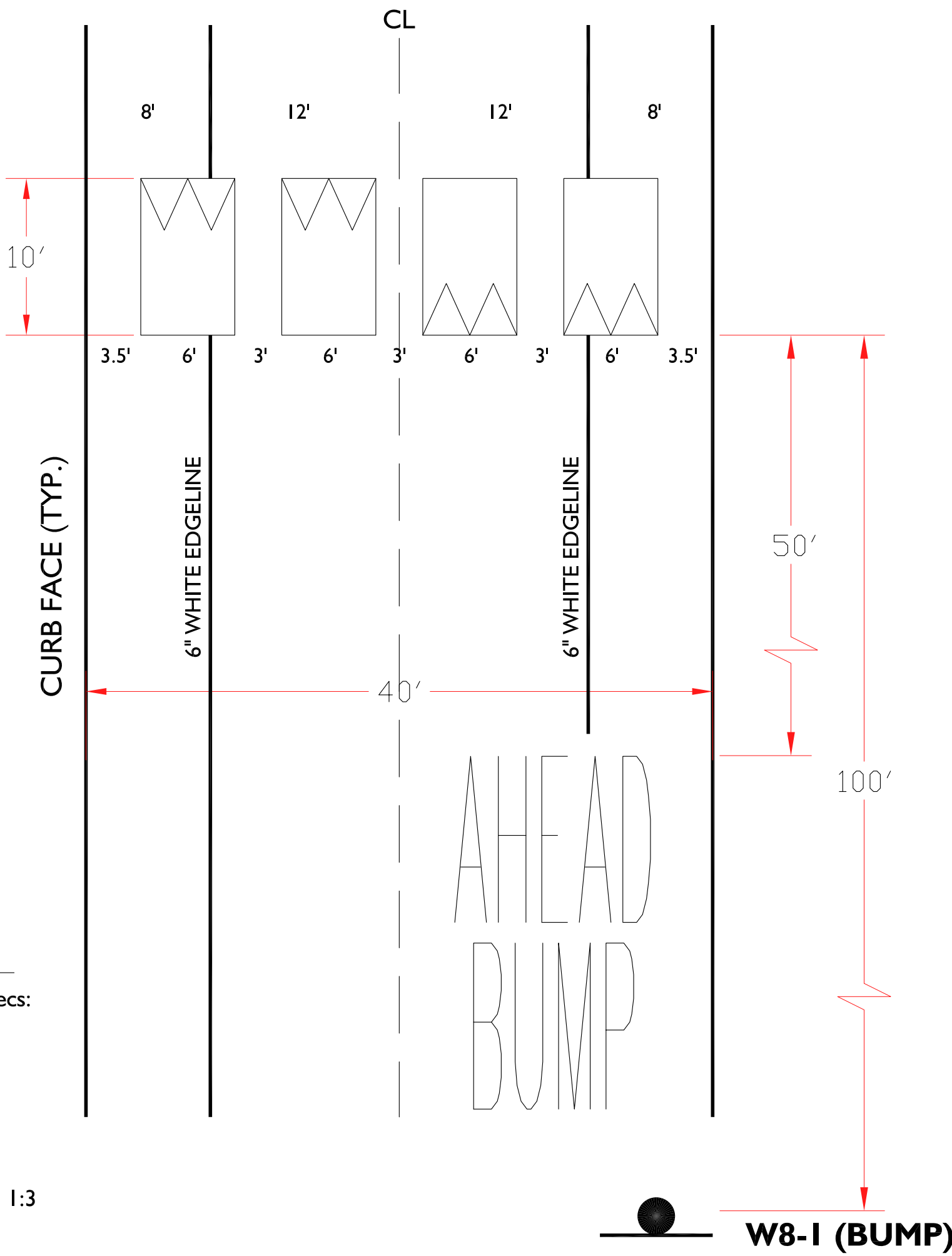
Legend:

- - - = Caltrans Detail 2 Centerline (Existing)
- = = = = Caltrans Detail 22 Centerline (Existing)
- = Caltrans Detail 27B Edgeline (Proposed)
- STOP = Stop Bar and Stop Legend (Existing)

N.T.S.

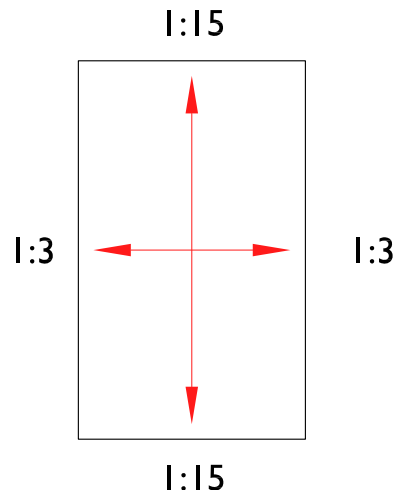
Notice:

- I. The exhibit is not to scale and all changes made are for conceptual purposes only and not meant for construction.
- II. Speed Cushions should be placed under street light poles if possible and should not block residential driveways.



Notes:

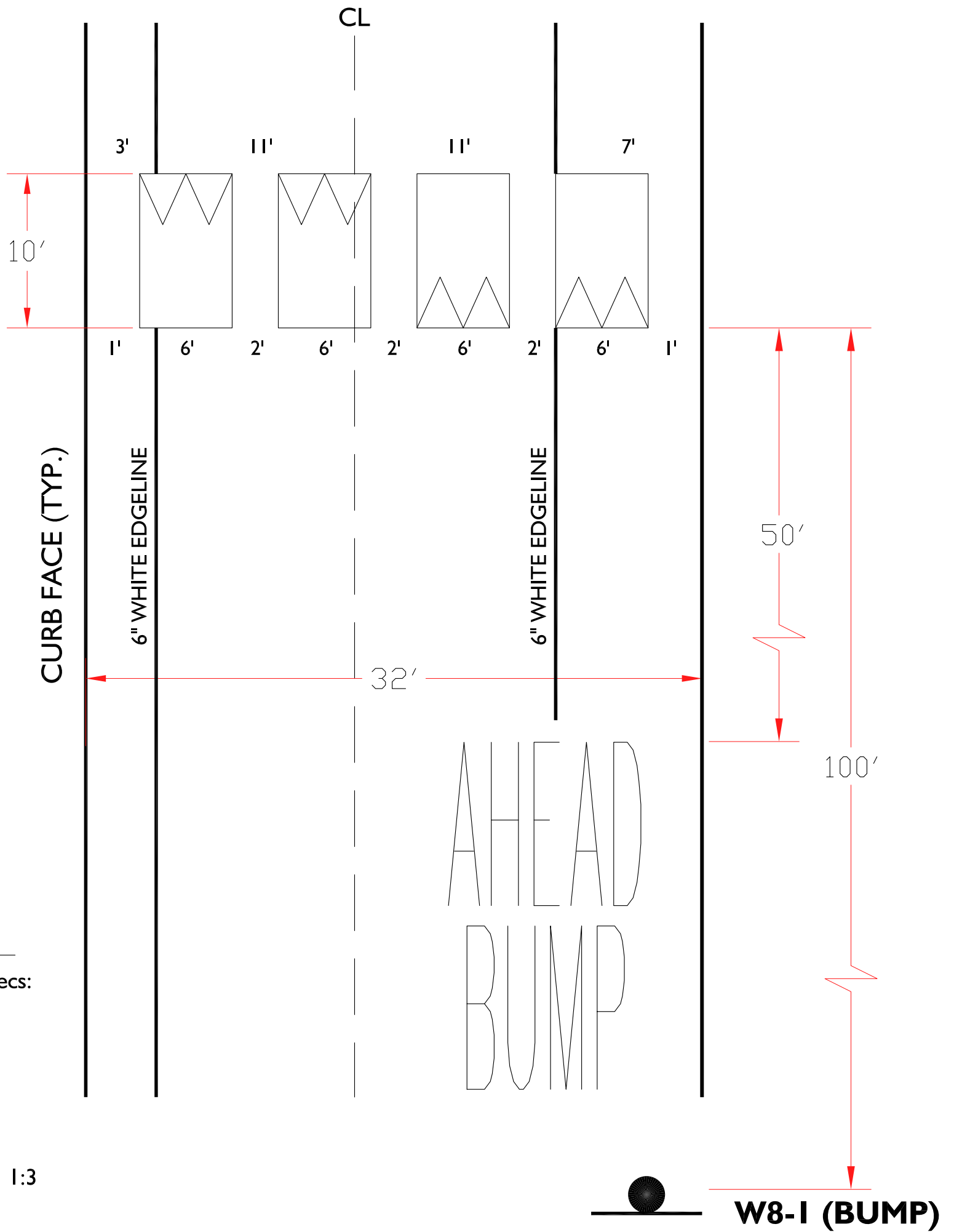
I. Speed Cushion Specs:



RATIO GRADIENTS
 WITH 3" HEIGHT AT CENTER

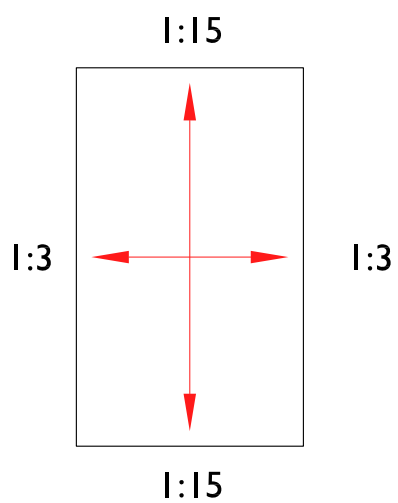
*** NOT TO SCALE**
*** NOT FOR CONSTRUCTION**

Exhibit L-2
Speed Cushion Detail
32-Foot Wide Street
(Dover Drive)



Notes:

I. Speed Cushion Specs:



RATIO GRADIENTS
 WITH 3" HEIGHT AT CENTER

*** NOT TO SCALE**
*** NOT FOR CONSTRUCTION**

Appendix A

Council Policy L-26

TRAFFIC MANAGEMENT POLICY

The City has developed Traffic Management Guidelines in an effort to provide residents with traffic concerns access to traffic management measures that may serve to alleviate their concerns. It is the intent of this policy to identify traffic calming measures; establish speed and volume thresholds for the implementation of measures and; define step-by-step procedures to address traffic concerns.

General

The Goals of the Traffic Management Program are:

- A. Manage the speed of vehicles on residential streets with “demonstrated speeding concerns” (as defined in this Policy) to levels consistent with residential speed limits, or other posted speed limits as determined by the California Vehicle Code or the City of Newport Beach Municipal Code.
- B. Discourage the use of local residential streets by non-local (cut-through) traffic by making the streets less attractive as commuter routes.
- C. Develop and emphasize focused neighborhood educational programs that can address residential traffic concerns. This shall be accomplished by the preparation of a traffic calming pamphlet; holding neighborhood meetings; and public hearings before the City Council.
- D. Implementation of selective police enforcement actions to address traffic related concerns.
- E. Minimize impacts on emergency vehicle response times, which may potentially be caused by implementation of traffic calming measures.
- F. Limit the potential for shifting traffic from one residential street (or neighborhood) to another when implementing traffic calming measures.
- G. Reduce the speed of vehicles on primary and secondary arterial roadways, and in school zones, through the use of devices, including, but not limited to, radar speed feedback signs when appropriate.
- H. Respond to concerns or complaints in a timely manner.

Definitions

Traffic management measures for residential streets (as defined herein) generally fall into three (3) categories:

- A. Level 1 Tools are comprised of actions and programs that are primarily educational and enforcement based. These tools include neighborhood meetings, police enforcement, signing, and the use of a temporary speed radar trailer.
- B. Level 2 Tools include the construction of physical improvements on residential streets to address documented speed concerns. These tools include road narrowing, striping modifications, chokers, raised medians, gateways, neighborhood traffic circles, landscaping, speed bumps, speed tables, speed cushions and intersection channelization.
- C. Level 3 Tools include the construction of physical improvements to reduce traffic volumes on a local residential street. These tools include neckdowns, turn restrictions, cul-de-sacs, diagonal diverters, half-closures.
- D. A “residential street” is a local, two-lane street with a posted (or prima facie) speed limit of twenty-five (25) miles per hour (“mph”) or thirty (30) mph and a maximum width of forty-four (44) feet from curb-to-curb.

Definitions for the various traffic calming tools are included in the City’s Traffic Management Guidelines document, or any subsequent successor document.

Criteria

- A. The implementation of Level 2 Tools on residential streets shall be considered for those public streets meeting **all** of the following criteria:
 - 1. The street segment shall be at least 800 feet in length, and have no intermediate STOP signs.
 - 2. The two-way volume of traffic on the street shall be between 500 and 4000 vehicles per day.
 - 3. A speed survey must demonstrate that the eighty-five (85) percentile speed is equal to or greater than thirty-two (32) mph on a posted (or prima facie) twenty-five (25) mph street, or equal to or greater than thirty-seven (37) mph on a posted thirty (30) mph street. Speeds above these thresholds indicate a “demonstrated speed concern.”

4. The street must have a sustained longitudinal grade of six percent (6%) or less. The street must have a horizontal and vertical alignment such that there is adequate sight distance, as determined by the City Traffic Engineer.
 5. Level 2 measures shall not be installed if, in the opinion of the City Traffic Engineer, they shall result in excessive diversion of traffic to parallel local residential streets.
 6. Proposed Level 2 measures shall be reviewed by the Police and Fire Departments for potential impacts to public safety response times.
- B. The implementation of Level 3 Tools shall be considered for those residential streets meeting criteria 1, 5, and 6 , as noted above, and as required by Level 2 Tools. In addition the following criteria must be met:
1. The volume of traffic on the street shall be greater than 4000 vehicles per day.

Process

The following step-by-step procedures shall be used by the City to address traffic concerns on residential streets:

- A. A resident shall inform the City of a potential problem area. Any traffic calming request is required to include a petition signed by at least five (5) residents within the immediate vicinity of the problem area.
- B. The City shall review the roadway conditions and collect the appropriate traffic speed and volume data. If it is determined that an immediate safety issue exists, staff shall initiate a project to address the situation. Otherwise, staff shall initiate the appropriate Level 1 traffic calming measures.
- C. The Level 1 measures shall be in place for a minimum of three (3) months. If the Level 1 measures do not address the resident's concerns, the City shall review the traffic data that has been collected, discuss the issues with the Police and Fire Departments, and determine if the street qualifies for Level 2 or Level 3 measures. The residents shall be informed of the results of the traffic analysis.
- D. If the traffic data indicates that the residential street(s) may qualify for Level 2 or Level 3 measures, a letter shall be mailed out to the neighborhood asking residents to identify specific concerns. After responses to the letter are received, a neighborhood meeting shall be held. This meeting may be used to develop

recommended Level 2 or Level 3 implementation measures. A representative of the Public Works Department and the Police Department shall attend the meeting.

- E. Based upon resident input and staff analysis, a draft improvement plan shall be prepared and submitted to the residents together with an approved petition for signatures.
- F. A neighborhood representative shall be responsible for circulation of the petition and draft improvement plan. The petition shall be prepared by City staff together with the neighborhood representative, and shall be approved by the City Traffic Engineer prior to circulation. The City shall provide a map of the affected area and/or a listing of all affected addresses to the designated neighborhood representative. The petition should include only residences or businesses within the affected area. Person(s) circulating the petition shall attempt to obtain signatures from all affected residences or businesses that are either an owner or tenant and at least eighteen (18) years old. The petition must include the current address, printed name, and signature for person signing the petition. The petition requesting Level 2 or Level 3 traffic management measures must be supported by seventy percent (70%) of the total number of residential units/businesses. In the event that a traffic calming tool may increase traffic noise, one resident for each residence immediately adjacent to a proposed location of such traffic calming tool must sign the petition in favor of the draft improvement plan.
- G. If neighborhood support is demonstrated through the petition process, the project shall be forwarded to City Council for approval. All Level 2 or Level 3 measures on residential streets shall be approved by City Council prior to final design or construction. If the petition process is unsuccessful, City staff shall continue undertaking the appropriate Level 1 actions.

Priority

Requests for the installation of traffic calming measures on residential streets using City funds shall be prioritized by the City Traffic Engineer considering the following factors:

- A. Date of petition submittal.
- B. Volume of traffic using the street.
- C. Percentage of traffic exceeding the threshold speed limit.
- D. Other factors including, but not limited to, number of houses, presence of parks or schools, street width, and number of residential driveways.

The City shall also take into account any letters of interest from the residents (or Homeowners Associations) to provide funding for all or part of the costs of the design and construction of the improvements.

Guidelines for the Use and Installation of Fixed Radar Speed Feedback Signs

Radar speed feedback signs are installed to provide a real-time dynamic display of a driver's vehicular speed at a particular location. In locations where traffic-calming features such as speed humps or chokers are not appropriate for the roadway, radar speed feedback signs can be an effective installation. This policy applies to signs in fixed locations, as opposed to radar speed feedback signs on trailers. A radar speed feedback sign shall be considered for use when all of the following minimum thresholds are met:

- A. The roadway under consideration is designated on the Master Plan of Streets and Highways as a primary or secondary arterial road.
- B. The average daily traffic (ADT) volume for the roadway segment is greater than 10,000 vehicles per day.
- C. The posted speed limit is thirty-five (35) mph or greater; or
- D. Within a school zone area, after review and recommendation of the City Traffic Engineer and Public Works Director.

Staff has developed a point system using the factors listed below. This point system can be used to establish a priority ranking for future fixed location sign installations on primary or secondary arterial roads that meet the minimum thresholds. To address resident or Newport-Mesa Unified School District requests for a radar speed feedback sign in a school zone, factors # 3 through # 7 shall be used during the review process.

			Points
A. Daily Traffic Volume	10,000 - 15,000		1
	15,000 - 20,000		2
	20,000 - 25,000		3
	25,000 +		2
Posted Speed Limit	35 mph		1
	40 mph		2
	45 mph		3
	50 mph		1

C.	85% speed over limit	0 mph – 2 mph over posted speed	1
		2 mph – 4 mph over posted speed	3
		4 mph – 6 mph over posted speed	5
D.	Speed related accidents	0 accidents in previous 3 years	0
		1-2 accidents in previous 3 years	1
		3-5 accidents in previous 3 years	2
		6-8 accidents in previous 3 years	3
		9 + accidents in previous 3 years	4
E.	Near School	Greater than 1/2 mile	1
		Between 1/4 to 1/2 mile	2
		Within 1/4 mile	3
F.	Percent grade	0% - 4%	1
		5% - 9%	2
		10% +	3
G.	Street Conditions	Sidewalks both sides	0
		Sidewalks one side	1
		No pedestrian facility	3
		Curves with advisory signing	3
H.	Bicycle Facility	Next to Designated Bicycle Sidewalk	1
		Next to Existing/Planned Bike Route	2
		Next to Existing/Planned On-street Bike Lane	3

Priority should always be given to those roadways where the number of speed related accidents is relatively high. In addition, the severity of the accident history should be strongly considered in the review of all locations.

Radar speed feedback signs shall only be placed where they improve safety and do not create objections from residents. All residents near a proposed sign location shall be contacted. Any sign to be placed in front of a home should receive support from the property owner. Any signs to be placed in school zones should be activated only for two (2) hours at the start and at the end of the school day.

History

(1990, 05/29) – L-13 – Adopted (Road Bumps)

(1991, 10/28) – L-13 – Amended

(2006, 09/12) – L-26 – Adopted – incorporating L-13 & L-26)

(2015, 05/12) - L-26 - Amended
(2018, 08/14) - L-26 - Amended

Appendix B-1

1st Community Meeting
Presentation

Welcome Residents of Dover Shores & Mariners Neighborhoods

Review of:
Speeds
Traffic Volumes
Accident History
Law Enforcement
Cut-Through Traffic
Etc.

City of Newport Beach

City Hall

100 Civic Center Drive

Community Room

Thursday, November 29, 2018

6:30 PM



Study Area

Dover Shores & Mariners Neighborhoods

Meeting Objective:

Obtain Resident Feedback Regarding Traffic Related Concerns within the Study Area/Community



City of Newport Beach

City Hall

100 Civic Center Drive

Community Room

Thursday, November 29, 2018

6:30 PM



Council Policy L-26

Traffic Management Policy

Primary Goals of the Traffic Management Policy

- Manage speeds to levels consistent with residential communities
- Discourage non-local use (cut-through) traffic
- Develop focused neighborhood educational programs
- Include and implement law enforcement action
- Minimize emergency vehicle response times
- Limit shifting traffic from one residential street to another when implementing traffic calming measures
- Respond to concerns or complaints in a timely manner



Open Discussion for Resident Feedback on the Following Topics/Issues:

- SPEED
- CUT-THROUGH
- ACCIDENT
- TRAFFIC CONTROL
- TRAFFIC VOLUMES
- OTHER



City of Newport Beach
City Hall
100 Civic Center Drive
Community Room
Thursday, November 29, 2018
6:30 PM



Appendix B-2

2nd Community Meeting
Presentation

Welcome Residents of Dover Shores & Mariners Neighborhoods

Review of:
November 29, 2018 Meeting
Community Feedback
Traffic Collision Report
Traffic Data
Q&A

Mariners Branch Library
Vincent Jorgensen Room
1300 Irvine Avenue
Newport Beach, CA 92660
Thursday, May 2, 2019
6:30 PM



Study Area

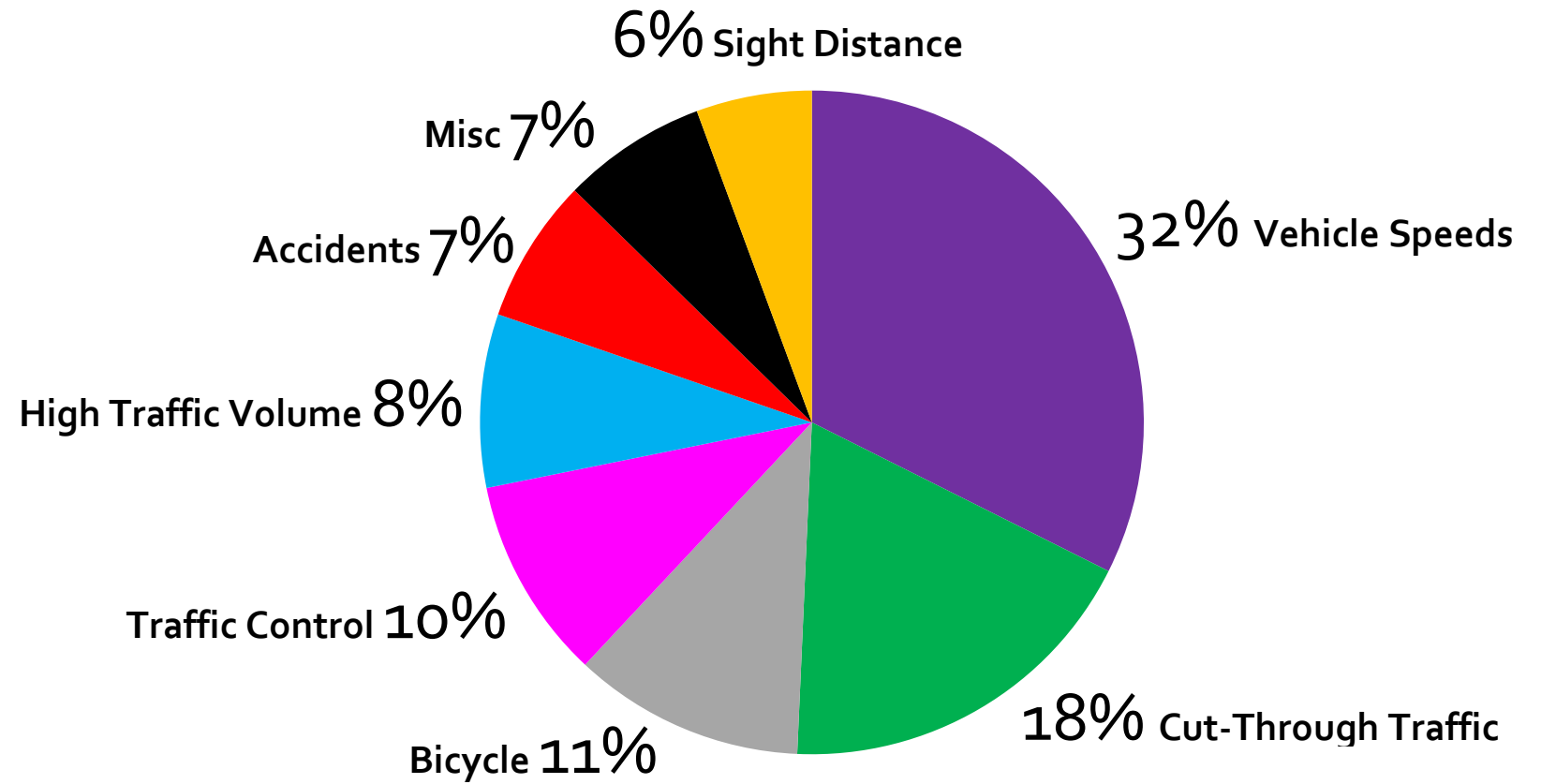
Dover Shores & Mariners Neighborhoods

Meeting Objective:

Review & Share Traffic Data

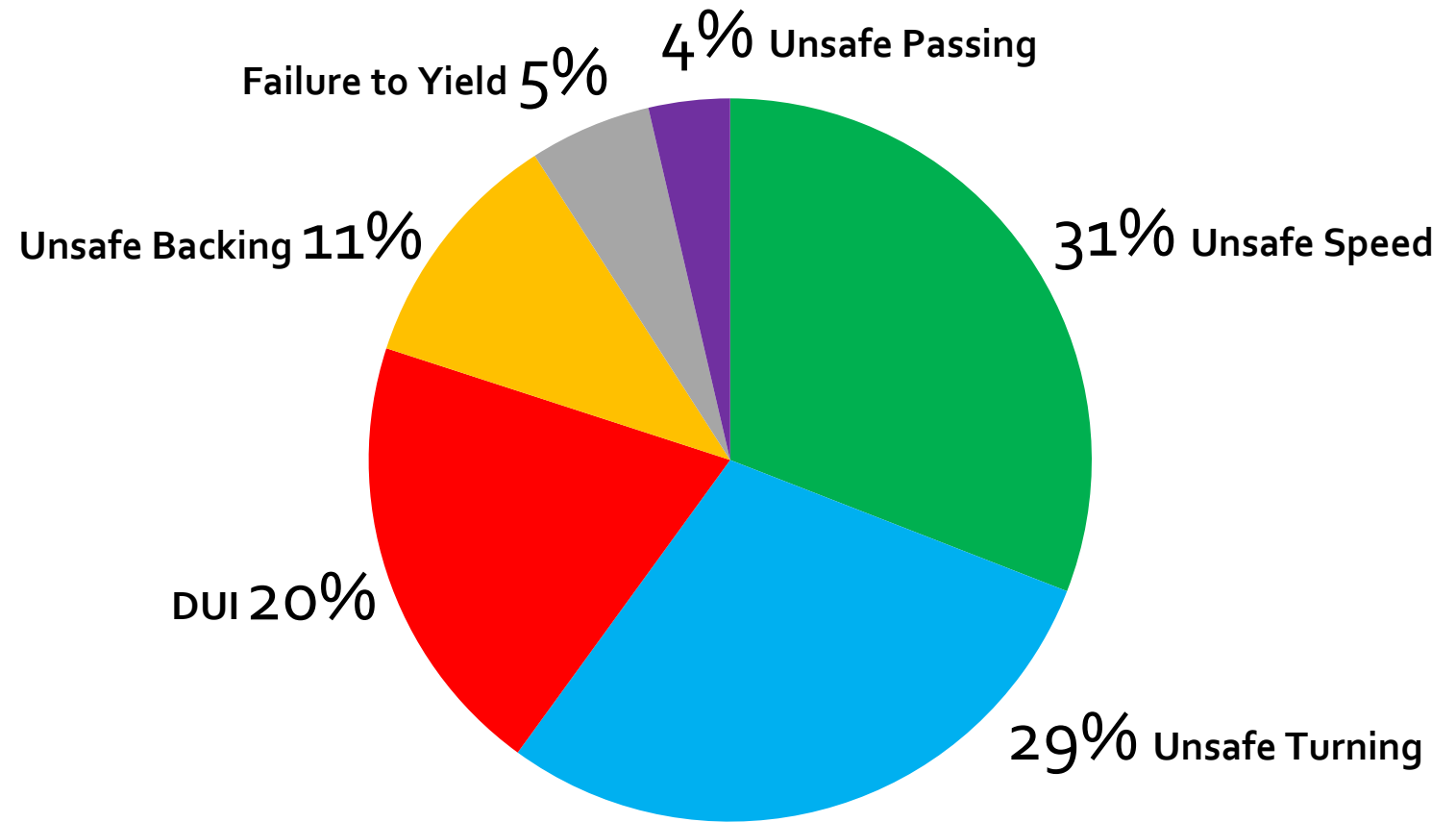


Community Feedback



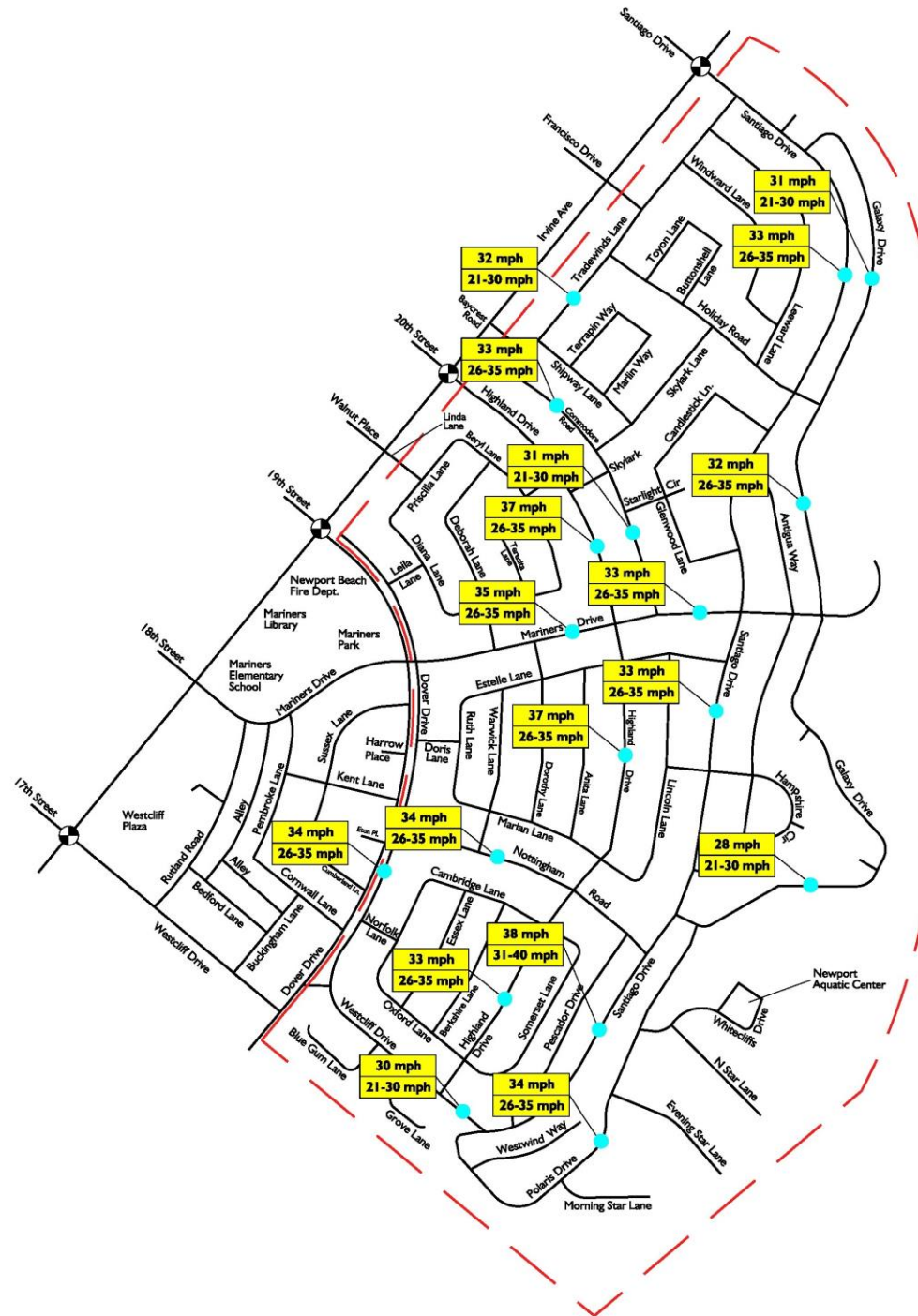
Traffic Collision Reports

10 Years



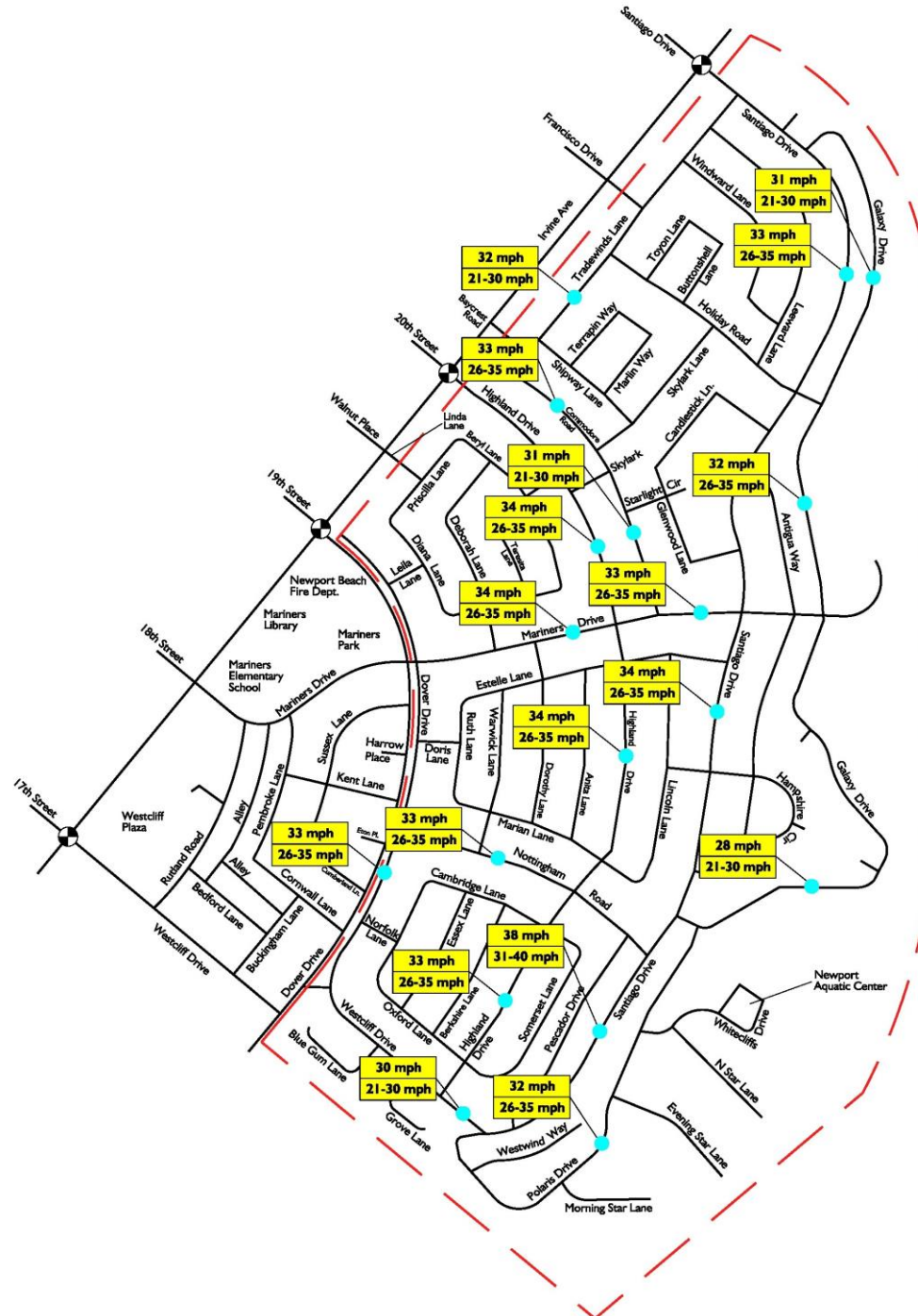
24 Hour Speed Survey

Thursday,
February 7, 2019



24 Hour Speed Survey

Saturday,
March 9, 2019



Cut-Through Traffic

Definition:

“Vehicular **traffic** passing **through** a residential area without stopping or without at least one origin or destination within the area.”

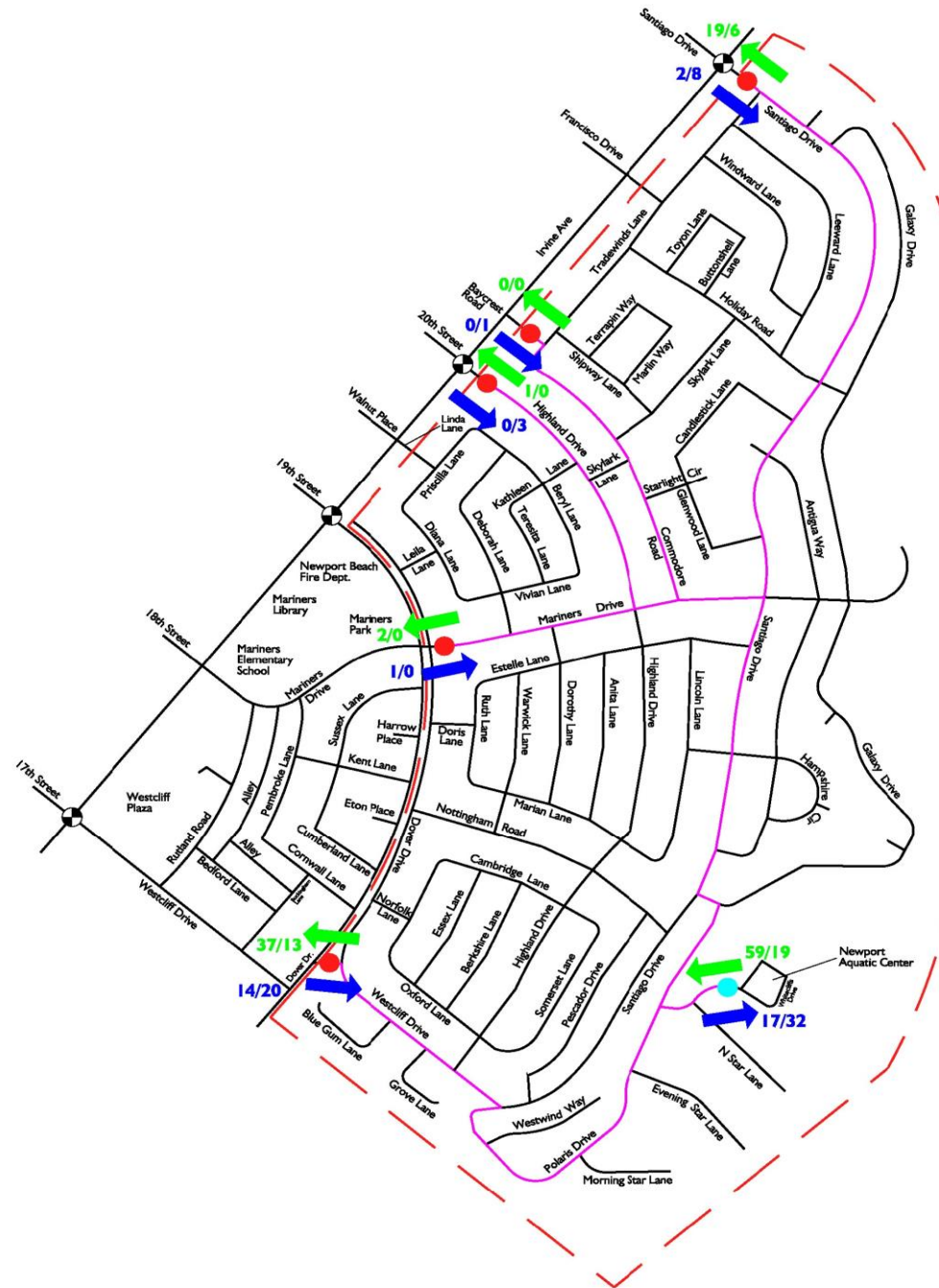
NAC Trip Contribution

Vehicular traffic associated with the Newport Aquatic Center (NAC) that passes through the residential area is **not** cut-through traffic because those trips have an origin or destination in the area (NAC).

NAC Trip Contribution

Thursday,
February 7, 2019

7-9 AM
4-6 PM



Total Trips:

AM: **76** vehicles

PM: **51** vehicles

AM: 1 vehicle/1.5 min

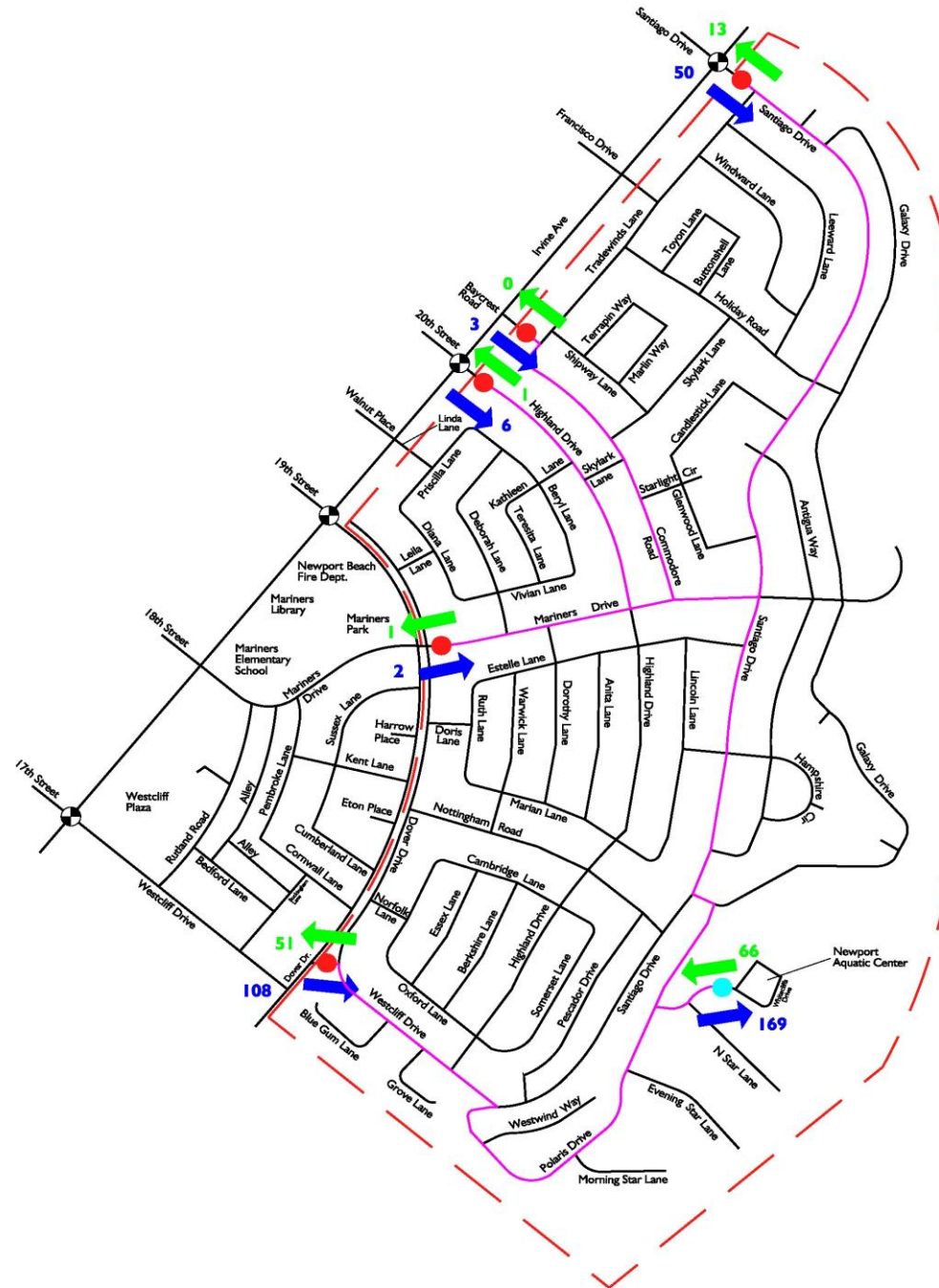
PM: 1 vehicle/2 min



NAC Trip Contribution

Saturday,
March 9, 2019

6-9 AM



Total Trips:

AM: **235** vehicles

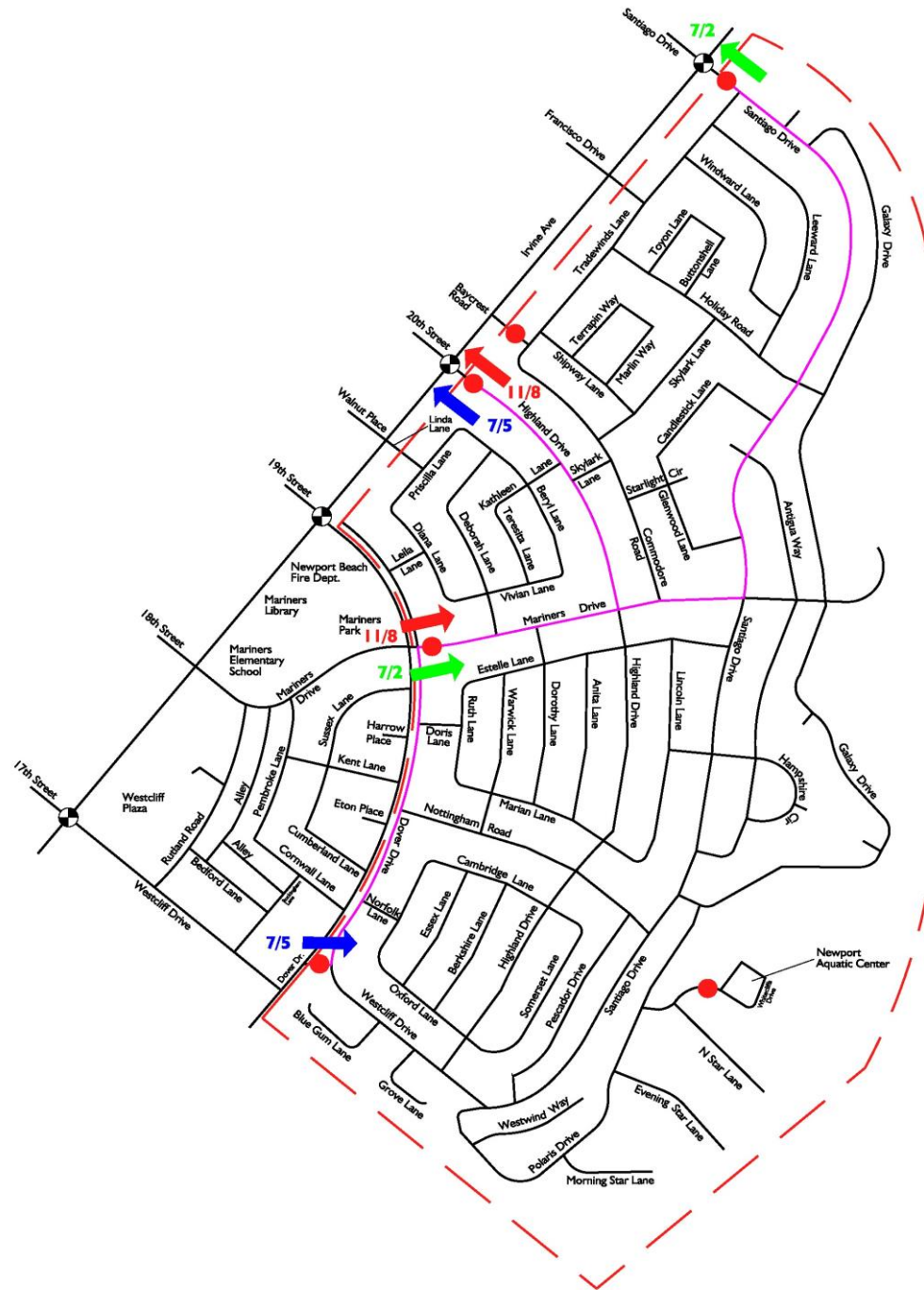
AM: 1 vehicle/45 sec



Cut-Through Traffic

Thursday,
February 7, 2019

7-9 AM
4-6 PM






Total Cut-Through's:

AM: **41** out of **829** vehicles

PM: **31** out of **1,211** vehicles

AM: 1 vehicle/3 min

PM: 1 vehicle/4 min

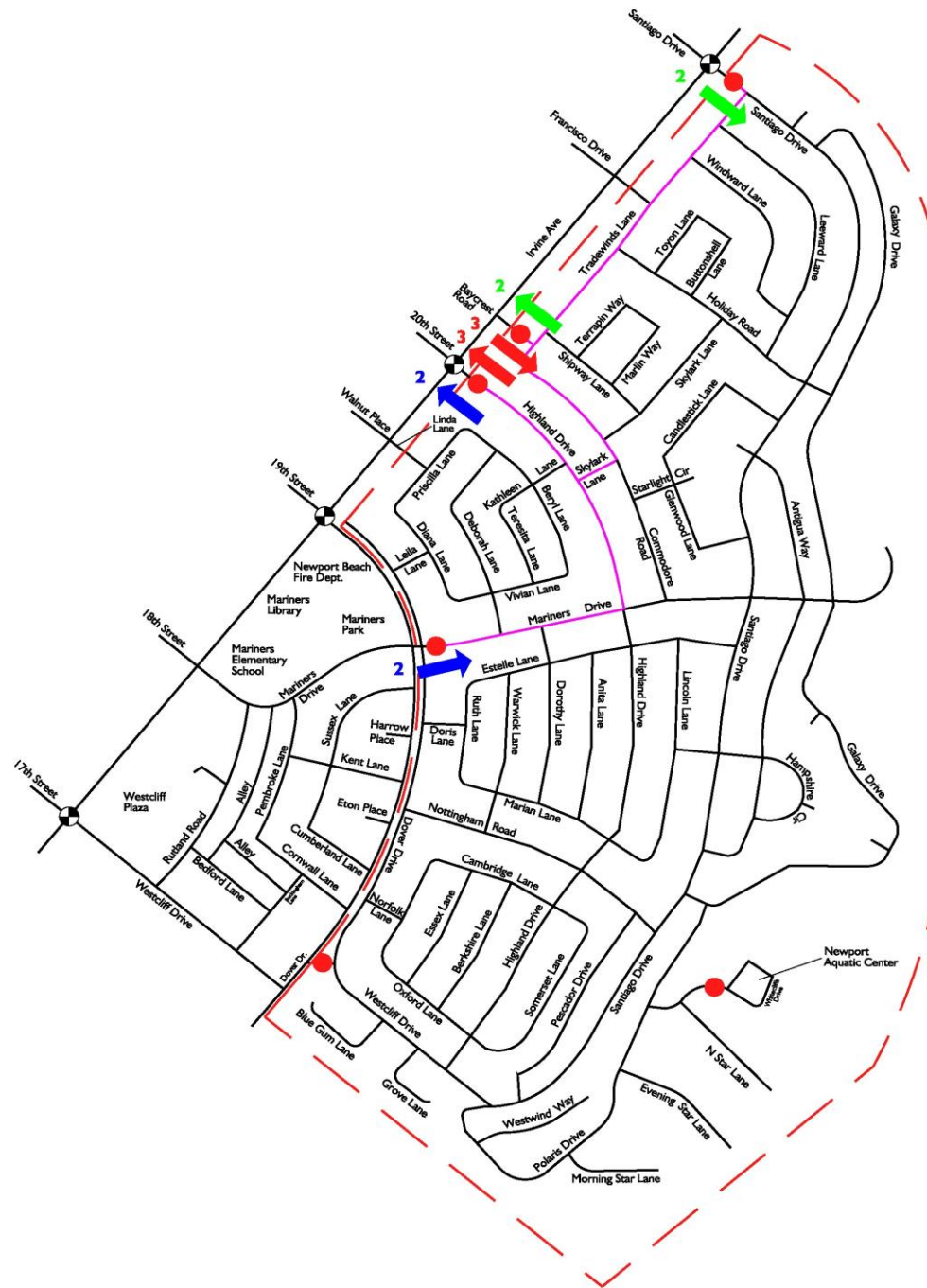
-  = Highest Route
-  = Second Highest Route
-  = Third Highest Route



Cut-Through Traffic

Saturday,
March 9, 2019




6-9 AM



Total Cut-Through's:

AM: **11** out of **651** vehicles

AM: 1 vehicle/18 min

-  = Highest Route
-  = Second Highest Route
-  = Third Highest Route



Appendix B-3

3rd Community Meeting
Presentation

Welcome Residents of Dover Shores & Mariners Neighborhoods

Review of:
Traffic Calming Concepts

Civic Center Community Room
100 Civic Center Drive
Newport Beach, CA 92660
Thursday, September 12, 2019
6:30 PM



Study Area

Dover Shores & Mariners Neighborhoods

Meeting Objective:

Discuss Traffic Calming Concepts
Next Steps
Q&A



Quick Review

- L-26 Policy
- Two Town Hall Meetings
- Review of Existing Conditions
- Community Feedback
- Traffic Collision Reports
- Traffic Data Collection
 - ADT (Average Daily Traffic)
 - 24 Hour Speed Surveys (Weekday/Weekend)
 - Origin/Destination (License Plate Surveys)







Existing Conditions Dover Shores & Mariners Neighborhoods

Roadway Widths

Santiago Drive	40'
Polaris Drive	40'
Galaxy Drive south of Mariners Drive	40'
Galaxy Drive north of Mariners Drive	36'
Leeward Lane	36'
Windward Lane	36'
Holby Road	40'
Antigua Way	36'
Clover Drive	32'
Highland Drive	40'
Mariners Drive	40'
Tradewinds Lane	40'
Westhill Drive	36'
Northingham Road	40'
Commodore Road	40'



Existing Traffic Control Signs

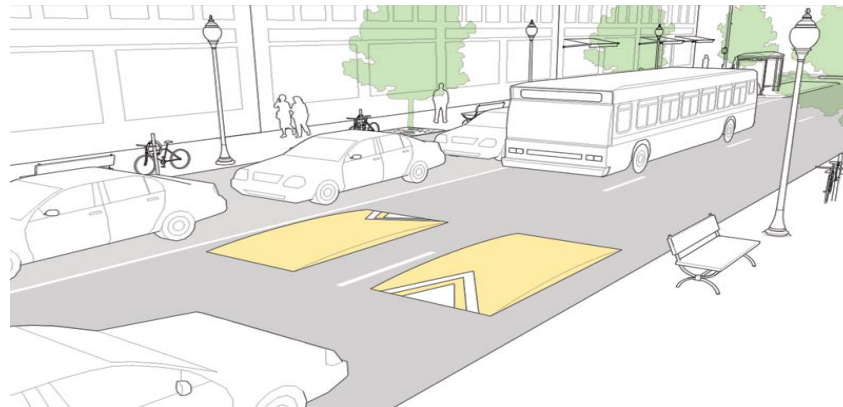
SIGN	QUANTITY
	30
	35
	12
	50



Traffic Calming Features

1. Speed Cushions (Asphalt)

Vertical traffic calming device that consists of raised “humps” or “lumps” that are placed across the roadway laterally. There are gaps for wheels to pass between the raised areas. Passenger vehicles need to reduce speeds, whereas emergency vehicles (fire trucks, ambulance, etc.) can traverse the cushion without reducing speed.

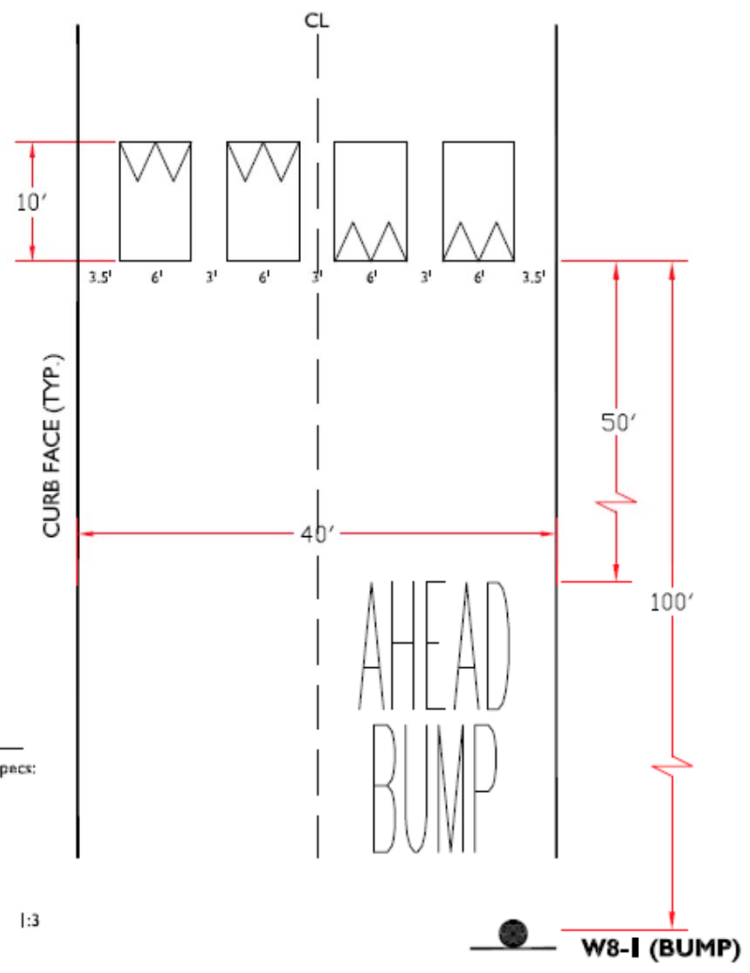


2. Roadway Striping

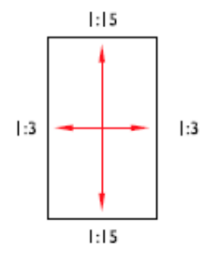
Provides a visual impression that the roadway width has been reduced, which has been shown to reduce vehicle speeds.



1. Speed Cushion Detail 40-Foot -Wide Street (i.e. Santiago)



Notes:
1. Speed Cushion Specs:



RATIO GRADIENTS
WITH 3" HEIGHT AT CENTER

* NOT TO SCALE
* NOT FOR CONSTRUCTION



Speed Cushion



Existing Speed Cushion Tustin Avenue

**Note: Future Speed
Cushions will be constructed
with asphalt as opposed to
rubber, to use the available
budget in a cost-effective
manner.**



Speed Cushion

PROS

- Reduces Vehicle Speeds
- Reduces Traffic Volumes
- Reduces Accidents
- Generally Supported by Residents
- Does not Remove Parking Spaces

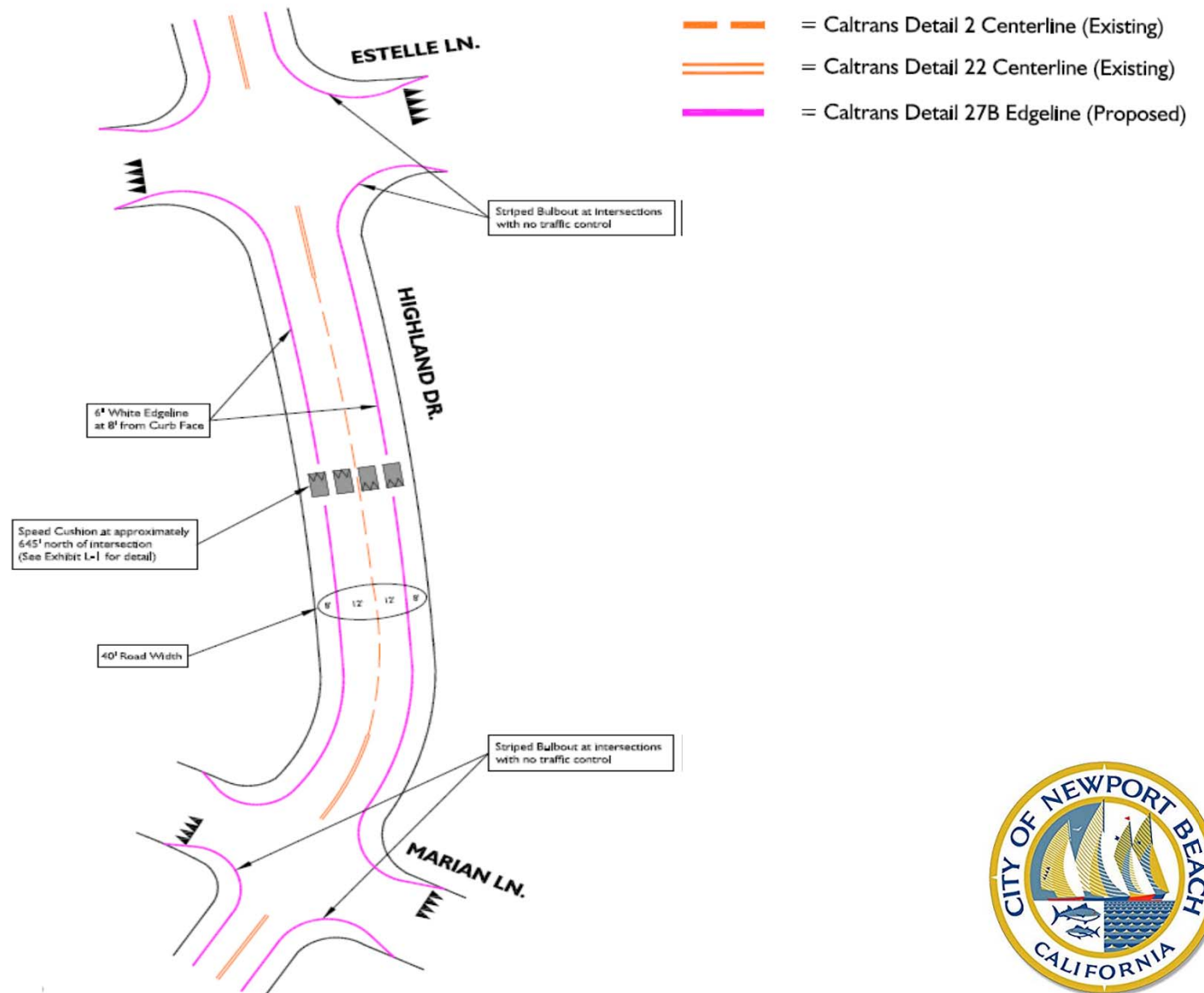


CONS

- May Cause Diversion of Traffic
- Requires Striping and Signage
- Construction/Maintenance Costs
- Increased Noise Levels
- Motorists Avoiding Cushions
May Deviate onto Shoulder
- May Impact Cyclists
- Possible Vehicle Damage



2. Roadway Striping Detail



Roadway Striping

PROS

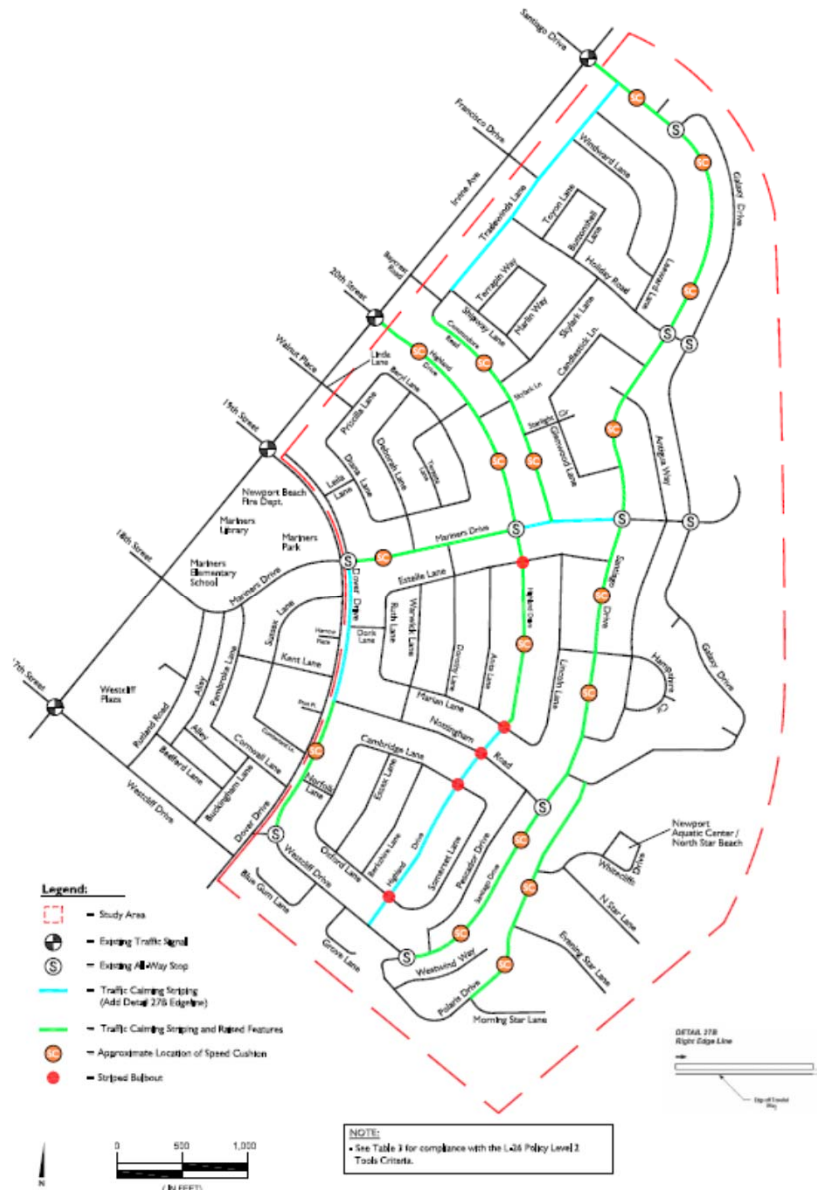
- Improves Vehicle Position
- Provides Continuous Information
- Can Reduce Vehicle Speeds
- Low Cost Construction/Maintenance
- Does Not Impact Emergency Response Times
- Reduces Accidents

CONS

- Driver Compliance Not 100%
- May Not Be Aesthetically Pleasing
- Maintenance Costs



Area-Wide Preliminary Conceptual Improvements Based on the L-26 Policy



Next Steps

1. City to provide a **PETITION** to the designee(s) of community with a list of homes that will need to sign the petition. (Per L-26 Council Policy)
(Early October)
2. Community members will collect signatures from **70%** of residents on the roads where speed cushions will be implemented. (Per L-26 Council Policy)
(Estimated Mid-December)
3. At the same time, RK will complete the **FINAL TRAFFIC STUDY**.
(Mid-November)
4. Once the **PETITIONS** are signed and the **TRAFFIC STUDY** is complete, city staff will present these items to the City Council for approval.
5. After City Council approval of the **TRAFFIC STUDY**, staff will send out a **BID TO CONTRACTORS** for improvements, with the final **BID RESULTS** presented to City Council for approval.
(Spring 2020)



Appendix C

Resident Emails

Got a call from a concerned home owner in Dover Shores area regarding speeding. He claims over the last 1.5 years cars and trucks haul [REDACTED] on Santiago Drive. Has something to do with WAVE contributing as well. The shortcut app? Anyway, I believe he is right and I've noticed the same thing. I suggested speed bumps and he liked the idea. He'd be up for anything. Speed signs and the like he believes will help. The HOA over there is not very strong so I don't think they can muster up a solution to help pay for it.

What steps need to be taken to confirm what he's saying? And, can we do anything about it?

Thanks,
[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Thursday, July 06, 2017 6:05 PM
To: [REDACTED]
Subject: FW: Speeding on Dover Dr.

[REDACTED]

Please have the interns prepare a SR and WO for a "25" marking on NB Dover next to the existing speed limit sign just north of Mariners Drive. Also, a new 25 MPH sign and marking on SB Dover Drive just south of Mariners. Both locations within the Mariners neighborhood. Thanks.

[REDACTED]

From: [REDACTED]
Sent: Thursday, July 06, 2017 5:28 PM
To: [REDACTED]
Subject: RE: Speeding on Dover Dr.

[REDACTED]

Thanks for your note below. My guess is that their already are posted speed limit signs, but I will ask our Traffic Engineering staff to look at the road and your request. The speeding you refer to typically needs to be addressed with more enforcement. We will also be advising the Police of your concerns.

Thank you for bring this to our attention.

Best Regards,
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Thursday, July 6, 2017 10:24 AM
To: [REDACTED]
Subject: Speeding on Dover Dr.

[REDACTED]

2 days ago a parked Maserati was smashed from behind in front of [REDACTED] Dover Dr. [REDACTED] houses away from mine. It was shoved approximately 30 feet and stopped against a light pole. Obviously the hit and run driver was travelling at an excessive rate of speed.

Just now, a car was heading southbound at a rate well over 50 MPH right in front of my house! As the streets have recently been paved and street painting is on going. Could you please have some 25 MPH signs posted and "25" painted in strategic locations along Dover Dr.? This is a residential neighborhood and not a highway!

From: [REDACTED]
To: [REDACTED]
Subject: FW: Neighborhood Traffic Study for the Dover Shores and Mariners Neighborhoods
Date: Wednesday, November 07, 2018 1:13:08 PM

For the study files.

-----Original Message-----

[REDACTED]
Sent: Sunday, November 04, 2018 2:32 PM

[REDACTED]
Subject: Neighborhood Traffic Study for the Dover Shores and Mariners Neighborhoods

[REDACTED]

Thank you for your letter dated October 29, 2018 regarding the impending Neighborhood Traffic Study for the Dover Shores area. My wife and I have lived in Newport Beach since the mid 1970's and in the Dover Shores area for the most part since the mid 1980's. We currently live on Commodore Road near the intersection with Tradewinds Lane. We have one of the worst "Cut-Through" traffic situations in the area and I would hope it could be included in your study.

Traffic going to work in the morning uses Commodore/Tradewinds/Baycrest Road to access Irvine Avenue, and evening traffic does the reverse, Irvine Ave./Baycrest/Tradewinds/Commodore to come home, in part to avoid the long traffic signal at Highland/20th and Irvine Avenue. The intersection of Commodore Road and Tradewinds Lane is an "elbow" right angle turn and motorists often cut the corner and drive at high speeds. Once they make the turn they often accelerate to even higher speeds along the straight section of Commodore. Cars have in the past lost control and ended up in the front yards of some of the homes on the southwestern side of the street.(2051 and 2057 Commodore Road)

There a quite a number of cars parked on the street as the configuration of the "elbow" at the Tradewinds/Commodore intersection, like a cul-de-sac, has limited space between driveways for parking. We also have a number of teenage drivers, so families have multiple cars. This situation limits visibility at this intersection and makes the turning movements even more difficult. As a good portion of the Dover Shores, Baycrest, Westcliff and Mariners neighborhoods use this "Cut-Through" at all times of the day, we experience an excessive volume of traffic as a result.

I believe this circumstance hits all the focus points of your proposed study: Traffic speeds, traffic volumes, accidents, and cut-through traffic. We have witnessed little or no Police enforcement, which I hope can be increased as a result of your study.

Although I cannot attend the meeting of November 29, I would be more than happy to discuss this with you in person or by telephone and my contact information is provided below.

[REDACTED]

[REDACTED]

Regards,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]
Subject: FW: Harbor Highlands/Mariners Traffic
Date: Wednesday, November 07, 2018 1:12:31 PM

For the study files.

From: [REDACTED]
Sent: Monday, November 05, 2018 7:15 PM
To: [REDACTED]
Subject: Harbor Highlands/Mariners Traffic

[REDACTED]

We recently received your letter regarding a neighborhood traffic study for Dover Shores/Mariners neighborhoods and this led me to understand that you may be in charge of traffic matters for our neighborhood. The one comment that I would have for you relates to 2 separate 4 way interchanges in our neighborhood- 1) the intersection of Beryl and Kathleen and 2) the intersection of Vivian and Deborah. In both cases, we have 4 way interchanges that do not have either a stop sign or yield sign on any corner. It would seem to me that at least having a yield sign on one street at each intersection would be a reasonable safety precaution. Most drivers find it highly unusual and are unsuspecting when they come upon an intersection without a stop or yield sign as they presume that the cross-street must have either a stop or yield sign.

Thanks for your consideration.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

*******Any tax advice included in this communication may not contain a full description of all relevant facts or a complete analysis of all relevant tax issues or authorities. This communication is solely for the intended recipient's benefit and may not be relied upon by any other person or entity. *******

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and any disclosure, copying, or distribution of

From: [REDACTED]
To: [REDACTED]
Subject: FW: Dover Shores & Mariners Neighborhood Traffic Study
Date: Wednesday, November 07, 2018 1:11:41 PM

For the study files.

From: [REDACTED]
Sent: Wednesday, November 07, 2018 1:08 PM
To: [REDACTED]
Subject: Dover Shores & Mariners Neighborhood Traffic Study

Good afternoon [REDACTED]

I won't be able to attend next Thursday's meeting however, I wanted to pass along a small piece of information I thought might be useful. Years ago, the traffic lights off Irvine Blvd were recalibrated to delay left-hand turns into Dover Shores with the desired goal of allowing traffic to flow more rapidly down Irvine Ave. While I certainly understand the goal of that change, one negative result is many people stopped using signalized intersections, specifically Highland Dr. and Dover Dr., to enter Dover Shores and instead started using secondary streets such as Francisco Dr., Baycrest Rd and E. Linda Lane. The result removed cars from the wider streets designed for larger amounts of traffic (including dips to slow cars down) and instead, put more cars on tertiary neighborhood streets. While this may not be the point of your traffic study, I noticed a dramatic increase in households putting up slow down, kids at play, etc. type signs trying to monitor the new increase of traffic. Fortunately, I don't live on any of the affected streets however, I am one of the many that use them... I now turn left Baycrest Road, right onto Commodore Road, right onto Mariners and left onto Highland Dr. rather than turning left on Highland Dr. due to the slow signal. As mentioned, this may not affect or be the point of your survey whatsoever, but simply wanted to provide this information for your knowledge. Thanks for your time and expertise, best of luck in your study.

[REDACTED]

This email does not constitute an acceptable offer and does not evidence any intention by sender to enter into a contract or agreement until a more formal and definitive written contract between the parties is fully executed. The email, including any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected by law from unauthorized disclosure. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

Brine, Tony

From: [REDACTED]
Sent: Wednesday, November 08, 2017 7:55 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: Fwd: requesting a traffic study, please

[REDACTED]

[REDACTED]

----- Original message -----

From: [REDACTED]
Date: 11/7/17 7:32 PM (GMT-08:00)
To: [REDACTED]
Subject: requesting a traffic study, please

[REDACTED] I am a resident of Dover Shores and my address is [REDACTED] I am writing to request a traffic study on my street or better yet, I would love it if we could add speed bumps up and down Dover Drive inside Dover Shores. Drivers use our street as a short cut to avoid traffic on big Dover Drive and they drive up to 50-55 mph. I would love it if an officer would sit in my driveway and hand out tickets all day...maybe that would slow some people down. We have children, bikes, walkers, joggers and dogs who are put at risk by these speeding cars. Some days I have trouble pulling into my own driveway because cars come up so fast behind me. My family and I tend to park in front of our house but need to be very careful getting in and out of our cars due to the high rate of speed of the cars passing by. Please help us before there is an accident. Thank you,

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Galaxy Drive speed
Date: Thursday, November 08, 2018 10:08:23 AM

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Thursday, November 08, 2018 7:42 AM
To: [REDACTED]
Subject: Galaxy Drive speed

[REDACTED]

I received your notice regarding the Neighborhood Traffic Study for Dover Shores and wanted to bring to your attention the need to study the speed of traffic on Galaxy Drive between Santiago and Mariners Drive. Along this stretch of roadway, Galaxy Drive is a single-loaded street. This creates an apparent sense of freedom to speed. Can the City study traffic speeds along this section of Galaxy Drive?

Thank you.

[REDACTED]

From: [REDACTED]
To: [REDACTED]
Subject: FW: Dover Shores Traffic Study
Date: Thursday, November 08, 2018 3:50:13 PM

For the study file.

From: [REDACTED]
Sent: Thursday, November 08, 2018 3:25 PM
To: [REDACTED]
Subject: Dover Shores Traffic Study

[REDACTED]

Thank you for the notification of the proposed traffic study in our neighborhood. I will not be able to attend the Town Hall meeting on November 29, but there are a few issues I hope will be addressed.

Little Dover Drive is a main thoroughfare for bicycling school children. This is especially an issue between 8 am and 9 am and 2:30 pm to 4:00 pm. In addition, the Jr. Lifeguards use this road extensively during the summer months.

Cars routinely exceed 40 mph along this stretch.

There have been several accidents involving speeding cars hitting parked cars along Dover. My rear view mirror was destroyed earlier this summer by a hit and run driver.

I would support speed bumps along Dover. The ones on 16th street are an example of residential speed bumps that don't seem to affect emergency response.

I'm not sure signs are the answer, but additional indicators of the speed limit couldn't hurt. Also enforcement of the speed limit should be an element of traffic control.

I am looking forward to documentation of the focus of the study and of course the report of findings of the study and the mitigation measures recommended.

I hope that this information becomes readily available.

Sincerely,

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Thursday, November 29, 2018 10:27 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Neighborhood Traffic Study

Another e-mail for the records.

-----Original Message-----

[REDACTED]
Sent: Thursday, November 29, 2018 9:15 AM

[REDACTED]
Subject: Neighborhood Traffic Study

Good morning [REDACTED]

Thank you for your letter regarding tonight's Town Hall meeting to discuss neighborhood traffic. We are unable to attend so are offering our suggestion as Newport Beach residents.

We are in the Dover Shores area and the traffic on Nottingham Road is substantially high. That is because it is somewhat of a collector street. Many residents walk the street throughout the day and evening and Nottingham is well traveled by children on bikes to and from Mariners School. It is frequent that drivers travel so fast they could not slow down for unforeseen pedestrians, etc..... Unfortunately, I suspect the fast drivers are local residents who know it is a long block from Highland Drive to Dover, passing Warwick Lane on the right when traveling westbound on Nottingham Road. To slow down the speed of vehicles on Nottingham Road I suggest stop signs (versus speed bumps) in both directions on Nottingham Road at the Warwick Lane intersection.

Thank you.

Rogier Goedecke

From: Brine, Tony <tbrine@newportbeachca.gov>
Sent: Monday, December 03, 2018 9:17 AM
To: Rodriguez, Adrian; Rogier Goedecke
Subject: FW: Traffic Study: Images of ("little") Dover Drive Bike Riders

Please see the e-mail below for review as part of the study. Thanks.

Tony Brine, P.E., T.E.
City Traffic Engineer
100 Civic Center Drive
Newport Beach, CA 92660
Phone: (949) 644-3329
e-mail : tbrine@newportbeachca.gov

From: [REDACTED]
Sent: Friday, November 30, 2018 2:38 PM
To: Brine, Tony <tbrine@newportbeachca.gov>
Cc: [REDACTED]
Subject: Traffic Study: Images of ("little") Dover Drive Bike Riders

Tony:
It was a pleasure meeting with you last night, my wife Leslie and I are really excited that a comprehensive traffic study is underway for the area we live in. Last night I had mentioned that many streets in Dover Shores and particularly little Dover Drive have lots of bike traffic. Mariners at Dover is a main intersection to Mariners Elementary and many students ride South on Little Dover to Westcliff every day to reach Newport Harbor and Ensign Middle School.

Attached are images form 7:30 this morning as I travelled North on Dover. You will see two groups of kids in typical groups riding. The second couple of shots shows a truck behind the boys and then another red bug behind the truck. Shortly after taking the photo the truck crossed over the middle line and passed the kids on the wrong side of the street. I understand why, but clearly this points to the issue of design, safety and shared access with bikes, pedestrians and autos.

I look forward to continuing the dialogue.

Best regards,

[REDACTED]
[REDACTED]
[REDACTED]







Rogier Goedecke

From: Rodriguez, Adrian <arodriguez@newportbeachca.gov>
Sent: Tuesday, April 30, 2019 4:56 PM
To: Rogier Goedecke
Cc: Bob Kahn; Brine, Tony
Subject: RE: Mariners and Dover Shores Neighborhood Traffic Calming Study, City of Newport Beach (JN:0559-2018-01 / RK15123)
Attachments: MergedDocuments6_375.pdf

Hi Rogier,

On a different note, we received several emails from citizens who can't make this upcoming meeting, but wanted to submit comments. I have attached a pdf with all of their comments for your use in the report.

There was also one additional call with details as follows:

Who: [REDACTED]

Comments: Stated that Westcliff/Dover should be reviewed as part of the report for potential traffic calming
Claims that several high performance vehicles use the intersection and that we should consider road noise as well as speed/ADT in our review.

While I told him that we don't generally review noise as part of L-26, I agreed that we forward his comment to you and would definitely keep it in mind in case other neighbors have similar comments.

I gave you every email that I received, but you will probably notice that some residents requested the final report. I notified those residents that we have not completed the report at this time, but that we will make it available for their review once it is complete.

Feel free to let me know if you have any further questions or concerns relating to any of this and I will be happy to help.

Regards,

Adrian Rodriguez
Assistant Engineer
City of Newport Beach
Public Works Department
Email: arodriguez@newportbeachca.gov
Tel: (949) 644-3345

From: Rogier Goedecke [mailto:[REDACTED]]
Sent: Tuesday, April 30, 2019 4:17 PM
To: Rodriguez, Adrian <arodriguez@newportbeachca.gov>
Cc: Bob Kahn <rk@rkengineer.com>; Brine, Tony <tbrine@newportbeachca.gov>
Subject: RE: Mariners and Dover Shores Neighborhood Traffic Calming Study, City of Newport Beach (JN:0559-2018-01 / RK15123)

Fantastic! Thanks for organizing it! Should be a productive meeting!

[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Monday, April 29, 2019 12:58 PM
To: Rodriguez, Adrian
Cc: [REDACTED]
Subject: Town Hall Meeting / 05-02-19 re: Mariners/Dover Shores Traffic Calming Study

Good afternoon, Mr. Rodriguez.

My name is [REDACTED] I reside at [REDACTED] in the Mariners/Dover Shores neighborhood. I received your letter this weekend and I appreciate the invite to attend your meeting. Unfortunately, I will be working in Hawaii this week and cannot attend. I wasn't able to attend the first meeting you had, also due to work travel.

I would like to share my own observations with you - ones that I have shared with a variety of Newport Beach police officers as well. I have noticed that in the last 6 months, drivers of all sexes, ages and races have **ZERO** regard for the several stop signs in our neighborhood. I notice people constantly running through the sections without stopping (while I am either driving myself, or walking my dog).

This is getting absolutely ridiculous that there is **ZERO** enforcement! These people don't even have the courtesy to at least attempt the old "California Stop" (the slow rolling through an intersection).

These constant violations are occurring daily at the following locations:

- Mariners & Dover across from Mariners Elementary School
- The entry way off of Dover & Westcliff going into the community
- Westcliff & Santiago
- Highland & Mariners
- Santiago & Nottingham
- Polaris & Galaxy

In addition those violations, you should see high rates of speed that drivers use on Polaris and Galaxy. It's almost too dangerous to walk or ride a bike.

I would very much like to see more police presence and more citations written for these egregious violations. It really seems to me that civilians flaunt the law do not care and I find it hard to believe that the police have not taken some action.

Feel free to share my email with whomever at the meeting.

Thank you for your time and attention my email, sir. I look forward to your response.

[REDACTED]

[REDACTED]

[REDACTED]

From:

[REDACTED]

Sent:

Sunday, April 28, 2019 6:33 PM

To:

Rodriguez, Adrian

Subject:

Dovershores Traffic Study

Are the results of the study available to review prior to the townhall meeting Thursday?

Thanks,

[REDACTED]

From:

[REDACTED]

Sent:

Friday, April 26, 2019 1:18 PM

To:

Rodriguez, Adrian

Subject:

Traffic Calming Study

Adrian

Is it possible to obtain a copy of the Mariners/Dover Shores Neighborhood Traffic Calming Study prior to the town hall meeting on 5.2.19

If so please send a PDF copy to this email address

Thanks

[REDACTED]

From:



Sent:

Friday, April 26, 2019 8:39 AM

To:

Rodriguez, Adrian

Subject:

town hall meeting

Adrian,

Thank you for having another Town Hall Meeting. I will be out of town and therefore unable to attend.

You may want to speak to the police officer who was walking across Santiago this morning and was almost hit by a speeding white Lexus. The female driver continued to speed and not even slow down for the stop sign. I then lost sight of her due to her speed. The officer had a shocked look on his face.

Good luck with the meeting.

Regards,



From:

[REDACTED]

Sent:

Thursday, April 25, 2019 5:17 PM

To:

Rodriguez, Adrian

Subject:

Town Hall Meeting

Dear Mr. Rodriguez,

Thanks for your invitation. While you are trying to show concern for Newport Beach citizens, I hope it is not a cover-up for what bribed Supervisors are getting ready to give to their buyers more privileges at the S.A. Airport. I have been bombarded with airplane noise for 33 years here in 1945 Santiago Dr. and given up hope to see any responsible government to take action. Are we being fooled again?

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Wednesday, May 01, 2019 4:01 PM
To: Rodriguez, Adrian
Subject: Mariners/Dover Shores Traffic Calming Study

Hello Adrian,

I was pleased to receive your notice in our mail regarding the town hall meeting to discuss traffic calming in Dover Shores. I am unable to attend the meeting but would like to share my experience on our street Tradewinds Lane. Tradewinds runs parallel to Irvine Ave and is only one street interior so people use our street as a thoroughfare to avoid Irvine avenue and often speeding above 50mph. It is incredibly unsafe for all the young children on our street (20+ kids under 5). A 4 way stop sign at Francisco and Tradewinds would likely alleviate some of the speeding as it would no longer be a straight shot for 4 blocks. Another alternative would be to add medians like Costa Mesa did on Broadway in Eastside. That slowed down the speeders tremendously. Thank you for your consideration and I can be reached at any time to discuss further.

Thank you,

[REDACTED]

[REDACTED]

Rogier Goedecke

From: Rodriguez, Adrian <arodriguez@newportbeachca.gov>
Sent: Thursday, May 02, 2019 8:30 AM
To: Rogier Goedecke
Cc: Brine, Tony; Bob Kahn
Subject: Mariners/Dover Shores Traffic Calming Study - Additional Resident Comments
Attachments: Mariners-Dover Shores Traffic Calming Study.pdf

Hi Rogier,

I just received 2 more resident comments.

Please see attached and below for your use:

Who: [REDACTED] No address given

Comments: Stated that Polaris near the NAC should be reviewed as part of the study. Claims that NAC users often speed up and down the road as they drive to and from the NAC.

Thanks

Rogier Goedecke

From: Rodriguez, Adrian <arodriguez@newportbeachca.gov>
Sent: Thursday, September 05, 2019 10:55 AM
To: Rogier Goedecke
Cc: Brine, Tony
Subject: FW: Mariners/Dover Shores Traffic Calming Study

Hi Rogier,

Just wanted to send over another resident's comments to include as part of the study.

Thanks!

Adrian Rodriguez
Assistant Engineer
City of Newport Beach
[Public Works Department](#)
Email: arodriguez@newportbeachca.gov
Tel: (949) 644-3345

From:
Sent: Thursday, September 05, 2019 9:58 AM
To: Rodriguez, Adrian <arodriguez@newportbeachca.gov>
Subject: Re: Mariners/Dover Shores Traffic Calming Study

Thank you ... it would be great if you could pass along to the consultants the following comments regarding the 4 way stop at Mariners Drive & Santiago Drive in Dover Shores:

1. No cars EVER stop at the 4 way stop.
2. Cars race so fast down Santiago Drive 24 hours per day. It's very scary since we have young kids and adults walking, riding bikes and playing in neighborhood. I am sure the City will not allow speed bumps, but that would be a great step towards a solution.
3. Cars do burn out circles in the intersection at night at high speeds.
4. I have witnessed several cars almost hitting pedestrians or bicyclists as they cross the intersection ... very scary. This has gone on for the 20 years that we've lived here and it needs to be address resolved, and must stop.
5. A smaller issue is that cars do not allow me to back out of our driveway because they are going so fast in a rush to get to their locations down the street and NAC.

I really hope that something is being done about this intersection. It is disturbing to watch the flagrant violations of the drivers not even attempt to slow down at a stop sign. And racing as fast as they can down the street.

Hopefully someone has monitored this intersection and watched how scary this intersection is on a daily basis at all hours of the day.

If anyone would like to speak with me further, I can be reached at

949-463-3724. Thanks so much,

On Sep 5, 2019, at 9:15 AM, Rodriguez, Adrian <arodriguez@newportbeachca.gov> wrote:

Hi ,

We have been working with our consultant to come up with preliminary conceptual improvements that will be ready at the time of the meeting. Unfortunately we won't have the concepts ready before the meeting. We will, however, post the presentation from the meeting here:

<https://www.newportbeachca.gov/government/departments/public-works/transportation>

Right now, the link on that page still shows the presentation from our last town hall meeting, but we will upload the presentation from the September 12 meeting a few days after the meeting is concluded.

That being said, if you have any further comments regarding the intersection of Mariners Drive and Santiago Drive, or any other area of the neighborhood I would be happy to forward on your comments to our consultant so that they can be incorporated into the study.

We appreciate your interest in the project.

Regards,

Adrian Rodriguez
Assistant Engineer
City of Newport Beach
Public Works Department
Email: arodriguez@newportbeachca.gov
Tel: (949) 644-3345

From: H [REDACTED] **Sent:** Thursday, September 05, 2019 7:56 AM
To: Rodriguez, Adrian <arodriguez@newportbeachca.gov>
Subject: Mariners/Dover Shores Traffic Calming Study

Hi ... I am a resident in Dover Shores, at the scary intersection of Mariners Drive & Santiago Drive (people don't stop at the 4-way stop sign ever and they speed at such fast speeds down Santiago Drive). Unfortunately, I will be out of town when the town hall meeting is held on 9/12/19. Is there any information you can send me so I can see what the City has planned for calming the traffic issues in our neighborhood.

Thanks so much,

Santiago Drive Newport
Beach, CA 92660

Appendix D

Collision Data

**Traffic Collision Reports
(09/2008 - 08/2018)
Newport Beach Police Department**

	Report Number	Date	Time	Age of Party at Fault	Location	Type	Comments	Primary Collision Factor	
1	18004518	6/12/2018	10:15	35	Santiago Dr. 27 ft. W of Galaxy Dr.	O	Hit fire hydrant while making right turn	22107	Unsafe turning movement
2	09-6130	6/27/2009	1:00	-	Santiago Dr. 295 ft. S of Galaxy Dr.	P	Rear end	22107	Unsafe turning movement
3	13-03778	5/8/2013	22:40	57	Santiago Dr. 139 ft. E of Galaxy Dr.	P	Sideswipe; under the influence	20002(a)	Misdemeanor hit and run
4	15004066	5/16/2015	17:03	35	Galaxy Dr. 150 ft. N of Santiago Dr.	O	Hit concrete light pole while backing	23152(a)	DUI
5	16002027	3/9/2016	13:54	46	Santiago Dr. 109 ft. N of Holiday Dr.	B	Hit while making a left turn by bicycle passing on left	22106	Starting or backing when unsafe
6	17004971	6/21/2017	16:54	43	Santiago Dr. 80 ft. N of Antigua Way	O	Hit curb and tree and tipped over; under the influence	21750(a)	Unsafe passing on the left
7	18006710	8/17/2018	17:16	75	Santiago Dr. 114 ft. S of Antigua Cir	O	Hit tree and tree fell and hit another vehicle	23152(a)	DUI
8	10-6791	7/15/2010	11:32	18	Mariners Dr. 200 ft. W of Santiago Dr.	V	Broadsided; made left from parked to enter traffic	22107	Unsafe turning movement
9	11-09983	11/16/2011	8:51	17	Mariners Dr. 41 ft. E of Santiago Dr.	V	Rear end	22350	Unsafe speed
10	13-03098	4/17/2013	3:00	-	Mariners Dr. 21 ft. W of Santiago Dr.	O	Hit fire hydrant	22350	Unsafe speed
11	10-7671	8/6/2010	20:44	16	Westcliff Dr. 137 ft. W of Santiago Dr.	O	Hit street light pole while making left turn	20002(a)	Misdemeanor hit and run
12	14006602	8/19/2014	10:37	70	Westcliff Dr. 97 ft. W of Santiago Dr.	P	Rear end; parked vehicle jolted and hit 2 pedestrians	22107	Unsafe turning movement
13	09-09023	9/6/2009	21:55	14	Mariners Dr. 270 ft. W of Highland Dr.	B	Rear end; texting while driving bicycle; ejected	22350	Unsafe speed
14	13-07573	9/2/2013	6:59	17	Mariners Dr. 61 ft. N of Highland Dr.	O	Hit curb while making unsafe left turn	23123.5	Texting while operating a vehicle
15	15005573	6/30/2015	11:17	37	Mariners Dr. 370 ft. E of Galaxy Dr.	B	Bicyclist could not brake on time and fell	22107	Unsafe turning movement/ failure to maintain straight course
16	11-0505	1/17/2011	11:39	64	Highland Dr. 465 ft. S of Estelle Ln.	V	Backed into vehicle going forward	22350	Unsafe speed
17	09-2126	3/8/2009	1:00	24	Highland Dr. 195 ft. N of Marian Ln.	O	Hit tree; under the influence	22106	Starting or backing when unsafe
18	11-09795	11/9/2011	1:57	-	Highland Dr. 12 ft. N of Marian Ln.	O	Hit shrubs	23152(a)	DUI
19	12-08652	10/3/2012	1:38	22	Highland Dr. 17 ft. N of Westcliff Dr.	O	Hit concrete curb and fire hydrant while making left turn; under the influence	22107	Unsafe turning movement
20	08-10136	9/9/2008	22:44	17	Westcliff Dr. at Highland Dr.	O	Hit fence	20002(a)	Misdemeanor hit and run
21	08-10496	9/19/2008	19:25	44	Westcliff Dr. at Highland Dr.	B	Hit bicycle while making left turn	22350	Unsafe speed
22	09-01687	2/22/2009	14:40	28	Polaris Dr. 426 ft. S of Galaxy Dr.	P	Rear end; under the influence	21810(a)	failure to yield right-of-way to approaching vehicles
23	18004830	6/22/2018	11:39	56	Polaris Dr. 11 ft. S of White Cliffs Dr.	B	Sideswipe; electronic bicycles; while making right turn	23152(a)	DUI
24	18005859	7/22/2018	8:26	29	Polaris Dr. 60 ft. S of White Cliffs Dr.	B	Lost control going downhill, fell and ejected	20002(a)	Misdemeanor hit and run
25	09-2264	3/12/2009	16:04	16	White Cliffs Dr. at Polaris Dr.	B	Bicyclist riding on sidewalk; hit stopped vehicle; broadside	22107	Unsafe turning movement
26	10-03318	4/14/2010	17:01	-	Polaris Dr. 396 ft. S of Morning Star Ln.	P	Sideswipe	22350	Unsafe speed
27	13-09334	11/3/2013	18:21	17	Polaris Dr. 212 ft. N of Morning Star Ln.	O	Hit curb; drove on sidewalk; sideswiped parked car; damaged landscaping; sent large boulder to hit another parked car; tipped over	21202(a)	Failure to maintain the right most portion of the roadway

O = hit fixed object; P = hit parked vehicle; B = bicycle(s) involved; V = hit (non-parked) vehicle

Appendix E-1

ADT and Speed Data
Thursday, February 7, 2019

Counts Unlimited, Inc.

City of Newport Beach
 Baycrest Road
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB003
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	4			0	12				
12:15		0	2			1	11				
12:30		0	6			0	14				
12:45		0	8	1	20	0	10	1	47	2	67
01:00		0	10			0	11				
01:15		0	4			0	11				
01:30		0	10			0	11				
01:45		0	4	0	28	0	8	0	41	0	69
02:00		0	4			0	11				
02:15		0	7			0	15				
02:30		1	6			0	22				
02:45		0	7	1	24	0	17	0	65	1	89
03:00		0	11			0	14				
03:15		0	6			0	22				
03:30		0	12			0	22				
03:45		2	7	2	36	0	8	0	66	2	102
04:00		0	5			0	19				
04:15		0	8			0	15				
04:30		0	9			0	29				
04:45		0	8	0	30	0	26	0	89	0	119
05:00		0	5			0	19				
05:15		4	7			2	19				
05:30		3	5			0	21				
05:45		3	6	10	23	1	25	3	84	13	107
06:00		1	8			1	21				
06:15		2	7			2	17				
06:30		5	9			0	19				
06:45		7	3	15	27	6	15	9	72	24	99
07:00		6	4			7	11				
07:15		4	4			2	19				
07:30		7	4			8	12				
07:45		8	3	25	15	9	15	26	57	51	72
08:00		9	3			9	11				
08:15		15	5			6	8				
08:30		5	1			16	8				
08:45		17	4	46	13	13	10	44	37	90	50
09:00		6	3			11	3				
09:15		9	4			14	6				
09:30		8	4			18	1				
09:45		5	3	28	14	9	5	52	15	80	29
10:00		9	2			7	2				
10:15		9	1			11	4				
10:30		3	5			5	3				
10:45		7	0	28	8	9	1	32	10	60	18
11:00		7	0			15	1				
11:15		12	1			10	1				
11:30		5	0			12	0				
11:45		12	0	36	1	10	0	47	2	83	3
Total		192	239	192	239	214	585	214	585	406	824
Combined Total		431		431		799		799		1230	
AM Peak	-	08:00	-	-	-	08:45	-	-	-	-	-
Vol.	-	46	-	-	-	56	-	-	-	-	-
P.H.F.	-	0.676	-	-	-	0.778	-	-	-	-	-
PM Peak	-	-	02:45	-	-	-	04:30	-	-	-	-
Vol.	-	-	36	-	-	-	93	-	-	-	-
P.H.F.	-	-	0.750	-	-	-	0.802	-	-	-	-
Percentage		44.5%	55.5%			26.8%	73.2%				
ADT/AADT		ADT 1,230		AADT 1,230							

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB014
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4
06:00	2	0	1	2	0	0	0	0	0	0	0	0	0	0	5
07:00	2	2	5	3	2	0	0	0	0	0	0	0	0	0	14
08:00	5	2	5	7	3	0	0	0	0	0	0	0	0	0	22
09:00	1	1	0	2	2	0	0	0	0	0	0	0	0	0	6
10:00	2	0	4	9	1	0	0	0	0	0	0	0	0	0	16
11:00	0	1	6	9	3	0	0	0	0	0	0	0	0	0	19
12 PM	0	1	4	5	2	0	0	0	0	0	0	0	0	0	12
13:00	3	2	1	15	8	0	0	0	0	0	0	0	0	0	29
14:00	5	1	3	13	3	0	0	0	0	0	0	0	0	0	25
15:00	4	5	11	14	0	0	0	0	0	0	0	0	0	0	34
16:00	3	2	9	10	3	0	0	0	0	0	0	0	0	0	27
17:00	1	1	8	11	4	0	0	0	0	0	0	0	0	0	25
18:00	0	1	6	6	2	1	0	0	0	0	0	0	0	0	16
19:00	0	0	4	8	1	1	0	0	0	0	0	0	0	0	14
20:00	1	1	4	6	0	0	0	0	0	0	0	0	0	0	12
21:00	0	0	3	5	2	1	0	0	0	0	0	0	0	0	11
22:00	0	0	1	2	2	1	0	0	0	0	0	0	0	0	6
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	33	21	76	127	38	4	0	0	0	0	0	0	0	0	299

Daily
 15th Percentile : 17 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 203
 Percent in Pace : 67.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB014
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
06:00	5	0	1	2	2	0	0	0	0	0	0	0	0	0	10
07:00	1	0	5	27	5	0	0	0	0	0	0	0	0	0	38
08:00	3	5	16	19	6	2	0	0	0	0	0	0	0	0	51
09:00	2	0	4	12	8	0	0	0	0	0	0	0	0	0	26
10:00	3	2	6	11	4	2	0	0	0	0	0	0	0	0	28
11:00	2	2	2	11	6	1	0	0	0	0	0	0	0	0	24
12 PM	1	0	4	15	13	1	0	0	0	0	0	0	0	0	34
13:00	1	1	8	17	3	1	0	0	0	0	0	0	0	0	31
14:00	6	4	5	24	15	1	0	0	0	0	0	0	0	0	55
15:00	3	1	13	24	8	0	0	0	0	0	0	0	0	0	49
16:00	3	3	16	22	6	1	0	0	0	0	0	0	0	0	51
17:00	4	2	9	29	12	1	0	0	0	0	0	0	0	0	57
18:00	0	0	6	28	6	0	0	0	0	0	0	0	0	0	40
19:00	0	0	7	19	3	1	0	0	0	0	0	0	0	0	30
20:00	0	1	3	12	4	2	0	0	0	0	0	0	0	0	22
21:00	0	0	1	6	0	0	0	0	0	0	0	0	0	0	7
22:00	0	0	1	1	3	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
Total	35	21	108	285	105	13	0	0	0	0	0	0	0	0	567

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 393
 Percent in Pace : 69.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB014
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	2	1	0	0	1	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	3	0	1	3	0	0	0	0	0	0	0	0	0	0	7
06:00	7	0	2	4	2	0	0	0	0	0	0	0	0	0	15
07:00	3	2	10	30	7	0	0	0	0	0	0	0	0	0	52
08:00	8	7	21	26	9	2	0	0	0	0	0	0	0	0	73
09:00	3	1	4	14	10	0	0	0	0	0	0	0	0	0	32
10:00	5	2	10	20	5	2	0	0	0	0	0	0	0	0	44
11:00	2	3	8	20	9	1	0	0	0	0	0	0	0	0	43
12 PM	1	1	8	20	15	1	0	0	0	0	0	0	0	0	46
13:00	4	3	9	32	11	1	0	0	0	0	0	0	0	0	60
14:00	11	5	8	37	18	1	0	0	0	0	0	0	0	0	80
15:00	7	6	24	38	8	0	0	0	0	0	0	0	0	0	83
16:00	6	5	25	32	9	1	0	0	0	0	0	0	0	0	78
17:00	5	3	17	40	16	1	0	0	0	0	0	0	0	0	82
18:00	0	1	12	34	8	1	0	0	0	0	0	0	0	0	56
19:00	0	0	11	27	4	2	0	0	0	0	0	0	0	0	44
20:00	1	2	7	18	4	2	0	0	0	0	0	0	0	0	34
21:00	0	0	4	11	2	1	0	0	0	0	0	0	0	0	18
22:00	0	0	2	3	5	1	0	0	0	0	0	0	0	0	11
23:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
Total	68	42	184	412	143	17	0	0	0	0	0	0	0	0	866

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 596
 Percent in Pace : 68.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 S/ Tradewinds Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB013
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
06:00	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
07:00	5	1	5	6	1	0	0	0	0	0	0	0	0	0	18
08:00	0	1	7	6	6	0	0	0	0	0	0	0	0	0	20
09:00	2	0	1	3	2	1	0	0	0	0	0	0	0	0	9
10:00	2	0	2	6	5	0	0	0	0	0	0	0	0	0	15
11:00	2	2	0	9	2	0	0	0	0	0	0	0	0	0	15
12 PM	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
13:00	0	0	1	9	9	1	1	0	0	0	0	0	0	0	21
14:00	3	1	4	7	3	0	0	0	0	0	0	0	0	0	18
15:00	0	1	3	6	5	0	0	0	0	0	0	0	0	0	15
16:00	0	2	5	5	7	3	0	0	0	0	0	0	0	0	22
17:00	4	1	0	9	3	0	0	0	0	0	0	0	0	0	17
18:00	2	1	3	6	3	1	0	0	0	0	0	0	0	0	16
19:00	2	0	1	4	0	0	1	0	0	0	0	0	0	0	8
20:00	1	0	3	3	2	1	0	0	0	0	0	0	0	0	10
21:00	4	1	2	4	1	0	0	0	0	0	0	0	0	0	12
22:00	0	0	1	1	3	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	27	12	43	92	55	7	2	0	0	0	0	0	0	0	238

Daily
 15th Percentile : 18 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 147
 Percent in Pace : 61.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 S/ Tradewinds Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB013
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	3	0	0	0	0	0	0	0	0	0	0	4
06:00	5	0	0	2	1	1	0	0	0	0	0	0	0	0	9
07:00	7	3	4	9	4	1	0	0	0	0	0	0	0	0	28
08:00	1	5	12	5	7	0	1	0	0	0	0	0	0	0	31
09:00	6	2	6	12	8	1	0	0	0	0	0	0	0	0	35
10:00	4	0	4	12	4	1	0	0	0	0	0	0	0	0	25
11:00	5	1	4	9	8	2	1	0	0	0	0	0	0	0	30
12 PM	1	2	3	17	8	3	0	0	0	0	0	0	0	0	34
13:00	0	1	7	8	10	2	1	0	0	0	0	0	0	0	29
14:00	4	2	8	15	17	4	1	0	0	0	0	0	0	0	51
15:00	4	1	10	18	9	4	0	0	0	0	0	0	0	0	46
16:00	2	3	15	27	22	3	1	0	0	0	0	0	0	0	73
17:00	1	2	13	28	24	2	0	0	0	0	0	0	0	0	70
18:00	4	1	4	21	15	2	0	0	0	0	0	0	0	0	47
19:00	3	0	7	20	10	2	0	0	0	0	0	0	0	0	42
20:00	1	2	6	11	4	2	0	0	0	0	0	0	0	0	26
21:00	1	0	3	6	2	0	0	0	0	0	0	0	0	0	12
22:00	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Total	49	26	107	226	156	30	5	0	0	0	0	0	0	0	599

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 382
 Percent in Pace : 63.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 S/ Tradewinds Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB013
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	6	1	0	0	0	0	0	0	0	0	0	8
06:00	5	0	2	3	2	1	0	0	0	0	0	0	0	0	13
07:00	12	4	9	15	5	1	0	0	0	0	0	0	0	0	46
08:00	1	6	19	11	13	0	1	0	0	0	0	0	0	0	51
09:00	8	2	7	15	10	2	0	0	0	0	0	0	0	0	44
10:00	6	0	6	18	9	1	0	0	0	0	0	0	0	0	40
11:00	7	3	4	18	10	2	1	0	0	0	0	0	0	0	45
12 PM	1	3	6	20	9	3	0	0	0	0	0	0	0	0	42
13:00	0	1	8	17	19	3	2	0	0	0	0	0	0	0	50
14:00	7	3	12	22	20	4	1	0	0	0	0	0	0	0	69
15:00	4	2	13	24	14	4	0	0	0	0	0	0	0	0	61
16:00	2	5	20	32	29	6	1	0	0	0	0	0	0	0	95
17:00	5	3	13	37	27	2	0	0	0	0	0	0	0	0	87
18:00	6	2	7	27	18	3	0	0	0	0	0	0	0	0	63
19:00	5	0	8	24	10	2	1	0	0	0	0	0	0	0	50
20:00	2	2	9	14	6	3	0	0	0	0	0	0	0	0	36
21:00	5	1	5	10	3	0	0	0	0	0	0	0	0	0	24
22:00	0	0	1	4	5	0	0	0	0	0	0	0	0	0	10
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Total	76	38	150	318	211	37	7	0	0	0	0	0	0	0	837

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 529
 Percent in Pace : 63.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 N/ Westcliff Drive
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB007
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	13			2	8				
12:15		0	14			0	12				
12:30		0	8			0	14				
12:45		0	13	0	48	1	9	3	43	3	91
01:00		0	15			0	11				
01:15		0	11			0	10				
01:30		0	40			0	11				
01:45		0	16	0	82	0	9	0	41	0	123
02:00		0	10			0	10				
02:15		0	13			0	11				
02:30		0	21			0	15				
02:45		0	28	0	72	0	15	0	51	0	123
03:00		0	28			0	13				
03:15		0	23			0	11				
03:30		0	23			1	14				
03:45		0	18	0	92	0	23	1	61	1	153
04:00		0	19			1	6				
04:15		0	18			0	14				
04:30		2	17			0	9				
04:45		0	15	2	69	2	11	3	40	5	109
05:00		0	21			2	11				
05:15		1	18			1	15				
05:30		0	19			3	22				
05:45		1	17	2	75	2	9	8	57	10	132
06:00		1	18			4	15				
06:15		2	16			4	14				
06:30		3	8			8	7				
06:45		3	18	9	60	4	14	20	50	29	110
07:00		3	13			8	8				
07:15		10	12			13	4				
07:30		5	4			22	7				
07:45		21	10	39	39	17	7	60	26	99	65
08:00		25	4			12	5				
08:15		14	7			17	7				
08:30		12	12			13	4				
08:45		7	7	58	30	16	5	58	21	116	51
09:00		10	6			22	1				
09:15		11	6			16	3				
09:30		7	5			10	1				
09:45		11	1	39	18	20	2	68	7	107	25
10:00		10	4			5	3				
10:15		14	1			16	3				
10:30		11	0			13	2				
10:45		7	1	42	6	12	1	46	9	88	15
11:00		9	1			9	0				
11:15		16	1			11	0				
11:30		22	1			15	1				
11:45		12	3	59	6	9	0	44	1	103	7
Total		250	597	250	597	311	407	311	407	561	1004
Combined Total		847		847		718		718		1565	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	72	-	-	-	68	-	-	-	-	-
P.H.F.	-	0.720	-	-	-	0.773	-	-	-	-	-
PM Peak	-	-	02:45	-	-	-	03:00	-	-	-	-
Vol.	-	-	102	-	-	-	61	-	-	-	-
P.H.F.	-	-	0.911	-	-	-	0.663	-	-	-	-
Percentage		29.5%	70.5%			43.3%	56.7%				
ADT/AADT		ADT 1,565		AADT 1,565							

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB018
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	1	3	2	2	0	0	0	0	0	0	0	9
06:00	0	0	0	1	3	3	0	0	0	0	0	0	0	0	7
07:00	0	2	0	8	17	13	6	0	0	0	0	0	0	0	46
08:00	2	0	1	9	32	16	6	0	0	0	0	0	0	0	66
09:00	2	1	1	3	17	10	4	1	0	0	0	0	0	0	39
10:00	3	1	5	5	22	16	2	1	0	0	0	0	0	0	55
11:00	2	1	2	10	14	9	1	1	0	0	0	0	0	0	40
12 PM	2	0	1	2	12	13	4	0	0	0	0	0	0	0	34
13:00	2	1	6	7	16	7	8	0	0	0	0	0	0	0	47
14:00	0	0	1	6	19	14	3	1	0	0	0	0	0	0	44
15:00	0	0	5	17	22	16	2	2	0	0	0	0	0	0	64
16:00	1	1	4	16	9	9	3	0	0	0	0	0	0	0	43
17:00	1	0	4	10	17	6	2	1	0	0	0	0	0	0	41
18:00	2	1	1	5	8	3	1	0	0	0	0	0	0	0	21
19:00	1	0	0	5	6	2	1	0	0	0	0	0	0	0	15
20:00	1	0	4	4	5	1	0	0	0	0	0	0	0	0	15
21:00	0	4	1	0	4	1	0	0	0	0	0	0	0	0	10
22:00	1	0	2	0	2	4	0	0	0	0	0	0	0	0	9
23:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
Total	21	12	38	109	231	146	45	7	0	0	0	0	0	0	609

Daily
 15th Percentile : 25 MPH
 50th Percentile : 32 MPH
 85th Percentile : 38 MPH
 95th Percentile : 42 MPH

Statistics
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 377
 Percent in Pace : 61.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB018
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
06:00	1	0	3	4	1	1	0	0	0	0	0	0	0	0	10
07:00	0	0	4	5	6	6	0	0	0	0	0	0	0	0	21
08:00	1	1	2	15	18	4	0	0	0	0	0	0	0	0	41
09:00	3	0	5	11	11	4	1	0	0	0	0	0	0	0	35
10:00	2	1	2	4	11	2	0	0	0	0	0	0	0	0	22
11:00	1	1	3	7	10	3	2	0	0	0	0	0	0	0	27
12 PM	2	2	2	12	19	7	1	1	0	0	0	0	0	0	46
13:00	1	1	3	14	14	5	1	0	0	0	0	0	0	0	39
14:00	0	1	6	11	19	3	1	0	0	0	0	0	0	0	41
15:00	0	5	4	20	18	1	2	0	0	0	0	0	0	0	50
16:00	3	1	8	13	14	1	1	1	0	0	0	0	0	0	42
17:00	2	0	12	18	10	0	0	0	0	0	0	0	0	0	42
18:00	3	2	1	19	13	3	1	0	0	0	0	0	0	0	42
19:00	2	3	9	10	12	2	1	0	0	0	0	0	0	0	39
20:00	0	2	1	6	9	1	1	0	0	0	0	0	0	0	20
21:00	1	0	2	3	3	3	1	0	0	0	0	0	0	0	13
22:00	0	1	2	3	1	0	0	0	0	0	0	0	0	0	7
23:00	0	0	1	2	2	0	0	0	0	0	0	0	0	0	5
Total	22	21	71	177	192	47	14	2	0	2	0	0	0	0	548

Daily
 15th Percentile : 22 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 369
 Percent in Pace : 67.3%
 Number of Vehicles > 55 MPH : 2
 Percent of Vehicles > 55 MPH : 0.4%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB018
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	1	4	2	3	0	0	0	0	0	0	0	11
06:00	1	0	3	5	4	4	0	0	0	0	0	0	0	0	17
07:00	0	2	4	13	23	19	6	0	0	0	0	0	0	0	67
08:00	3	1	3	24	50	20	6	0	0	0	0	0	0	0	107
09:00	5	1	6	14	28	14	5	1	0	0	0	0	0	0	74
10:00	5	2	7	9	33	18	2	1	0	0	0	0	0	0	77
11:00	3	2	5	17	24	12	3	1	0	0	0	0	0	0	67
12 PM	4	2	3	14	31	20	5	1	0	0	0	0	0	0	80
13:00	3	2	9	21	30	12	9	0	0	0	0	0	0	0	86
14:00	0	1	7	17	38	17	4	1	0	0	0	0	0	0	85
15:00	0	5	9	37	40	17	4	2	0	0	0	0	0	0	114
16:00	4	2	12	29	23	10	4	1	0	0	0	0	0	0	85
17:00	3	0	16	28	27	6	2	1	0	0	0	0	0	0	83
18:00	5	3	2	24	21	6	2	0	0	0	0	0	0	0	63
19:00	3	3	9	15	18	4	2	0	0	0	0	0	0	0	54
20:00	1	2	5	10	14	2	1	0	0	0	0	0	0	0	35
21:00	1	4	3	3	7	4	1	0	0	0	0	0	0	0	23
22:00	1	1	4	3	3	4	0	0	0	0	0	0	0	0	16
23:00	0	0	1	2	4	1	0	0	0	0	0	0	0	0	8
Total	43	33	109	286	423	193	59	9	0	2	0	0	0	0	1157

Daily
 15th Percentile : 24 MPH
 50th Percentile : 31 MPH
 85th Percentile : 37 MPH
 95th Percentile : 41 MPH

Statistics
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 709
 Percent in Pace : 61.3%
 Number of Vehicles > 55 MPH : 2
 Percent of Vehicles > 55 MPH : 0.2%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB004
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	22			1	7				
12:15		0	24			0	11				
12:30		0	19			0	19				
12:45		0	20	0	85	1	17	2	54	2	139
01:00		1	18			1	17				
01:15		0	25			0	19				
01:30		0	29			0	22				
01:45		0	37	1	109	0	20	1	78	2	187
02:00		0	18			0	15				
02:15		0	17			0	9				
02:30		0	18			0	11				
02:45		0	34	0	87	0	19	0	54	0	141
03:00		0	32			0	20				
03:15		0	31			0	24				
03:30		0	28			0	16				
03:45		0	25	0	116	0	21	0	81	0	197
04:00		0	17			0	16				
04:15		0	26			0	10				
04:30		2	23			0	15				
04:45		3	28	5	94	0	18	0	59	5	153
05:00		2	32			1	18				
05:15		6	22			2	4				
05:30		8	23			1	22				
05:45		5	18	21	95	0	21	4	65	25	160
06:00		1	19			2	23				
06:15		5	18			4	13				
06:30		8	16			4	17				
06:45		14	12	28	65	7	10	17	63	45	128
07:00		13	10			5	11				
07:15		14	8			5	18				
07:30		40	10			7	13				
07:45		44	5	111	33	30	12	47	54	158	87
08:00		43	12			10	5				
08:15		45	5			28	7				
08:30		31	3			14	4				
08:45		35	5	154	25	19	9	71	25	225	50
09:00		19	6			18	7				
09:15		32	1			11	8				
09:30		23	5			18	2				
09:45		28	5	102	17	6	7	53	24	155	41
10:00		20	7			9	3				
10:15		21	3			7	4				
10:30		20	1			6	0				
10:45		25	2	86	13	20	0	42	7	128	20
11:00		22	2			12	2				
11:15		26	1			23	3				
11:30		21	0			8	3				
11:45		18	3	87	6	10	0	53	8	140	14
Total		595	745	595	745	290	572	290	572	885	1317
Combined Total		1340		1340		862		862		2202	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	172	-	-	-	82	-	-	-	-	-
P.H.F.	-	0.956	-	-	-	0.683	-	-	-	-	-
PM Peak	-	-	02:45	-	-	-	03:00	-	-	-	-
Vol.	-	-	125	-	-	-	81	-	-	-	-
P.H.F.	-	-	0.919	-	-	-	0.844	-	-	-	-
Percentage		44.4%	55.6%			33.6%	66.4%				
ADT/AADT		ADT 2,202		AADT 2,202							

Counts Unlimited, Inc.

City of Newport Beach
 Linda Place
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB005
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		3	0			3	1				
12:15		1	3			1	12				
12:30		0	5			0	4				
12:45		0	4	4	12	1	6	5	23	9	35
01:00		0	4			0	6				
01:15		0	9			0	13				
01:30		0	2			0	6				
01:45		0	4	0	19	0	8	0	33	0	52
02:00		0	5			0	2				
02:15		0	2			0	3				
02:30		0	12			0	9				
02:45		0	10	0	29	0	16	0	30	0	59
03:00		0	5			0	10				
03:15		0	11			0	18				
03:30		0	9			0	3				
03:45		0	7	0	32	0	9	0	40	0	72
04:00		0	5			0	8				
04:15		0	2			0	3				
04:30		0	8			0	8				
04:45		0	7	0	22	0	16	0	35	0	57
05:00		1	18			0	23				
05:15		1	2			0	7				
05:30		0	9			0	11				
05:45		5	9	7	38	1	17	1	58	8	96
06:00		0	8			1	10				
06:15		1	6			0	10				
06:30		2	7			1	12				
06:45		5	2	8	23	3	8	5	40	13	63
07:00		3	3			1	9				
07:15		3	4			4	5				
07:30		5	5			5	9				
07:45		6	0	17	12	3	5	13	28	30	40
08:00		11	5			11	7				
08:15		12	1			11	1				
08:30		11	3			6	7				
08:45		9	5	43	14	7	5	35	20	78	34
09:00		3	2			1	2				
09:15		10	1			4	3				
09:30		8	0			3	3				
09:45		6	0	27	3	3	2	11	10	38	13
10:00		12	4			13	4				
10:15		3	0			5	2				
10:30		2	1			7	1				
10:45		4	0	21	5	1	0	26	7	47	12
11:00		6	0			3	0				
11:15		9	1			13	0				
11:30		8	0			7	0				
11:45		5	0	28	1	6	1	29	1	57	2
Total		155	210	155	210	125	325	125	325	280	535
Combined Total		365		365		450		450		815	
AM Peak	-	08:00	-	-	-	08:00	-	-	-	-	-
Vol.	-	43	-	-	-	35	-	-	-	-	-
P.H.F.	-	0.896	-	-	-	0.795	-	-	-	-	-
PM Peak	-	-	02:30	-	-	-	05:00	-	-	-	-
Vol.	-	-	38	-	-	-	58	-	-	-	-
P.H.F.	-	-	0.792	-	-	-	0.630	-	-	-	-
Percentage		42.5%	57.5%			27.8%	72.2%				
ADT/AADT		ADT 815		AADT 815							

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 E/ Dover Drive
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB006
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	28			1	30				
12:15		1	23			0	18				
12:30		0	26			1	26				
12:45		0	22	2	99	0	16	2	90	4	189
01:00		0	13			0	25				
01:15		0	35			0	34				
01:30		0	24			0	43				
01:45		0	27	0	99	0	29	0	131	0	230
02:00		0	27			0	29				
02:15		0	35			0	34				
02:30		0	40			0	32				
02:45		0	45	0	147	0	30	0	125	0	272
03:00		1	34			0	44				
03:15		0	31			0	43				
03:30		1	34			1	27				
03:45		0	24	2	123	0	29	1	143	3	266
04:00		0	24			0	23				
04:15		1	26			0	44				
04:30		1	29			0	29				
04:45		3	27	5	106	1	32	1	128	6	234
05:00		2	22			0	39				
05:15		3	31			0	35				
05:30		8	23			0	35				
05:45		7	20	20	96	1	28	1	137	21	233
06:00		7	33			4	28				
06:15		12	19			5	29				
06:30		8	24			11	29				
06:45		13	22	40	98	10	22	30	108	70	206
07:00		18	10			9	19				
07:15		24	13			14	23				
07:30		59	9			9	15				
07:45		47	11	148	43	37	18	69	75	217	118
08:00		39	7			28	10				
08:15		69	8			35	20				
08:30		26	5			24	15				
08:45		35	9	169	29	16	13	103	58	272	87
09:00		31	8			20	9				
09:15		47	2			19	10				
09:30		33	5			13	4				
09:45		22	3	133	18	21	4	73	27	206	45
10:00		20	3			20	8				
10:15		24	3			18	5				
10:30		20	2			16	5				
10:45		29	2	93	10	30	6	84	24	177	34
11:00		20	1			13	1				
11:15		25	1			23	0				
11:30		24	0			28	1				
11:45		32	0	101	2	24	0	88	2	189	4
Total		713	870	713	870	452	1048	452	1048	1165	1918
Combined Total		1583		1583		1500		1500		3083	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	214	-	-	-	124	-	-	-	-	-
P.H.F.	-	0.775	-	-	-	0.838	-	-	-	-	-
PM Peak	-	-	02:15	-	-	-	02:30	-	-	-	-
Vol.	-	-	154	-	-	-	149	-	-	-	-
P.H.F.	-	-	0.856	-	-	-	0.847	-	-	-	-
Percentage		45.0%	55.0%			30.1%	69.9%				
ADT/AADT		ADT 3,083		AADT 3,083							

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB017
 Site Code: 105-19044

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	2	1	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
06:00	1	1	2	3	8	1	1	0	0	0	0	0	0	0	17
07:00	3	4	3	12	13	4	1	0	0	0	0	0	0	0	40
08:00	1	3	10	24	32	14	3	0	0	0	0	0	0	0	87
09:00	2	1	2	9	26	11	1	0	0	0	0	0	0	0	52
10:00	0	2	0	11	30	12	1	1	0	0	0	0	0	0	57
11:00	2	2	7	18	32	11	1	0	0	0	0	0	0	0	73
12 PM	8	0	3	22	26	13	2	0	0	0	0	0	0	0	74
13:00	5	1	4	25	46	13	3	1	0	0	0	0	0	0	98
14:00	2	3	8	26	37	24	3	0	0	0	0	0	0	0	103
15:00	4	5	10	35	56	16	1	1	0	0	0	0	0	0	128
16:00	7	1	7	27	35	11	1	2	1	0	0	0	0	0	92
17:00	2	3	11	35	42	15	2	0	1	0	0	0	0	0	111
18:00	2	3	6	21	33	11	2	0	1	0	0	0	0	0	79
19:00	2	2	2	16	28	6	0	0	0	0	0	0	0	0	56
20:00	0	3	2	23	10	3	0	0	0	0	0	0	0	0	41
21:00	0	1	0	6	15	4	1	0	0	0	0	0	0	0	27
22:00	1	1	2	3	7	5	1	0	0	0	0	0	0	0	20
23:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	42	36	81	317	479	175	25	5	3	0	0	0	0	0	1163

Daily
 15th Percentile : 25 MPH
 50th Percentile : 31 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 796
 Percent in Pace : 68.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB017
 Site Code: 105-19044

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
04:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	3	7	1	0	0	0	0	0	0	0	0	11
06:00	0	0	4	9	6	3	0	0	0	0	0	0	0	0	22
07:00	2	0	7	30	58	16	2	0	0	0	0	0	0	0	115
08:00	3	3	17	54	38	12	2	0	0	0	0	0	0	0	129
09:00	1	1	7	26	32	26	5	0	0	0	0	0	0	0	98
10:00	1	3	7	23	27	15	0	0	1	0	0	0	0	0	77
11:00	3	2	8	24	27	15	1	0	0	0	0	0	0	0	80
12 PM	3	2	7	17	23	15	0	1	0	0	0	0	0	0	68
13:00	5	4	5	23	38	14	0	1	0	0	0	0	0	0	90
14:00	1	2	9	36	37	14	3	0	0	0	0	0	0	0	102
15:00	3	2	8	34	43	11	2	0	0	0	0	0	0	0	103
16:00	7	1	6	24	23	7	2	0	0	0	0	0	0	0	70
17:00	2	3	9	29	27	5	1	1	0	0	0	0	0	0	77
18:00	0	1	6	33	28	7	0	0	1	0	0	0	0	0	76
19:00	1	0	8	13	7	4	0	0	0	0	0	0	0	0	33
20:00	2	1	5	10	9	2	0	0	0	0	0	0	0	0	29
21:00	0	0	1	5	10	1	0	0	0	0	0	0	0	0	17
22:00	1	0	2	2	3	0	0	0	0	0	0	0	0	0	8
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	35	25	116	397	449	168	19	3	2	0	0	0	0	0	1214

Daily
 15th Percentile : 25 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 846
 Percent in Pace : 69.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB017
 Site Code: 105-19044

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	4	1	0	0	0	0	0	0	0	0	6
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3
04:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
05:00	0	0	1	4	7	1	0	0	0	0	0	0	0	0	13
06:00	1	1	6	12	14	4	1	0	0	0	0	0	0	0	39
07:00	5	4	10	42	71	20	3	0	0	0	0	0	0	0	155
08:00	4	6	27	78	70	26	5	0	0	0	0	0	0	0	216
09:00	3	2	9	35	58	37	6	0	0	0	0	0	0	0	150
10:00	1	5	7	34	57	27	1	1	1	0	0	0	0	0	134
11:00	5	4	15	42	59	26	2	0	0	0	0	0	0	0	153
12 PM	11	2	10	39	49	28	2	1	0	0	0	0	0	0	142
13:00	10	5	9	48	84	27	3	2	0	0	0	0	0	0	188
14:00	3	5	17	62	74	38	6	0	0	0	0	0	0	0	205
15:00	7	7	18	69	99	27	3	1	0	0	0	0	0	0	231
16:00	14	2	13	51	58	18	3	2	1	0	0	0	0	0	162
17:00	4	6	20	64	69	20	3	1	1	0	0	0	0	0	188
18:00	2	4	12	54	61	18	2	0	2	0	0	0	0	0	155
19:00	3	2	10	29	35	10	0	0	0	0	0	0	0	0	89
20:00	2	4	7	33	19	5	0	0	0	0	0	0	0	0	70
21:00	0	1	1	11	25	5	1	0	0	0	0	0	0	0	44
22:00	2	1	4	5	10	5	1	0	0	0	0	0	0	0	28
23:00	0	0	0	2	0	0	1	0	0	0	0	0	0	0	3
Total	77	61	197	714	928	343	44	8	5	0	0	0	0	0	2377

Daily
 15th Percentile : 25 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1642
 Percent in Pace : 69.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Santiago Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB027
 Site Code: 105-19044

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
06:00	1	1	2	3	5	0	0	0	0	0	0	0	0	0	12
07:00	1	0	2	22	5	0	0	0	0	0	0	0	0	0	30
08:00	2	2	9	25	14	3	0	0	0	0	0	0	0	0	55
09:00	0	1	7	18	15	0	0	0	0	0	0	0	0	0	41
10:00	2	4	5	19	18	1	0	0	0	0	0	0	0	0	49
11:00	2	2	8	24	9	1	0	0	0	0	0	0	0	0	46
12 PM	3	0	8	26	12	2	0	0	0	0	0	0	0	0	51
13:00	1	3	10	27	15	4	0	0	0	0	0	0	0	0	60
14:00	1	3	6	33	27	3	0	0	0	0	0	0	0	0	73
15:00	2	2	14	45	31	4	0	0	0	0	0	0	0	0	98
16:00	6	2	13	24	16	2	0	0	0	0	0	0	0	0	63
17:00	3	0	11	32	23	0	1	0	0	0	0	0	0	0	70
18:00	2	0	10	28	15	3	1	0	0	0	0	0	0	0	59
19:00	0	3	8	15	8	3	0	0	0	0	0	0	0	0	37
20:00	0	1	5	15	7	0	0	0	0	0	0	0	0	0	28
21:00	0	0	4	9	4	0	0	0	0	0	0	0	0	0	17
22:00	0	0	0	6	4	0	0	0	0	0	0	0	0	0	10
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	24	123	372	229	27	2	0	0	0	0	0	0	0	803

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 601
 Percent in Pace : 74.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Santiago Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB027
 Site Code: 105-19044

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	4	2	0	0	0	0	0	0	0	0	0	6
06:00	2	2	2	5	6	0	0	0	0	0	0	0	0	0	17
07:00	0	1	4	23	22	8	0	0	0	0	0	0	0	0	58
08:00	3	0	10	31	18	2	0	0	0	0	0	0	0	0	64
09:00	3	0	5	20	27	7	1	0	0	0	0	0	0	0	63
10:00	4	0	11	17	18	1	0	0	0	0	0	0	0	0	51
11:00	3	1	1	26	20	3	0	0	0	0	0	0	0	0	54
12 PM	1	1	6	22	17	4	0	0	0	0	0	0	0	0	51
13:00	2	0	11	23	21	2	0	0	0	0	0	0	0	0	59
14:00	1	2	3	24	25	1	0	0	0	0	0	0	0	0	56
15:00	1	0	10	30	20	6	1	0	0	0	0	0	0	0	68
16:00	1	1	8	21	9	2	0	0	0	0	0	0	0	0	42
17:00	0	3	12	22	11	2	1	0	0	0	0	0	0	0	51
18:00	4	0	5	33	20	4	1	0	0	0	0	0	0	0	67
19:00	1	0	3	10	7	1	0	0	0	0	0	0	0	0	22
20:00	0	1	5	10	1	2	0	0	0	0	0	0	0	0	19
21:00	0	1	1	5	3	2	0	0	0	0	0	0	0	0	12
22:00	0	1	0	3	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	26	14	97	332	250	47	4	0	0	0	0	0	0	0	770

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 582
 Percent in Pace : 75.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Santiago Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB027
 Site Code: 105-19044

Eastbound, Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	5	2	1	0	0	0	0	0	0	0	0	8
06:00	3	3	4	8	11	0	0	0	0	0	0	0	0	0	29
07:00	1	1	6	45	27	8	0	0	0	0	0	0	0	0	88
08:00	5	2	19	56	32	5	0	0	0	0	0	0	0	0	119
09:00	3	1	12	38	42	7	1	0	0	0	0	0	0	0	104
10:00	6	4	16	36	36	2	0	0	0	0	0	0	0	0	100
11:00	5	3	9	50	29	4	0	0	0	0	0	0	0	0	100
12 PM	4	1	14	48	29	6	0	0	0	0	0	0	0	0	102
13:00	3	3	21	50	36	6	0	0	0	0	0	0	0	0	119
14:00	2	5	9	57	52	4	0	0	0	0	0	0	0	0	129
15:00	3	2	24	75	51	10	1	0	0	0	0	0	0	0	166
16:00	7	3	21	45	25	4	0	0	0	0	0	0	0	0	105
17:00	3	3	23	54	34	2	2	0	0	0	0	0	0	0	121
18:00	6	0	15	61	35	7	2	0	0	0	0	0	0	0	126
19:00	1	3	11	25	15	4	0	0	0	0	0	0	0	0	59
20:00	0	2	10	25	8	2	0	0	0	0	0	0	0	0	47
21:00	0	1	5	14	7	2	0	0	0	0	0	0	0	0	29
22:00	0	1	0	9	4	0	0	0	0	0	0	0	0	0	14
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	52	38	220	704	479	74	6	0	0	0	0	0	0	0	1573

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1183
 Percent in Pace : 75.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Nottingham Road
 E/ Warwick Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB020
 Site Code: 105-19044

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
07:00	0	0	4	2	2	0	0	0	0	0	0	0	0	0	8
08:00	2	0	2	3	3	1	0	0	0	0	0	0	0	0	11
09:00	2	0	1	0	1	1	0	0	0	0	0	0	0	0	5
10:00	1	1	2	4	1	1	0	0	0	0	0	0	0	0	10
11:00	2	0	1	3	5	1	1	0	0	0	0	0	0	0	13
12 PM	1	0	2	7	7	0	0	0	0	0	0	0	0	0	17
13:00	1	0	1	2	3	1	1	0	0	0	0	0	0	0	9
14:00	0	1	1	6	2	2	1	0	0	0	0	0	0	0	13
15:00	1	1	8	8	6	1	0	0	0	0	0	0	0	0	25
16:00	0	0	1	7	5	1	0	0	0	0	0	0	0	0	14
17:00	3	0	2	10	4	2	0	0	0	0	0	0	0	0	21
18:00	0	0	3	4	2	1	0	0	0	0	0	0	0	0	10
19:00	0	2	0	3	2	0	0	0	0	0	0	0	0	0	7
20:00	0	0	0	4	1	0	0	0	0	0	0	0	0	0	5
21:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	1	0	0	1	1	0	0	0	0	0	0	0	3
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	15	5	31	65	45	13	5	0	0	0	0	0	0	0	179

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 110
 Percent in Pace : 61.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Nottingham Road
 E/ Warwick Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB020
 Site Code: 105-19044

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
07:00	0	1	1	3	3	2	0	0	0	0	0	0	0	0	10
08:00	2	2	1	9	7	4	0	0	0	0	0	0	0	0	25
09:00	1	1	2	3	7	1	0	0	0	0	0	0	0	0	15
10:00	0	0	0	7	3	0	0	0	0	0	0	0	0	0	10
11:00	1	0	2	6	2	2	0	0	0	0	0	0	0	0	13
12 PM	4	0	1	8	4	0	0	0	0	0	0	0	0	0	17
13:00	1	2	1	6	1	1	0	0	0	0	0	0	0	0	12
14:00	0	0	3	4	9	1	0	0	0	0	0	0	0	0	17
15:00	1	0	3	6	2	1	1	0	0	0	0	0	0	0	14
16:00	1	2	1	2	3	1	0	0	0	0	0	0	0	0	10
17:00	1	0	0	5	3	1	0	0	0	0	0	0	0	0	10
18:00	0	1	2	6	6	0	0	0	0	0	0	0	0	0	15
19:00	0	0	1	1	4	1	0	0	0	0	0	0	0	0	7
20:00	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	14	10	20	70	56	15	2	0	0	0	0	0	0	0	187

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 126
 Percent in Pace : 67.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Nottingham Road
 E/ Warwick Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB020
 Site Code: 105-19044

Eastbound, Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	1	1	0	0	1	0	0	0	0	0	0	0	4
07:00	0	1	5	5	5	2	0	0	0	0	0	0	0	0	18
08:00	4	2	3	12	10	5	0	0	0	0	0	0	0	0	36
09:00	3	1	3	3	8	2	0	0	0	0	0	0	0	0	20
10:00	1	1	2	11	4	1	0	0	0	0	0	0	0	0	20
11:00	3	0	3	9	7	3	1	0	0	0	0	0	0	0	26
12 PM	5	0	3	15	11	0	0	0	0	0	0	0	0	0	34
13:00	2	2	2	8	4	2	1	0	0	0	0	0	0	0	21
14:00	0	1	4	10	11	3	1	0	0	0	0	0	0	0	30
15:00	2	1	11	14	8	2	1	0	0	0	0	0	0	0	39
16:00	1	2	2	9	8	2	0	0	0	0	0	0	0	0	24
17:00	4	0	2	15	7	3	0	0	0	0	0	0	0	0	31
18:00	0	1	5	10	8	1	0	0	0	0	0	0	0	0	25
19:00	0	2	1	4	6	1	0	0	0	0	0	0	0	0	14
20:00	0	0	1	7	2	0	0	0	0	0	0	0	0	0	10
21:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:00	1	0	1	0	1	1	1	0	0	0	0	0	0	0	5
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	29	15	51	135	101	28	7	0	0	0	0	0	0	0	366

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 236
 Percent in Pace : 64.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Polaris Drive
 S/ Evening Star Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB025
 Site Code: 105-19044

Northbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	1	1	1	0	0	0	0	0	0	0	0	4
05:00	0	0	2	9	11	5	0	0	0	0	0	0	0	0	27
06:00	0	0	2	5	2	2	0	0	0	0	0	0	0	0	11
07:00	3	1	8	6	6	0	0	0	0	0	0	0	0	0	24
08:00	0	1	11	9	4	0	0	0	0	0	0	0	0	0	25
09:00	0	1	8	9	6	0	0	0	0	0	0	0	0	0	24
10:00	1	0	8	11	4	2	0	0	0	0	0	0	0	0	26
11:00	3	2	6	12	10	1	0	0	0	0	0	0	0	0	34
12 PM	1	2	11	17	5	7	2	0	0	0	0	0	0	0	45
13:00	5	1	8	13	10	2	0	0	0	0	0	0	0	0	39
14:00	5	3	8	9	13	2	0	0	0	0	0	0	0	0	40
15:00	3	4	10	31	36	12	3	0	0	0	0	0	0	0	99
16:00	0	3	6	9	4	0	0	0	0	0	0	0	0	0	22
17:00	1	2	10	21	12	2	0	0	0	0	0	0	0	0	48
18:00	2	1	6	24	16	4	1	0	0	0	0	0	0	0	54
19:00	0	0	4	11	5	0	0	0	0	0	0	0	0	0	20
20:00	1	1	2	5	4	0	0	0	0	0	0	0	0	0	13
21:00	0	0	2	4	2	1	0	0	0	0	0	0	0	0	9
22:00	2	1	0	2	1	0	0	0	0	0	0	0	0	0	6
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	27	25	114	208	153	41	6	0	0	0	0	0	0	0	574

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 361
 Percent in Pace : 62.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Polaris Drive
 S/ Evening Star Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB025
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	2	0	1	0	0	0	0	0	0	0	4
06:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
07:00	3	1	7	7	19	6	0	0	0	0	0	0	0	0	43
08:00	1	0	2	15	8	5	0	0	0	0	0	0	0	0	31
09:00	0	1	2	8	7	3	0	0	0	0	0	0	0	0	21
10:00	0	1	3	9	7	4	2	0	0	0	0	0	0	0	26
11:00	1	2	4	7	7	1	1	0	0	0	0	0	0	0	23
12 PM	0	0	2	8	6	4	0	0	0	0	0	0	0	0	20
13:00	3	0	7	18	13	4	0	0	0	0	0	0	0	0	45
14:00	1	1	2	8	7	1	0	0	0	0	0	0	0	0	20
15:00	3	0	11	24	15	7	0	0	0	0	0	0	0	0	60
16:00	0	1	4	11	4	2	0	0	0	0	0	0	0	0	22
17:00	0	2	3	11	9	2	0	0	0	0	0	0	0	0	27
18:00	0	1	9	43	46	14	5	0	0	0	0	0	0	0	118
19:00	0	1	2	11	11	2	0	0	0	0	0	0	0	0	27
20:00	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
21:00	0	0	2	2	0	1	0	0	0	0	0	0	0	0	5
22:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12	11	63	187	164	56	9	0	0	0	0	0	0	0	502

Daily
 15th Percentile : 24 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 351
 Percent in Pace : 69.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Polaris Drive
 S/ Evening Star Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB025
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	1	1	1	0	0	0	0	0	0	0	0	4
05:00	0	0	2	10	13	5	1	0	0	0	0	0	0	0	31
06:00	0	0	2	5	3	2	0	0	0	0	0	0	0	0	12
07:00	6	2	15	13	25	6	0	0	0	0	0	0	0	0	67
08:00	1	1	13	24	12	5	0	0	0	0	0	0	0	0	56
09:00	0	2	10	17	13	3	0	0	0	0	0	0	0	0	45
10:00	1	1	11	20	11	6	2	0	0	0	0	0	0	0	52
11:00	4	4	10	19	17	2	1	0	0	0	0	0	0	0	57
12 PM	1	2	13	25	11	11	2	0	0	0	0	0	0	0	65
13:00	8	1	15	31	23	6	0	0	0	0	0	0	0	0	84
14:00	6	4	10	17	20	3	0	0	0	0	0	0	0	0	60
15:00	6	4	21	55	51	19	3	0	0	0	0	0	0	0	159
16:00	0	4	10	20	8	2	0	0	0	0	0	0	0	0	44
17:00	1	4	13	32	21	4	0	0	0	0	0	0	0	0	75
18:00	2	2	15	67	62	18	6	0	0	0	0	0	0	0	172
19:00	0	1	6	22	16	2	0	0	0	0	0	0	0	0	47
20:00	1	1	4	6	5	0	0	0	0	0	0	0	0	0	17
21:00	0	0	4	6	2	2	0	0	0	0	0	0	0	0	14
22:00	2	1	1	5	1	0	0	0	0	0	0	0	0	0	10
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	39	36	177	395	317	97	15	0	0	0	0	0	0	0	1076

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 712
 Percent in Pace : 66.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB010
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	3	3	3	0	0	0	0	0	0	0	0	9
06:00	3	2	2	21	5	3	1	0	0	0	0	0	0	0	37
07:00	0	2	11	40	35	5	0	0	0	0	0	0	0	0	93
08:00	2	0	14	40	32	11	1	0	0	0	0	0	0	0	100
09:00	1	1	4	33	28	4	1	0	0	0	0	0	0	0	72
10:00	1	1	8	35	24	4	0	1	0	0	0	0	0	0	74
11:00	1	0	10	43	15	4	1	0	0	0	0	0	0	0	74
12 PM	3	3	11	24	15	2	0	0	0	0	0	0	0	0	58
13:00	1	2	9	30	27	6	0	0	0	0	0	0	0	0	75
14:00	0	1	8	41	31	10	0	0	0	0	0	0	0	0	91
15:00	1	4	14	47	41	9	0	0	0	0	0	0	0	0	116
16:00	0	4	8	32	24	2	1	0	0	0	0	0	0	0	71
17:00	2	2	25	20	17	2	0	0	0	0	0	0	0	0	68
18:00	4	3	12	40	19	6	0	0	0	0	0	0	0	0	84
19:00	1	0	7	23	8	0	0	0	0	0	0	0	0	0	39
20:00	1	0	2	9	2	0	0	0	0	0	0	0	0	0	14
21:00	0	1	3	3	6	0	0	0	0	0	0	0	0	0	13
22:00	1	1	1	9	2	1	0	0	0	0	0	0	0	0	15
23:00	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6
Total	22	27	152	499	336	73	5	1	0	0	0	0	0	0	1115

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 835
 Percent in Pace : 74.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB010
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
05:00	0	0	4	11	0	0	0	0	0	0	0	0	0	0	15
06:00	2	3	5	10	5	0	0	0	0	0	0	0	0	0	25
07:00	1	3	9	24	18	2	0	0	0	0	0	0	0	0	57
08:00	1	1	14	36	13	3	0	0	0	0	0	0	0	0	68
09:00	2	3	6	34	23	4	0	0	0	0	0	0	0	0	72
10:00	2	1	12	20	14	2	0	0	0	0	0	0	0	0	51
11:00	0	1	5	26	19	5	0	0	0	0	0	0	0	0	56
12 PM	0	1	17	37	11	0	0	0	0	0	0	0	0	0	66
13:00	2	3	4	23	13	0	1	0	0	0	0	0	0	0	46
14:00	0	1	11	34	21	2	0	0	0	0	0	0	0	0	69
15:00	3	1	15	57	25	4	1	0	0	0	0	0	0	0	106
16:00	4	0	13	34	14	2	0	0	0	0	0	0	0	0	67
17:00	2	3	13	44	13	6	0	0	0	0	0	0	0	0	81
18:00	1	3	17	36	9	1	0	0	0	0	0	0	0	0	67
19:00	0	1	3	22	8	0	0	0	0	0	0	0	0	0	34
20:00	1	0	5	16	5	0	0	0	0	0	0	0	0	0	27
21:00	0	2	5	10	9	0	0	0	0	0	0	0	0	0	26
22:00	1	1	2	9	4	1	0	0	0	0	0	0	0	0	18
23:00	0	0	3	2	1	1	0	0	0	0	0	0	0	0	7
Total	22	29	164	486	228	33	2	0	0	0	0	0	0	0	964

Daily
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 714
 Percent in Pace : 74.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB010
 Site Code: 105-19044

Northbound, Southbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	2	4	0	0	0	0	0	0	0	0	0	7
05:00	0	0	4	14	3	3	0	0	0	0	0	0	0	0	24
06:00	5	5	7	31	10	3	1	0	0	0	0	0	0	0	62
07:00	1	5	20	64	53	7	0	0	0	0	0	0	0	0	150
08:00	3	1	28	76	45	14	1	0	0	0	0	0	0	0	168
09:00	3	4	10	67	51	8	1	0	0	0	0	0	0	0	144
10:00	3	2	20	55	38	6	0	1	0	0	0	0	0	0	125
11:00	1	1	15	69	34	9	1	0	0	0	0	0	0	0	130
12 PM	3	4	28	61	26	2	0	0	0	0	0	0	0	0	124
13:00	3	5	13	53	40	6	1	0	0	0	0	0	0	0	121
14:00	0	2	19	75	52	12	0	0	0	0	0	0	0	0	160
15:00	4	5	29	104	66	13	1	0	0	0	0	0	0	0	222
16:00	4	4	21	66	38	4	1	0	0	0	0	0	0	0	138
17:00	4	5	38	64	30	8	0	0	0	0	0	0	0	0	149
18:00	5	6	29	76	28	7	0	0	0	0	0	0	0	0	151
19:00	1	1	10	45	16	0	0	0	0	0	0	0	0	0	73
20:00	2	0	7	25	7	0	0	0	0	0	0	0	0	0	41
21:00	0	3	8	13	15	0	0	0	0	0	0	0	0	0	39
22:00	2	2	3	18	6	2	0	0	0	0	0	0	0	0	33
23:00	0	0	5	6	1	1	0	0	0	0	0	0	0	0	13
Total	44	56	316	985	564	106	7	1	0	0	0	0	0	0	2079

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1549
 Percent in Pace : 74.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB019
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	1	2	2	0	0	0	0	0	0	0	0	5
06:00	0	0	1	7	5	0	0	0	0	0	0	0	0	0	13
07:00	3	0	8	29	19	4	1	0	0	0	0	0	0	0	64
08:00	1	0	11	26	12	5	0	0	0	0	0	0	0	0	55
09:00	2	2	4	18	17	3	1	0	0	0	0	0	0	0	47
10:00	2	3	5	24	13	2	0	1	0	0	0	0	0	0	50
11:00	5	1	6	14	19	3	2	0	0	0	0	0	0	0	50
12 PM	2	1	5	17	12	4	0	0	0	0	0	0	0	0	41
13:00	1	2	5	12	19	4	4	0	0	0	0	0	0	0	47
14:00	1	1	5	21	25	9	2	0	0	0	0	0	0	0	64
15:00	2	5	9	22	30	4	1	0	0	0	0	0	0	0	73
16:00	0	0	4	24	16	1	0	0	0	0	0	0	0	0	45
17:00	5	1	11	15	6	1	0	0	0	0	0	0	0	0	39
18:00	3	2	9	29	32	5	0	0	0	0	0	0	0	0	80
19:00	3	0	4	6	14	0	1	0	0	0	0	0	0	0	28
20:00	1	1	1	5	3	0	0	0	0	0	0	0	0	0	11
21:00	0	0	1	5	4	0	0	0	0	0	0	0	0	0	10
22:00	0	0	2	5	4	0	0	0	0	0	0	0	0	0	11
23:00	0	0	1	2	0	1	0	0	0	0	0	0	0	0	4
Total	32	19	93	282	252	48	12	1	0	0	0	0	0	0	739

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 534
 Percent in Pace : 72.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB019
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
05:00	0	0	2	11	6	0	0	0	0	0	0	0	0	0	19
06:00	2	1	1	4	3	1	0	0	0	0	0	0	0	0	12
07:00	3	1	4	17	6	1	1	0	0	0	0	0	0	0	33
08:00	2	2	5	23	13	0	0	0	0	0	0	0	0	0	45
09:00	1	0	10	22	10	5	0	0	0	0	0	0	0	0	48
10:00	0	3	8	17	12	4	0	0	0	0	0	0	0	0	44
11:00	2	2	4	18	11	4	0	0	0	0	0	0	0	0	41
12 PM	4	1	9	18	7	0	0	0	0	0	0	0	0	0	39
13:00	0	3	4	17	9	1	0	0	0	0	0	0	0	0	34
14:00	0	3	2	26	12	1	0	0	0	0	0	0	0	0	44
15:00	4	3	6	37	40	9	2	0	0	0	0	0	0	0	101
16:00	0	0	6	24	10	3	0	0	0	0	0	0	0	0	43
17:00	2	2	13	31	7	6	1	0	0	0	0	0	0	0	62
18:00	2	1	14	24	13	1	0	0	0	0	0	0	0	0	55
19:00	0	1	3	11	10	2	0	0	0	0	0	0	0	0	27
20:00	0	0	4	5	3	0	0	0	0	0	0	0	0	0	12
21:00	0	0	2	6	4	1	0	0	0	0	0	0	0	0	13
22:00	0	1	4	7	4	0	0	0	0	0	0	0	0	0	16
23:00	1	0	0	4	0	0	0	0	0	0	0	0	0	0	5
Total	23	25	102	325	180	39	4	0	0	0	0	0	0	0	698

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 505
 Percent in Pace : 72.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB019
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	2	3	0	0	0	0	0	0	0	0	0	0	6
05:00	0	0	2	12	8	2	0	0	0	0	0	0	0	0	24
06:00	2	1	2	11	8	1	0	0	0	0	0	0	0	0	25
07:00	6	1	12	46	25	5	2	0	0	0	0	0	0	0	97
08:00	3	2	16	49	25	5	0	0	0	0	0	0	0	0	100
09:00	3	2	14	40	27	8	1	0	0	0	0	0	0	0	95
10:00	2	6	13	41	25	6	0	1	0	0	0	0	0	0	94
11:00	7	3	10	32	30	7	2	0	0	0	0	0	0	0	91
12 PM	6	2	14	35	19	4	0	0	0	0	0	0	0	0	80
13:00	1	5	9	29	28	5	4	0	0	0	0	0	0	0	81
14:00	1	4	7	47	37	10	2	0	0	0	0	0	0	0	108
15:00	6	8	15	59	70	13	3	0	0	0	0	0	0	0	174
16:00	0	0	10	48	26	4	0	0	0	0	0	0	0	0	88
17:00	7	3	24	46	13	7	1	0	0	0	0	0	0	0	101
18:00	5	3	23	53	45	6	0	0	0	0	0	0	0	0	135
19:00	3	1	7	17	24	2	1	0	0	0	0	0	0	0	55
20:00	1	1	5	10	6	0	0	0	0	0	0	0	0	0	23
21:00	0	0	3	11	8	1	0	0	0	0	0	0	0	0	23
22:00	0	1	6	12	8	0	0	0	0	0	0	0	0	0	27
23:00	1	0	1	6	0	1	0	0	0	0	0	0	0	0	9
Total	55	44	195	607	432	87	16	1	0	0	0	0	0	0	1437

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1039
 Percent in Pace : 72.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Irvine Boulevard
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB001
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		2	38			0	35				
12:15		0	39			0	33				
12:30		2	37			4	26				
12:45		1	25	5	139	0	19	4	113	9	252
01:00		2	38			0	20				
01:15		1	39			0	22				
01:30		1	39			0	22				
01:45		0	48	4	164	0	30	0	94	4	258
02:00		3	31			0	35				
02:15		1	45			0	26				
02:30		1	42			0	26				
02:45		3	62	8	180	1	33	1	120	9	300
03:00		0	38			1	50				
03:15		3	48			2	46				
03:30		7	54			2	26				
03:45		1	47	11	187	1	37	6	159	17	346
04:00		1	47			1	34				
04:15		3	33			1	31				
04:30		2	39			2	35				
04:45		6	35	12	154	4	29	8	129	20	283
05:00		6	32			1	38				
05:15		10	47			4	38				
05:30		8	55			10	35				
05:45		3	39	27	173	3	37	18	148	45	321
06:00		5	37			3	33				
06:15		12	38			12	28				
06:30		15	40			11	24				
06:45		22	17	54	132	28	16	54	101	108	233
07:00		26	18			22	19				
07:15		46	14			20	13				
07:30		50	15			20	10				
07:45		52	16	174	63	36	10	98	52	272	115
08:00		51	11			35	13				
08:15		45	4			31	18				
08:30		45	4			34	16				
08:45		49	6	190	25	31	14	131	61	321	86
09:00		44	8			34	9				
09:15		40	7			35	7				
09:30		40	4			37	12				
09:45		37	6	161	25	30	5	136	33	297	58
10:00		31	8			21	6				
10:15		42	3			32	5				
10:30		35	4			30	4				
10:45		28	7	136	22	24	7	107	22	243	44
11:00		38	2			34	5				
11:15		35	0			23	3				
11:30		38	1			30	2				
11:45		44	1	155	4	37	2	124	12	279	16
Total		937	1268	937	1268	687	1044	687	1044	1624	2312
Combined Total		2205		2205		1731		1731		3936	
AM Peak	-	07:15	-	-	-	08:45	-	-	-	-	-
Vol.	-	199	-	-	-	137	-	-	-	-	-
P.H.F.	-	0.957	-	-	-	0.926	-	-	-	-	-
PM Peak	-	-	02:45	-	-	-	03:00	-	-	-	-
Vol.	-	-	202	-	-	-	159	-	-	-	-
P.H.F.	-	-	0.815	-	-	-	0.795	-	-	-	-
Percentage		42.5%	57.5%			39.7%	60.3%				
ADT/AADT		ADT 3,936		AADT 3,936							

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB023
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	3	0	0	1	3	1	0	0	0	0	0	0	0	0	8
07:00	7	1	1	6	11	5	2	1	0	0	0	0	0	0	34
08:00	2	0	3	8	14	5	1	0	0	0	0	0	0	0	33
09:00	2	0	1	5	8	7	2	0	0	0	0	0	0	0	25
10:00	4	0	3	6	9	7	0	0	1	0	0	0	0	0	30
11:00	3	0	1	7	13	9	0	0	0	0	0	0	0	0	33
12 PM	2	0	5	7	12	8	2	0	0	0	0	0	0	0	36
13:00	11	0	4	11	12	9	2	1	0	0	0	0	0	0	50
14:00	3	0	2	11	17	11	1	0	0	0	0	0	0	0	45
15:00	2	0	1	13	17	14	3	1	0	0	0	0	0	0	51
16:00	4	0	5	15	9	5	2	0	0	0	0	0	0	0	40
17:00	5	1	2	6	10	14	2	0	0	0	0	0	0	0	40
18:00	0	1	3	11	9	5	0	0	0	0	0	0	0	0	29
19:00	0	0	2	4	11	4	0	0	0	0	0	0	0	0	21
20:00	2	1	2	4	8	1	0	1	0	0	0	0	0	0	19
21:00	0	0	4	4	6	2	0	0	0	0	0	0	0	0	16
22:00	1	1	0	0	2	1	2	0	0	0	0	0	0	0	7
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	51	5	39	120	171	108	19	4	1	0	0	0	0	0	518

Daily
 15th Percentile : 22 MPH
 50th Percentile : 31 MPH
 85th Percentile : 37 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 291
 Percent in Pace : 56.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB023
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
05:00	1	0	0	2	6	0	0	0	0	0	0	0	0	0	9
06:00	0	0	1	3	2	1	1	1	0	0	0	0	0	0	9
07:00	2	0	2	4	9	9	3	0	0	0	0	0	0	0	29
08:00	0	0	4	3	11	11	2	0	0	0	0	0	0	0	31
09:00	0	0	2	5	14	8	3	1	0	0	0	0	0	0	33
10:00	3	0	2	6	15	9	3	0	0	0	0	0	0	0	38
11:00	1	1	2	5	11	5	4	0	1	0	0	0	0	0	30
12 PM	3	1	4	7	11	4	4	0	0	0	0	0	0	0	34
13:00	1	0	3	6	11	6	0	0	0	0	0	0	0	0	27
14:00	3	0	2	7	9	10	4	0	0	0	0	0	0	0	35
15:00	1	2	1	8	17	10	4	0	0	0	0	0	0	0	43
16:00	1	1	1	10	14	11	0	0	0	0	0	0	0	0	38
17:00	1	1	0	8	9	11	3	0	0	0	0	0	0	0	33
18:00	0	0	1	5	9	9	3	0	0	0	0	0	0	0	27
19:00	0	0	0	10	7	1	1	0	0	0	0	0	0	0	19
20:00	0	0	0	0	5	1	0	0	0	0	0	0	0	0	6
21:00	0	0	2	0	2	1	1	1	1	0	0	0	0	0	8
22:00	0	1	0	1	4	1	0	0	0	0	0	0	0	0	7
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	17	7	28	91	168	108	36	3	2	0	0	0	0	0	460

Daily
 15th Percentile : 25 MPH
 50th Percentile : 32 MPH
 85th Percentile : 38 MPH
 95th Percentile : 42 MPH

Statistics
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 276
 Percent in Pace : 60.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB023
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
05:00	1	0	0	3	6	0	0	0	0	0	0	0	0	0	10
06:00	3	0	1	4	5	2	1	1	0	0	0	0	0	0	17
07:00	9	1	3	10	20	14	5	1	0	0	0	0	0	0	63
08:00	2	0	7	11	25	16	3	0	0	0	0	0	0	0	64
09:00	2	0	3	10	22	15	5	1	0	0	0	0	0	0	58
10:00	7	0	5	12	24	16	3	0	1	0	0	0	0	0	68
11:00	4	1	3	12	24	14	4	0	1	0	0	0	0	0	63
12 PM	5	1	9	14	23	12	6	0	0	0	0	0	0	0	70
13:00	12	0	7	17	23	15	2	1	0	0	0	0	0	0	77
14:00	6	0	4	18	26	21	5	0	0	0	0	0	0	0	80
15:00	3	2	2	21	34	24	7	1	0	0	0	0	0	0	94
16:00	5	1	6	25	23	16	2	0	0	0	0	0	0	0	78
17:00	6	2	2	14	19	25	5	0	0	0	0	0	0	0	73
18:00	0	1	4	16	18	14	3	0	0	0	0	0	0	0	56
19:00	0	0	2	14	18	5	1	0	0	0	0	0	0	0	40
20:00	2	1	2	4	13	2	0	1	0	0	0	0	0	0	25
21:00	0	0	6	4	8	3	1	1	1	0	0	0	0	0	24
22:00	1	2	0	1	6	2	2	0	0	0	0	0	0	0	14
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	68	12	67	211	339	216	55	7	3	0	0	0	0	0	978

Daily
 15th Percentile : 24 MPH
 50th Percentile : 31 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

Statistics
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 555
 Percent in Pace : 56.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Tradewinds Lane
 E/ Shipway Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB012
 Site Code: 105-19044

Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
06:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
07:00	1	2	1	3	8	1	0	0	0	0	0	0	0	0	16
08:00	5	1	7	15	7	1	0	0	0	0	0	0	0	0	36
09:00	4	3	6	10	5	0	0	0	0	0	0	0	0	0	28
10:00	5	2	4	4	6	1	0	0	0	0	0	0	0	0	22
11:00	3	1	5	6	4	5	0	0	0	0	0	0	0	0	24
12 PM	2	0	5	4	5	2	1	0	0	0	0	0	0	0	19
13:00	1	1	4	10	4	1	0	0	0	0	0	0	0	0	21
14:00	5	1	7	11	7	1	0	0	0	0	0	0	0	0	32
15:00	3	2	6	10	7	0	0	0	0	0	0	0	0	0	28
16:00	3	3	5	10	4	2	0	0	0	0	0	0	0	0	27
17:00	2	0	9	14	3	1	0	0	0	0	0	0	0	0	29
18:00	2	2	13	8	5	1	0	0	0	0	0	0	0	0	31
19:00	0	2	6	7	1	1	0	0	0	0	0	0	0	0	17
20:00	3	0	4	0	0	0	0	0	0	0	0	0	0	0	7
21:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	2	3	2	0	0	0	0	0	0	0	0	0	7
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	39	22	89	117	69	17	1	0	0	0	0	0	0	0	354

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 206
 Percent in Pace : 58.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Tradewinds Lane
 E/ Shipway Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB012
 Site Code: 105-19044

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5
06:00	0	1	1	0	2	1	0	0	0	0	0	0	0	0	5
07:00	0	1	7	7	4	0	0	0	0	0	0	0	0	0	19
08:00	4	1	6	9	8	2	1	0	0	0	0	0	0	0	31
09:00	2	8	5	9	4	1	0	0	0	0	0	0	0	0	29
10:00	0	0	4	6	3	4	0	0	0	0	0	0	0	0	17
11:00	0	2	9	10	6	3	0	0	0	0	0	0	0	0	30
12 PM	0	0	7	5	4	0	0	0	0	0	0	0	0	0	16
13:00	1	1	4	9	2	6	1	0	0	0	0	0	0	0	24
14:00	1	3	6	6	7	4	1	0	0	0	0	0	0	0	28
15:00	1	2	5	7	4	0	0	0	0	0	0	0	0	0	19
16:00	4	2	12	13	4	2	0	0	0	0	0	0	0	0	37
17:00	0	1	7	14	5	5	0	0	0	0	0	0	0	0	32
18:00	1	2	8	12	9	0	0	0	0	0	0	0	0	0	32
19:00	2	0	6	2	2	2	0	0	0	0	0	0	0	0	14
20:00	1	1	2	5	0	0	0	0	0	0	0	0	0	0	9
21:00	2	1	0	2	1	0	0	0	0	0	0	0	0	0	6
22:00	0	1	1	2	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	20	27	93	121	66	30	3	0	0	0	0	0	0	0	360

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 214
 Percent in Pace : 59.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Tradewinds Lane
 E/ Shipway Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB012
 Site Code: 105-19044

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	3	2	1	0	0	0	0	0	0	0	0	0	8
06:00	0	2	4	1	2	1	0	0	0	0	0	0	0	0	10
07:00	1	3	8	10	12	1	0	0	0	0	0	0	0	0	35
08:00	9	2	13	24	15	3	1	0	0	0	0	0	0	0	67
09:00	6	11	11	19	9	1	0	0	0	0	0	0	0	0	57
10:00	5	2	8	10	9	5	0	0	0	0	0	0	0	0	39
11:00	3	3	14	16	10	8	0	0	0	0	0	0	0	0	54
12 PM	2	0	12	9	9	2	1	0	0	0	0	0	0	0	35
13:00	2	2	8	19	6	7	1	0	0	0	0	0	0	0	45
14:00	6	4	13	17	14	5	1	0	0	0	0	0	0	0	60
15:00	4	4	11	17	11	0	0	0	0	0	0	0	0	0	47
16:00	7	5	17	23	8	4	0	0	0	0	0	0	0	0	64
17:00	2	1	16	28	8	6	0	0	0	0	0	0	0	0	61
18:00	3	4	21	20	14	1	0	0	0	0	0	0	0	0	63
19:00	2	2	12	9	3	3	0	0	0	0	0	0	0	0	31
20:00	4	1	6	5	0	0	0	0	0	0	0	0	0	0	16
21:00	2	1	1	3	1	0	0	0	0	0	0	0	0	0	8
22:00	0	1	3	5	3	0	0	0	0	0	0	0	0	0	12
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	59	49	182	238	135	47	4	0	0	0	0	0	0	0	714

Daily
 15th Percentile : 19 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 420
 Percent in Pace : 58.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB024
 Site Code: 105-19044

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	0	2	0	1	0	0	0	0	0	0	0	0	4
05:00	0	0	6	11	9	2	0	0	0	0	0	0	0	0	28
06:00	1	0	3	10	3	0	0	0	0	0	0	0	0	0	17
07:00	0	0	13	27	7	2	0	0	0	0	0	0	0	0	49
08:00	0	2	16	40	12	2	0	0	0	0	0	0	0	0	72
09:00	0	0	9	32	16	1	0	0	0	0	0	0	0	0	58
10:00	2	2	16	28	13	4	0	0	0	0	0	0	0	0	65
11:00	2	0	10	30	22	1	0	0	0	0	0	0	0	0	65
12 PM	1	2	17	38	22	6	0	0	0	0	0	0	0	0	86
13:00	1	2	16	43	25	0	0	0	0	0	0	0	0	0	87
14:00	0	2	19	48	21	1	1	0	0	0	0	0	0	0	92
15:00	3	4	30	86	37	5	0	0	0	0	0	0	0	0	165
16:00	0	2	18	33	10	0	0	0	0	0	0	0	0	0	63
17:00	2	1	17	65	18	1	0	0	0	0	0	0	0	0	104
18:00	3	1	15	51	13	0	0	0	0	0	0	0	0	0	83
19:00	1	1	8	28	11	0	0	0	0	0	0	0	0	0	49
20:00	0	0	7	24	4	0	0	0	0	0	0	0	0	0	35
21:00	0	4	8	19	5	0	0	0	0	0	0	0	0	0	36
22:00	0	0	3	4	3	0	0	0	0	0	0	0	0	0	10
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	17	23	232	622	252	26	1	0	0	0	0	0	0	0	1173

Daily
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 874
 Percent in Pace : 74.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB024
 Site Code: 105-19044

Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
05:00	0	1	5	8	2	0	0	0	0	0	0	0	0	0	16
06:00	0	1	1	9	2	0	0	0	0	0	0	0	0	0	13
07:00	2	1	25	46	6	1	0	0	0	0	0	0	0	0	81
08:00	4	4	33	31	4	1	0	0	0	0	0	0	0	0	77
09:00	2	2	31	26	8	0	0	0	0	0	0	0	0	0	69
10:00	1	2	23	34	8	0	0	0	0	0	0	0	0	0	68
11:00	2	3	28	28	7	0	1	0	0	0	0	0	0	0	69
12 PM	1	4	21	32	2	0	0	0	0	0	0	0	0	0	60
13:00	1	4	28	35	6	1	0	0	0	0	0	0	0	0	75
14:00	1	3	25	34	4	2	0	0	0	0	0	0	0	0	69
15:00	2	4	55	41	8	2	0	0	0	0	0	0	0	0	112
16:00	2	8	23	28	3	0	0	0	0	0	0	0	0	0	64
17:00	1	6	24	26	6	0	0	0	0	0	0	0	0	0	63
18:00	3	2	52	80	8	0	1	0	0	0	0	0	0	0	146
19:00	1	2	26	21	3	1	0	0	0	0	0	0	0	0	54
20:00	0	0	6	8	3	0	0	0	0	0	0	0	0	0	17
21:00	1	3	5	4	2	0	0	0	0	0	0	0	0	0	15
22:00	0	1	4	2	1	0	0	0	0	0	0	0	0	0	8
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
Total	24	54	420	494	83	8	2	0	0	0	0	0	0	0	1085

Daily
 15th Percentile : 21 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 914
 Percent in Pace : 84.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB024
 Site Code: 105-19044

Eastbound, Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
04:00	1	1	3	2	0	1	0	0	0	0	0	0	0	0	8
05:00	0	1	11	19	11	2	0	0	0	0	0	0	0	0	44
06:00	1	1	4	19	5	0	0	0	0	0	0	0	0	0	30
07:00	2	1	38	73	13	3	0	0	0	0	0	0	0	0	130
08:00	4	6	49	71	16	3	0	0	0	0	0	0	0	0	149
09:00	2	2	40	58	24	1	0	0	0	0	0	0	0	0	127
10:00	3	4	39	62	21	4	0	0	0	0	0	0	0	0	133
11:00	4	3	38	58	29	1	1	0	0	0	0	0	0	0	134
12 PM	2	6	38	70	24	6	0	0	0	0	0	0	0	0	146
13:00	2	6	44	78	31	1	0	0	0	0	0	0	0	0	162
14:00	1	5	44	82	25	3	1	0	0	0	0	0	0	0	161
15:00	5	8	85	127	45	7	0	0	0	0	0	0	0	0	277
16:00	2	10	41	61	13	0	0	0	0	0	0	0	0	0	127
17:00	3	7	41	91	24	1	0	0	0	0	0	0	0	0	167
18:00	6	3	67	131	21	0	1	0	0	0	0	0	0	0	229
19:00	2	3	34	49	14	1	0	0	0	0	0	0	0	0	103
20:00	0	0	13	32	7	0	0	0	0	0	0	0	0	0	52
21:00	1	7	13	23	7	0	0	0	0	0	0	0	0	0	51
22:00	0	1	7	6	4	0	0	0	0	0	0	0	0	0	18
23:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
Total	41	77	652	1116	335	34	3	0	0	0	0	0	0	0	2258

Daily
 15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1768
 Percent in Pace : 78.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB021
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
06:00	0	1	1	1	2	1	1	0	0	0	0	0	0	0	7
07:00	6	0	6	13	12	4	0	0	0	0	0	0	0	0	41
08:00	2	2	10	33	14	5	0	0	0	0	0	0	0	0	66
09:00	0	3	10	17	8	1	0	0	0	0	0	0	0	0	39
10:00	0	1	5	14	11	5	1	0	0	0	0	0	0	0	37
11:00	0	0	8	21	15	6	0	0	0	0	0	0	0	0	50
12 PM	2	1	3	17	15	7	1	0	0	0	0	0	0	0	46
13:00	1	2	6	27	23	13	0	0	0	0	0	0	0	0	72
14:00	1	1	5	27	19	7	1	0	0	0	0	0	0	0	61
15:00	1	1	16	30	20	9	1	0	0	0	0	0	0	0	78
16:00	1	2	10	21	18	5	0	0	0	0	0	0	0	0	57
17:00	3	3	8	35	18	1	1	0	0	0	0	0	0	0	69
18:00	0	1	12	19	10	5	0	1	0	0	0	0	0	0	48
19:00	0	1	5	12	12	2	0	0	0	0	0	0	0	0	32
20:00	0	0	2	9	6	3	1	0	0	0	0	0	0	0	21
21:00	0	0	2	7	1	1	0	0	0	0	0	0	0	0	11
22:00	0	0	2	0	1	1	0	0	0	0	0	0	0	0	4
23:00	0	0	1	5	0	0	0	0	0	0	0	0	0	0	6
Total	17	19	113	309	206	76	7	2	0	0	0	0	0	0	749

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 515
 Percent in Pace : 68.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB021
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	4	1	0	0	0	0	0	0	0	0	5
06:00	2	3	1	8	2	1	0	0	0	0	0	0	0	0	17
07:00	2	0	2	15	13	9	0	0	0	0	0	0	0	0	41
08:00	0	0	6	19	20	7	0	0	0	0	0	0	0	0	52
09:00	0	1	9	20	20	8	0	0	0	0	0	0	0	0	58
10:00	0	1	10	9	16	8	1	0	0	0	0	0	0	0	45
11:00	0	0	1	14	11	5	0	0	0	0	0	0	0	0	31
12 PM	0	2	3	19	10	6	0	0	0	0	0	0	0	0	40
13:00	0	1	4	6	15	4	0	0	0	0	0	0	0	0	30
14:00	1	4	4	18	14	2	0	0	0	0	0	0	0	0	43
15:00	2	1	4	14	19	7	1	0	0	0	0	0	0	0	48
16:00	0	1	3	14	10	3	0	0	0	0	0	0	0	0	31
17:00	6	2	4	20	17	8	1	0	0	0	0	0	0	0	58
18:00	1	0	6	21	10	3	0	0	0	0	0	0	0	0	41
19:00	0	0	0	12	5	3	0	0	0	0	0	0	0	0	20
20:00	0	0	2	7	4	3	0	0	0	0	0	0	0	0	16
21:00	0	0	3	4	3	2	0	0	0	0	0	0	0	0	12
22:00	0	1	1	4	3	0	0	0	0	0	0	0	0	0	9
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	15	17	63	225	199	80	4	0	0	0	0	0	0	0	603

Daily
 15th Percentile : 24 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 424
 Percent in Pace : 70.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB021
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	1	0	1	0	2	0	0	0	0	0	0	0	0	0	4
05:00	0	0	0	1	4	1	0	1	0	0	0	0	0	0	7
06:00	2	4	2	9	4	2	1	0	0	0	0	0	0	0	24
07:00	8	0	8	28	25	13	0	0	0	0	0	0	0	0	82
08:00	2	2	16	52	34	12	0	0	0	0	0	0	0	0	118
09:00	0	4	19	37	28	9	0	0	0	0	0	0	0	0	97
10:00	0	2	15	23	27	13	2	0	0	0	0	0	0	0	82
11:00	0	0	9	35	26	11	0	0	0	0	0	0	0	0	81
12 PM	2	3	6	36	25	13	1	0	0	0	0	0	0	0	86
13:00	1	3	10	33	38	17	0	0	0	0	0	0	0	0	102
14:00	2	5	9	45	33	9	1	0	0	0	0	0	0	0	104
15:00	3	2	20	44	39	16	2	0	0	0	0	0	0	0	126
16:00	1	3	13	35	28	8	0	0	0	0	0	0	0	0	88
17:00	9	5	12	55	35	9	2	0	0	0	0	0	0	0	127
18:00	1	1	18	40	20	8	0	1	0	0	0	0	0	0	89
19:00	0	1	5	24	17	5	0	0	0	0	0	0	0	0	52
20:00	0	0	4	16	10	6	1	0	0	0	0	0	0	0	37
21:00	0	0	5	11	4	3	0	0	0	0	0	0	0	0	23
22:00	0	1	3	4	4	1	0	0	0	0	0	0	0	0	13
23:00	0	0	1	5	1	0	0	0	0	0	0	0	0	0	7
Total	32	36	176	534	405	156	11	2	0	0	0	0	0	0	1352

Daily
 15th Percentile : 23 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 939
 Percent in Pace : 69.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Francisco Drive
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB002
 Site Code: 105-19044

Start Time	2/7/2019 Thu	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	6			0	1				
12:15		1	6			0	0				
12:30		1	6			1	1				
12:45		0	16	2	34	0	3	1	5	3	39
01:00		0	8			0	5				
01:15		0	17			0	6				
01:30		0	14			0	5				
01:45		0	14	0	53	0	5	0	21	0	74
02:00		0	10			0	6				
02:15		1	13			0	8				
02:30		0	5			1	2				
02:45		1	9	2	37	0	4	1	20	3	57
03:00		0	10			0	3				
03:15		0	18			0	8				
03:30		0	14			0	5				
03:45		0	11	0	53	1	5	1	21	1	74
04:00		0	13			0	6				
04:15		0	13			0	2				
04:30		0	8			0	3				
04:45		0	9	0	43	0	7	0	18	0	61
05:00		0	4			1	3				
05:15		2	22			0	8				
05:30		1	14			1	9				
05:45		1	16	4	56	1	5	3	25	7	81
06:00		2	17			4	4				
06:15		1	14			0	2				
06:30		2	11			4	5				
06:45		5	13	10	55	3	3	11	14	21	69
07:00		5	9			3	4				
07:15		6	8			3	3				
07:30		6	5			3	3				
07:45		4	9	21	31	6	0	15	10	36	41
08:00		8	8			6	1				
08:15		4	6			2	1				
08:30		9	6			3	1				
08:45		8	5	29	25	8	0	19	3	48	28
09:00		10	5			6	1				
09:15		5	3			4	1				
09:30		11	1			5	0				
09:45		4	5	30	14	4	0	19	2	49	16
10:00		5	6			1	0				
10:15		10	4			3	3				
10:30		6	1			4	1				
10:45		5	1	26	12	3	0	11	4	37	16
11:00		9	0			5	1				
11:15		10	0			7	1				
11:30		10	1			1	0				
11:45		5	1	34	2	5	1	18	3	52	5
Total		158	415	158	415	99	146	99	146	257	561
Combined Total		573		573		245		245		818	
AM Peak	-	08:45	-	-	-	08:45	-	-	-	-	-
Vol.	-	34	-	-	-	23	-	-	-	-	-
P.H.F.	-	0.773	-	-	-	0.719	-	-	-	-	-
PM Peak	-	-	05:15	-	-	-	04:45	-	-	-	-
Vol.	-	-	69	-	-	-	27	-	-	-	-
P.H.F.	-	-	0.784	-	-	-	0.750	-	-	-	-
Percentage		27.6%	72.4%			40.4%	59.6%				
ADT/AADT		ADT 818		AADT 818							

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 E/ Polaris Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB026
 Site Code: 105-19044

Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
07:00	2	1	6	4	0	0	0	0	0	0	0	0	0	0	13
08:00	0	2	5	3	0	0	0	0	0	0	0	0	0	0	10
09:00	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6
10:00	2	3	4	6	0	0	0	0	0	0	0	0	0	0	15
11:00	0	2	3	4	3	0	0	0	0	0	0	0	0	0	12
12 PM	2	7	6	1	0	0	0	0	0	0	0	0	0	0	16
13:00	3	2	7	3	0	0	0	0	0	0	0	0	0	0	15
14:00	2	1	11	1	2	0	0	0	0	0	0	0	0	0	17
15:00	0	3	11	6	0	0	0	0	0	0	0	0	0	0	20
16:00	2	3	7	3	2	0	0	0	0	0	0	0	0	0	17
17:00	0	2	4	3	0	0	0	0	0	0	0	0	0	0	9
18:00	1	2	3	4	1	0	0	0	0	0	0	0	0	0	11
19:00	3	2	1	1	0	0	0	0	0	0	0	0	0	0	7
20:00	0	2	3	3	0	0	0	0	0	0	0	0	0	0	8
21:00	1	0	2	3	0	0	0	0	0	0	0	0	0	0	6
22:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	21	34	77	49	9	0	0	0	0	0	0	0	0	0	190

Daily
 15th Percentile : 16 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 126
 Percent in Pace : 66.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 E/ Polaris Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB026
 Site Code: 105-19044

Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
07:00	0	0	3	4	1	0	0	0	0	0	0	0	0	0	8
08:00	3	1	1	7	2	0	0	0	0	0	0	0	0	0	14
09:00	2	3	2	3	1	0	0	0	0	0	0	0	0	0	11
10:00	2	6	8	1	0	0	0	0	0	0	0	0	0	0	17
11:00	2	2	7	3	0	0	0	0	0	0	0	0	0	0	14
12 PM	2	2	6	6	0	0	0	0	0	0	0	0	0	0	16
13:00	5	2	4	4	2	0	0	0	0	0	0	0	0	0	17
14:00	3	2	3	5	3	1	0	0	0	0	0	0	0	0	17
15:00	3	1	9	1	1	1	0	0	0	0	0	0	0	0	16
16:00	2	5	6	7	0	0	0	0	0	0	0	0	0	0	20
17:00	4	2	2	3	1	0	0	0	0	0	0	0	0	0	12
18:00	0	0	4	3	2	0	0	0	0	0	0	0	0	0	9
19:00	0	4	5	1	1	0	0	0	0	0	0	0	0	0	11
20:00	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6
21:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	29	32	66	52	16	2	0	0	0	0	0	0	0	0	197

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 118
 Percent in Pace : 59.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
Galaxy Drive
E/ Polaris Drive
24 Hour Directional Speed Survey

PO Box 1178
Corona, CA 92878
Phone: (951) 268-6268
email: counts@countsunlimited.com

NPB026
Site Code: 105-19044

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
06:00	2	1	2	0	1	0	0	0	0	0	0	0	0	0	6
07:00	2	1	9	8	1	0	0	0	0	0	0	0	0	0	21
08:00	3	3	6	10	2	0	0	0	0	0	0	0	0	0	24
09:00	2	4	3	6	2	0	0	0	0	0	0	0	0	0	17
10:00	4	9	12	7	0	0	0	0	0	0	0	0	0	0	32
11:00	2	4	10	7	3	0	0	0	0	0	0	0	0	0	26
12 PM	4	9	12	7	0	0	0	0	0	0	0	0	0	0	32
13:00	8	4	11	7	2	0	0	0	0	0	0	0	0	0	32
14:00	5	3	14	6	5	1	0	0	0	0	0	0	0	0	34
15:00	3	4	20	7	1	1	0	0	0	0	0	0	0	0	36
16:00	4	8	13	10	2	0	0	0	0	0	0	0	0	0	37
17:00	4	4	6	6	1	0	0	0	0	0	0	0	0	0	21
18:00	1	2	7	7	3	0	0	0	0	0	0	0	0	0	20
19:00	3	6	6	2	1	0	0	0	0	0	0	0	0	0	18
20:00	1	2	6	5	0	0	0	0	0	0	0	0	0	0	14
21:00	1	0	3	4	1	0	0	0	0	0	0	0	0	0	9
22:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	50	66	143	101	25	2	0	0	0	0	0	0	0	0	387

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 244
 Percent in Pace : 63.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB011
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
07:00	3	0	3	5	2	2	0	0	0	0	0	0	0	0	15
08:00	2	0	8	11	4	0	0	0	0	0	0	0	0	0	25
09:00	2	0	3	4	2	0	0	0	0	0	0	0	0	0	11
10:00	2	1	2	8	4	1	0	0	0	0	0	0	0	0	18
11:00	1	5	3	7	3	0	0	0	0	0	0	0	0	0	19
12 PM	2	2	7	4	3	0	0	0	0	0	0	0	0	0	18
13:00	6	3	5	4	5	0	0	0	0	0	0	0	0	0	23
14:00	2	3	6	13	2	1	0	0	0	0	0	0	0	0	27
15:00	3	5	4	12	8	0	0	0	0	0	0	0	0	0	32
16:00	3	1	7	7	1	0	0	0	0	0	0	0	0	0	19
17:00	5	2	6	8	2	0	0	0	0	0	0	0	0	0	23
18:00	0	1	3	3	3	0	0	0	0	0	0	0	0	0	10
19:00	0	0	1	0	3	0	0	0	0	0	0	0	0	0	4
20:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
21:00	0	1	4	2	2	0	0	0	0	0	0	0	0	0	9
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	31	26	67	91	45	4	0	0	0	0	0	0	0	0	264

Daily
 15th Percentile : 16 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 158
 Percent in Pace : 59.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB011
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	1	5	0	0	0	0	0	0	0	0	0	0	6
07:00	1	0	5	2	1	1	0	0	0	0	0	0	0	0	10
08:00	0	0	4	10	0	1	0	0	0	0	0	0	0	0	15
09:00	1	1	2	7	4	2	0	0	0	0	0	0	0	0	17
10:00	1	1	3	7	1	0	0	0	0	0	0	0	0	0	13
11:00	1	0	4	3	2	0	0	0	0	0	0	0	0	0	10
12 PM	0	1	5	7	2	0	0	0	0	0	0	0	0	0	15
13:00	3	1	6	3	4	0	0	0	0	0	0	0	0	0	17
14:00	3	3	3	8	4	0	0	0	0	0	0	0	0	0	21
15:00	0	3	4	11	1	1	0	0	0	0	0	0	0	0	20
16:00	3	0	1	8	6	2	0	0	0	0	0	0	0	0	20
17:00	0	0	2	8	2	1	0	0	0	0	0	0	0	0	13
18:00	0	0	2	7	3	0	0	0	0	0	0	0	0	0	12
19:00	0	0	2	5	0	0	0	0	0	0	0	0	0	0	7
20:00	0	3	1	3	1	0	0	0	0	0	0	0	0	0	8
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	13	47	96	34	9	0	0	0	0	0	0	0	0	212

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 143
 Percent in Pace : 67.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB011
 Site Code: 105-19044

Northbound, Southbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
04:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	5	1	0	0	0	0	0	0	0	0	0	7
07:00	4	0	8	7	3	3	0	0	0	0	0	0	0	0	25
08:00	2	0	12	21	4	1	0	0	0	0	0	0	0	0	40
09:00	3	1	5	11	6	2	0	0	0	0	0	0	0	0	28
10:00	3	2	5	15	5	1	0	0	0	0	0	0	0	0	31
11:00	2	5	7	10	5	0	0	0	0	0	0	0	0	0	29
12 PM	2	3	12	11	5	0	0	0	0	0	0	0	0	0	33
13:00	9	4	11	7	9	0	0	0	0	0	0	0	0	0	40
14:00	5	6	9	21	6	1	0	0	0	0	0	0	0	0	48
15:00	3	8	8	23	9	1	0	0	0	0	0	0	0	0	52
16:00	6	1	8	15	7	2	0	0	0	0	0	0	0	0	39
17:00	5	2	8	16	4	1	0	0	0	0	0	0	0	0	36
18:00	0	1	5	10	6	0	0	0	0	0	0	0	0	0	22
19:00	0	0	3	5	3	0	0	0	0	0	0	0	0	0	11
20:00	0	4	3	3	1	0	0	0	0	0	0	0	0	0	11
21:00	0	1	5	2	2	0	0	0	0	0	0	0	0	0	10
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	44	39	114	187	79	13	0	0	0	0	0	0	0	0	476

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 301
 Percent in Pace : 63.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
Galaxy Drive
N/ Mairiners Drive
24 Hour Directional Speed Survey

PO Box 1178
Corona, CA 92878
Phone: (951) 268-6268
email: counts@countsunlimited.com

NPB015
Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	4	0	0	1	0	0	0	0	0	0	0	0	0	0	5
06:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
07:00	0	0	3	6	5	1	0	0	0	0	0	0	0	0	15
08:00	0	2	4	10	7	1	0	0	0	0	0	0	0	0	24
09:00	1	3	2	3	5	1	0	0	0	0	0	0	0	0	15
10:00	1	0	4	7	4	0	0	0	0	0	0	0	0	0	16
11:00	0	4	2	9	3	0	0	0	0	0	0	0	0	0	18
12 PM	5	1	6	7	1	0	0	0	0	0	0	0	0	0	20
13:00	4	2	3	6	3	2	0	0	0	0	0	0	0	0	20
14:00	3	5	5	12	4	0	0	0	0	0	0	0	0	0	29
15:00	1	3	8	12	5	0	0	0	0	0	0	0	0	0	29
16:00	0	1	3	7	2	0	0	0	0	0	0	0	0	0	13
17:00	3	1	3	6	3	0	0	0	0	0	0	0	0	0	16
18:00	0	1	3	5	1	1	0	0	0	0	0	0	0	0	11
19:00	0	1	0	2	1	1	0	0	0	0	0	0	0	0	5
20:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
21:00	0	1	2	3	2	0	0	0	0	0	0	0	0	0	8
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	25	53	102	47	7	0	0	0	0	0	0	0	0	256

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 155
 Percent in Pace : 60.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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NPB015
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	2	3	2	3	0	0	0	0	0	0	0	0	0	10
07:00	1	1	1	7	2	0	0	0	0	0	0	0	0	0	12
08:00	2	0	3	7	7	0	0	0	0	0	0	0	0	0	19
09:00	1	2	1	5	6	1	0	0	0	0	0	0	0	0	16
10:00	3	2	4	7	2	1	0	0	0	0	0	0	0	0	19
11:00	3	1	3	3	3	2	0	0	0	0	0	0	0	0	15
12 PM	0	2	8	11	1	1	0	0	0	0	0	0	0	0	23
13:00	2	1	2	4	6	3	0	0	0	0	0	0	0	0	18
14:00	2	3	2	9	5	1	0	0	0	0	0	0	0	0	22
15:00	3	1	6	17	1	1	0	0	0	0	0	0	0	0	29
16:00	2	0	4	4	5	3	0	0	0	0	0	0	0	0	18
17:00	5	2	5	7	2	2	0	0	0	0	0	0	0	0	23
18:00	0	2	3	7	3	1	0	0	0	0	0	0	0	0	16
19:00	0	0	1	6	3	0	0	0	0	0	0	0	0	0	10
20:00	0	2	1	3	4	0	0	0	0	0	0	0	0	0	10
21:00	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	24	21	50	100	56	16	0	0	0	0	0	0	0	0	267

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 156
 Percent in Pace : 58.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

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NPB015
Site Code: 105-19044

Northbound, Southbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/07/19	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	4	0	0	1	0	0	0	0	0	0	0	0	0	0	5
06:00	0	2	4	4	4	0	0	0	0	0	0	0	0	0	14
07:00	1	1	4	13	7	1	0	0	0	0	0	0	0	0	27
08:00	2	2	7	17	14	1	0	0	0	0	0	0	0	0	43
09:00	2	5	3	8	11	2	0	0	0	0	0	0	0	0	31
10:00	4	2	8	14	6	1	0	0	0	0	0	0	0	0	35
11:00	3	5	5	12	6	2	0	0	0	0	0	0	0	0	33
12 PM	5	3	14	18	2	1	0	0	0	0	0	0	0	0	43
13:00	6	3	5	10	9	5	0	0	0	0	0	0	0	0	38
14:00	5	8	7	21	9	1	0	0	0	0	0	0	0	0	51
15:00	4	4	14	29	6	1	0	0	0	0	0	0	0	0	58
16:00	2	1	7	11	7	3	0	0	0	0	0	0	0	0	31
17:00	8	3	8	13	5	2	0	0	0	0	0	0	0	0	39
18:00	0	3	6	12	4	2	0	0	0	0	0	0	0	0	27
19:00	0	1	1	8	4	1	0	0	0	0	0	0	0	0	15
20:00	0	2	2	5	4	0	0	0	0	0	0	0	0	0	13
21:00	0	1	4	3	4	0	0	0	0	0	0	0	0	0	12
22:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	46	46	103	202	103	23	0	0	0	0	0	0	0	0	523

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 305
 Percent in Pace : 58.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

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 24 Hour Directional Speed Survey

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NPB016
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
05:00	0	0	2	3	5	2	1	0	0	0	0	0	0	0	13
06:00	0	1	1	3	10	1	1	0	0	0	0	0	0	0	17
07:00	2	1	0	13	26	28	5	0	0	0	0	0	0	0	75
08:00	7	1	3	25	42	27	4	0	0	0	0	0	0	0	109
09:00	2	3	4	14	23	12	3	0	0	0	0	0	0	0	61
10:00	1	0	3	18	21	19	3	0	0	0	0	0	0	0	65
11:00	4	1	4	19	22	11	2	0	0	0	0	0	0	0	63
12 PM	10	4	2	12	22	10	6	1	0	0	0	0	0	0	67
13:00	3	1	3	15	30	19	2	0	0	0	0	0	0	0	73
14:00	0	0	3	11	12	23	5	1	1	0	0	0	0	0	56
15:00	6	2	4	22	33	21	2	1	0	0	0	0	0	0	91
16:00	3	0	4	22	17	15	1	0	0	0	0	0	0	0	62
17:00	2	1	6	27	29	8	2	1	0	0	0	0	0	0	76
18:00	2	1	3	12	23	9	2	0	0	0	0	0	0	0	52
19:00	0	0	3	4	9	6	1	0	0	0	0	0	0	0	23
20:00	0	1	0	6	8	3	0	0	0	0	0	0	0	0	18
21:00	2	0	1	3	4	1	1	0	0	0	0	0	0	0	12
22:00	0	1	1	4	2	5	0	0	0	0	0	0	0	0	13
23:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
Total	44	18	47	234	341	224	41	4	1	0	0	0	0	0	954

Daily
 15th Percentile : 25 MPH
 50th Percentile : 31 MPH
 85th Percentile : 37 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 575
 Percent in Pace : 60.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

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NPB016
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
06:00	0	0	3	3	5	1	0	0	0	0	0	0	0	0	12
07:00	3	1	0	11	20	7	1	0	0	0	0	0	0	0	43
08:00	2	0	7	11	28	12	1	0	0	0	0	0	0	0	61
09:00	5	3	2	18	20	4	0	0	0	0	0	0	0	0	52
10:00	0	0	2	16	13	7	2	0	0	0	0	0	0	0	40
11:00	2	3	4	6	11	7	1	0	0	0	0	0	0	0	34
12 PM	7	0	1	18	11	8	1	1	1	0	0	0	0	0	48
13:00	4	0	2	16	17	16	1	0	0	0	0	0	0	0	56
14:00	1	1	1	3	19	17	1	0	0	0	0	0	0	0	43
15:00	4	1	6	19	30	15	1	0	0	0	0	0	0	0	76
16:00	0	0	4	15	21	8	2	0	0	0	0	0	0	0	50
17:00	1	1	2	21	24	3	2	0	0	0	0	0	0	0	54
18:00	1	0	3	9	28	10	0	0	0	0	0	0	0	0	51
19:00	1	1	3	12	18	5	0	0	0	0	0	0	0	0	40
20:00	1	0	1	4	6	2	1	0	0	0	0	0	0	0	15
21:00	1	0	2	7	8	2	0	0	0	1	0	0	0	0	21
22:00	0	1	0	3	2	3	0	0	0	0	0	0	0	0	9
23:00	0	0	1	2	2	1	0	0	0	0	0	0	0	0	6
Total	33	12	45	194	285	131	14	1	2	1	0	0	0	0	718

Daily
 15th Percentile : 25 MPH
 50th Percentile : 31 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 479
 Percent in Pace : 66.7%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.1%

Counts Unlimited, Inc.

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 Highland Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

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NPB016
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
05:00	0	0	2	3	7	4	1	0	0	0	0	0	0	0	17
06:00	0	1	4	6	15	2	1	0	0	0	0	0	0	0	29
07:00	5	2	0	24	46	35	6	0	0	0	0	0	0	0	118
08:00	9	1	10	36	70	39	5	0	0	0	0	0	0	0	170
09:00	7	6	6	32	43	16	3	0	0	0	0	0	0	0	113
10:00	1	0	5	34	34	26	5	0	0	0	0	0	0	0	105
11:00	6	4	8	25	33	18	3	0	0	0	0	0	0	0	97
12 PM	17	4	3	30	33	18	7	2	1	0	0	0	0	0	115
13:00	7	1	5	31	47	35	3	0	0	0	0	0	0	0	129
14:00	1	1	4	14	31	40	6	1	1	0	0	0	0	0	99
15:00	10	3	10	41	63	36	3	1	0	0	0	0	0	0	167
16:00	3	0	8	37	38	23	3	0	0	0	0	0	0	0	112
17:00	3	2	8	48	53	11	4	1	0	0	0	0	0	0	130
18:00	3	1	6	21	51	19	2	0	0	0	0	0	0	0	103
19:00	1	1	6	16	27	11	1	0	0	0	0	0	0	0	63
20:00	1	1	1	10	14	5	1	0	0	0	0	0	0	0	33
21:00	3	0	3	10	12	3	1	0	0	1	0	0	0	0	33
22:00	0	2	1	7	4	8	0	0	0	0	0	0	0	0	22
23:00	0	0	1	2	4	3	0	0	0	0	0	0	0	0	10
Total	77	30	92	428	626	355	55	5	3	1	0	0	0	0	1672

Daily
 15th Percentile : 25 MPH
 50th Percentile : 31 MPH
 85th Percentile : 37 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1054
 Percent in Pace : 63.0%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.1%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Cambridge Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB022
 Site Code: 105-19044

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
06:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
07:00	0	0	5	8	7	2	0	0	0	0	0	0	0	0	22
08:00	1	0	6	8	16	3	0	0	0	0	0	0	0	0	34
09:00	3	1	3	12	7	3	0	0	0	0	0	0	0	0	29
10:00	2	0	4	15	9	2	1	0	0	0	0	0	0	0	33
11:00	2	0	2	9	16	1	0	0	0	0	0	0	0	0	30
12 PM	1	2	2	10	10	2	1	0	0	0	0	0	0	0	28
13:00	2	0	3	8	4	1	3	0	0	0	0	0	0	0	21
14:00	1	4	3	12	5	4	0	0	0	0	0	0	0	0	29
15:00	3	0	5	8	10	4	0	0	0	0	0	0	0	0	30
16:00	3	4	10	10	15	3	0	0	0	0	0	0	0	0	45
17:00	3	2	11	12	13	4	0	0	0	0	0	0	0	0	45
18:00	0	1	2	6	8	1	1	0	0	0	0	0	0	0	19
19:00	3	0	6	5	6	2	0	0	0	0	0	0	0	0	22
20:00	0	5	3	3	5	0	1	0	0	0	0	0	0	0	17
21:00	0	0	2	2	3	1	0	0	0	0	0	0	0	0	8
22:00	1	0	0	2	1	0	0	0	0	0	0	0	0	0	4
23:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
Total	25	20	69	131	141	33	7	0	0	0	0	0	0	0	426

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 272
 Percent in Pace : 63.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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 24 Hour Directional Speed Survey

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NPB022
 Site Code: 105-19044

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	1	3	1	0	0	0	0	0	0	0	0	6
06:00	0	0	1	2	0	1	0	0	0	0	0	0	0	0	4
07:00	0	1	0	5	5	0	0	0	0	0	0	0	0	0	11
08:00	2	0	4	12	8	3	0	0	0	0	0	0	0	0	29
09:00	3	4	7	8	6	1	0	0	0	0	0	0	0	0	29
10:00	0	3	8	10	8	2	0	0	0	0	0	0	0	0	31
11:00	0	1	2	8	7	2	0	0	0	0	0	0	0	0	20
12 PM	3	2	10	15	6	1	0	0	0	0	0	0	0	0	37
13:00	2	3	4	12	4	1	0	0	0	0	0	0	0	0	26
14:00	6	3	5	16	4	2	0	0	0	0	0	0	0	0	36
15:00	8	2	4	20	6	2	0	0	0	0	0	0	0	0	42
16:00	0	3	7	8	13	1	0	0	0	0	0	0	0	0	32
17:00	1	2	7	12	9	3	0	0	0	0	0	0	0	0	34
18:00	1	0	2	10	8	2	1	0	0	0	0	0	0	0	24
19:00	1	0	3	1	4	0	0	0	0	0	0	0	0	0	9
20:00	2	1	2	4	2	2	1	0	0	0	0	0	0	0	14
21:00	0	0	2	9	3	0	0	0	0	0	0	0	0	0	14
22:00	3	0	0	0	1	0	0	0	0	0	0	0	0	0	4
23:00	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
Total	34	25	69	156	98	24	2	1	0	0	0	0	0	1	410

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 254
 Percent in Pace : 62.0%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.2%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Cambridge Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB022
 Site Code: 105-19044

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/07/19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	0	2	4	1	0	0	0	0	0	0	0	0	9
06:00	0	0	2	2	2	1	0	0	0	0	0	0	0	0	7
07:00	0	1	5	13	12	2	0	0	0	0	0	0	0	0	33
08:00	3	0	10	20	24	6	0	0	0	0	0	0	0	0	63
09:00	6	5	10	20	13	4	0	0	0	0	0	0	0	0	58
10:00	2	3	12	25	17	4	1	0	0	0	0	0	0	0	64
11:00	2	1	4	17	23	3	0	0	0	0	0	0	0	0	50
12 PM	4	4	12	25	16	3	1	0	0	0	0	0	0	0	65
13:00	4	3	7	20	8	2	3	0	0	0	0	0	0	0	47
14:00	7	7	8	28	9	6	0	0	0	0	0	0	0	0	65
15:00	11	2	9	28	16	6	0	0	0	0	0	0	0	0	72
16:00	3	7	17	18	28	4	0	0	0	0	0	0	0	0	77
17:00	4	4	18	24	22	7	0	0	0	0	0	0	0	0	79
18:00	1	1	4	16	16	3	2	0	0	0	0	0	0	0	43
19:00	4	0	9	6	10	2	0	0	0	0	0	0	0	0	31
20:00	2	6	5	7	7	2	2	0	0	0	0	0	0	0	31
21:00	0	0	4	11	6	1	0	0	0	0	0	0	0	0	22
22:00	4	0	0	2	2	0	0	0	0	0	0	0	0	0	8
23:00	1	0	2	3	2	0	0	0	0	0	0	0	0	0	8
Total	59	45	138	287	239	57	9	1	0	0	0	0	0	1	836

Daily
 15th Percentile : 20 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 526
 Percent in Pace : 62.9%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.1%

Appendix E-2

ADT and Speed Data
Saturday, March 9, 2019

Counts Unlimited, Inc.

City of Newport Beach
 Baycrest Road
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB003
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		6	6			6	14				
12:15		9	7			5	19				
12:30		6	9			2	17				
12:45		1	11	22	33	1	16	14	66	36	99
01:00		5	10			6	12				
01:15		6	11			0	16				
01:30		2	7			0	7				
01:45		1	8	14	36	1	13	7	48	21	84
02:00		10	6			5	17				
02:15		5	6			0	21				
02:30		0	6			2	13				
02:45		0	5	15	23	0	17	7	68	22	91
03:00		0	5			0	10				
03:15		5	5			0	16				
03:30		2	7			0	9				
03:45		0	6	7	23	1	13	1	48	8	71
04:00		0	8			0	18				
04:15		0	12			0	19				
04:30		0	10			0	14				
04:45		0	6	0	36	0	10	0	61	0	97
05:00		3	5			0	15				
05:15		1	10			0	7				
05:30		0	5			1	10				
05:45		3	10	7	30	2	11	3	43	10	73
06:00		2	8			4	10				
06:15		4	5			2	16				
06:30		5	3			3	12				
06:45		2	4	13	20	2	7	11	45	24	65
07:00		2	8			4	14				
07:15		3	2			2	9				
07:30		4	3			0	9				
07:45		7	0	16	13	11	8	17	40	33	53
08:00		9	2			3	9				
08:15		10	3			6	6				
08:30		9	1			13	8				
08:45		13	5	41	11	14	6	36	29	77	40
09:00		9	4			7	8				
09:15		9	3			14	5				
09:30		7	3			6	5				
09:45		6	0	31	10	13	6	40	24	71	34
10:00		6	1			10	2				
10:15		8	4			14	1				
10:30		12	1			8	2				
10:45		7	4	33	10	14	2	46	7	79	17
11:00		10	3			13	4				
11:15		13	1			11	5				
11:30		5	0			14	2				
11:45		8	0	36	4	15	0	53	11	89	15
Total		235	249	235	249	235	490	235	490	470	739
Combined Total		484		484		725		725		1209	
AM Peak	-	10:30	-	-	-	11:00	-	-	-	-	-
Vol.	-	42	-	-	-	53	-	-	-	-	-
P.H.F.	-	0.808	-	-	-	0.883	-	-	-	-	-
PM Peak	-	-	00:30	-	-	-	02:00	-	-	-	-
Vol.	-	-	41	-	-	-	68	-	-	-	-
P.H.F.	-	-	0.932	-	-	-	0.810	-	-	-	-
Percentage		48.6%	51.4%			32.4%	67.6%				
ADT/AADT		ADT 1,209		AADT 1,209							

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB014
 Site Code: 105-19044B

Northbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	0	0	2	4	0	0	0	0	0	0	0	0	0	7
08:00	0	0	5	4	2	0	0	0	0	0	0	0	0	0	11
09:00	1	1	2	2	1	0	0	0	0	0	0	0	0	0	7
10:00	2	0	4	5	1	0	0	0	0	0	0	0	0	0	12
11:00	3	3	7	7	3	1	0	0	0	0	0	0	0	0	24
12 PM	2	1	3	7	7	0	0	0	0	0	0	0	0	0	20
13:00	0	1	1	9	4	0	0	0	0	0	0	0	0	0	15
14:00	0	1	7	4	3	0	0	0	0	0	0	0	0	0	15
15:00	1	2	2	7	8	1	0	0	0	0	0	0	0	0	21
16:00	0	0	4	16	4	0	0	0	0	0	0	0	0	0	24
17:00	2	2	6	14	2	0	0	0	0	0	0	0	0	0	26
18:00	5	1	3	8	1	0	0	0	0	0	0	0	0	0	18
19:00	1	0	4	6	2	0	0	0	0	0	0	0	0	0	13
20:00	0	1	2	4	1	0	0	0	0	0	0	0	0	0	8
21:00	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6
22:00	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7
23:00	0	1	2	5	2	0	0	0	0	0	0	0	0	0	10
Total	18	14	57	107	46	2	0	0	0	0	0	0	0	0	244

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 164
 Percent in Pace : 67.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB014
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
06:00	1	0	0	3	3	1	0	0	0	0	0	0	0	0	8
07:00	2	0	1	11	2	1	0	0	0	0	0	0	0	0	17
08:00	5	0	5	6	12	2	0	0	0	0	0	0	0	0	30
09:00	0	1	2	16	4	0	0	0	0	0	0	0	0	0	23
10:00	1	1	7	20	4	1	0	0	0	0	0	0	0	0	34
11:00	1	1	12	17	6	1	0	0	0	0	0	0	0	0	38
12 PM	3	0	9	16	18	1	0	0	0	0	0	0	0	0	47
13:00	4	0	4	21	3	1	0	0	0	0	0	0	0	0	33
14:00	2	2	5	20	4	0	0	0	0	0	0	0	0	0	33
15:00	3	1	9	20	6	1	0	0	0	0	0	0	0	0	40
16:00	0	1	5	15	9	1	0	0	0	0	0	0	0	0	31
17:00	3	0	6	26	5	0	0	0	0	0	0	0	0	0	40
18:00	3	1	6	15	8	1	0	0	0	0	0	0	0	0	34
19:00	0	0	6	2	4	1	0	0	0	0	0	0	0	0	13
20:00	0	1	3	8	3	0	0	0	0	0	0	0	0	0	15
21:00	0	1	2	7	2	0	0	0	0	0	0	0	0	0	12
22:00	1	0	1	3	2	1	0	0	0	0	0	0	0	0	8
23:00	0	0	3	2	2	0	0	0	0	0	0	0	0	0	7
Total	29	10	89	231	98	14	0	0	0	0	0	0	0	0	471

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 329
 Percent in Pace : 69.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB014
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
06:00	1	0	0	3	3	1	0	0	0	0	0	0	0	0	8
07:00	3	0	1	13	6	1	0	0	0	0	0	0	0	0	24
08:00	5	0	10	10	14	2	0	0	0	0	0	0	0	0	41
09:00	1	2	4	18	5	0	0	0	0	0	0	0	0	0	30
10:00	3	1	11	25	5	1	0	0	0	0	0	0	0	0	46
11:00	4	4	19	24	9	2	0	0	0	0	0	0	0	0	62
12 PM	5	1	12	23	25	1	0	0	0	0	0	0	0	0	67
13:00	4	1	5	30	7	1	0	0	0	0	0	0	0	0	48
14:00	2	3	12	24	7	0	0	0	0	0	0	0	0	0	48
15:00	4	3	11	27	14	2	0	0	0	0	0	0	0	0	61
16:00	0	1	9	31	13	1	0	0	0	0	0	0	0	0	55
17:00	5	2	12	40	7	0	0	0	0	0	0	0	0	0	66
18:00	8	2	9	23	9	1	0	0	0	0	0	0	0	0	52
19:00	1	0	10	8	6	1	0	0	0	0	0	0	0	0	26
20:00	0	2	5	12	4	0	0	0	0	0	0	0	0	0	23
21:00	0	1	4	11	2	0	0	0	0	0	0	0	0	0	18
22:00	1	0	4	6	3	1	0	0	0	0	0	0	0	0	15
23:00	0	1	5	7	4	0	0	0	0	0	0	0	0	0	17
Total	47	24	146	338	144	16	0	0	0	0	0	0	0	0	715

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 484
 Percent in Pace : 67.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 S/ Tradewinds Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB013
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
07:00	2	0	1	2	1	1	0	0	0	0	0	0	0	0	7
08:00	2	2	3	4	5	0	0	0	0	0	0	0	0	0	16
09:00	1	1	1	7	1	1	0	0	0	0	0	0	0	0	12
10:00	4	0	1	5	7	2	0	0	0	0	0	0	0	0	19
11:00	1	3	1	4	9	2	0	0	0	0	0	0	0	0	20
12 PM	3	0	1	3	5	1	1	0	0	0	0	0	0	0	14
13:00	3	0	1	5	5	1	0	0	0	0	0	0	0	0	15
14:00	0	1	1	3	4	1	0	0	0	0	0	0	0	0	10
15:00	2	2	0	2	4	4	0	0	0	0	0	0	0	0	14
16:00	1	1	3	2	7	4	0	0	0	0	0	0	0	0	18
17:00	4	1	4	1	8	1	0	0	0	0	0	0	0	0	19
18:00	0	0	0	1	3	3	0	0	0	0	0	0	0	0	7
19:00	2	0	0	7	2	0	0	0	0	0	0	0	0	0	11
20:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
21:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
22:00	1	1	0	2	0	1	0	0	0	0	0	0	0	0	5
23:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Total	26	12	18	54	66	23	1	0	0	0	0	0	0	0	200

Daily
 15th Percentile : 16 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 120
 Percent in Pace : 60.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 S/ Tradewinds Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB013
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	2	5	2	0	1	0	0	0	0	0	0	0	10
07:00	1	0	0	4	5	1	0	0	0	0	0	0	0	0	11
08:00	1	1	11	8	8	1	2	0	0	0	0	0	0	0	32
09:00	8	0	6	17	3	2	0	0	0	0	0	0	0	0	36
10:00	5	5	6	13	8	3	0	0	0	0	0	0	0	0	40
11:00	3	2	6	15	6	2	0	0	0	0	0	0	0	0	34
12 PM	3	4	7	14	11	7	1	0	0	0	0	0	0	0	47
13:00	2	1	9	13	7	1	0	0	0	0	0	0	0	0	33
14:00	4	3	9	10	13	3	0	0	0	0	0	0	0	0	42
15:00	2	3	7	11	11	3	0	0	0	0	0	0	0	0	37
16:00	5	1	4	13	7	1	1	0	0	0	0	0	0	0	32
17:00	5	2	8	21	3	1	0	0	1	0	0	0	0	0	41
18:00	0	0	2	8	9	1	0	0	0	0	0	0	0	0	20
19:00	1	0	5	8	9	1	0	0	0	0	0	0	0	0	24
20:00	0	0	2	10	3	0	0	0	0	0	0	0	0	0	15
21:00	0	0	1	8	6	0	0	0	0	0	0	0	0	0	15
22:00	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
23:00	0	0	3	3	2	0	0	0	0	0	0	0	0	0	8
Total	40	22	92	184	116	27	5	0	1	0	0	0	0	0	487

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 300
 Percent in Pace : 61.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Commodore Road
 S/ Tradewinds Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB013
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	2	6	3	0	1	0	0	0	0	0	0	0	12
07:00	3	0	1	6	6	2	0	0	0	0	0	0	0	0	18
08:00	3	3	14	12	13	1	2	0	0	0	0	0	0	0	48
09:00	9	1	7	24	4	3	0	0	0	0	0	0	0	0	48
10:00	9	5	7	18	15	5	0	0	0	0	0	0	0	0	59
11:00	4	5	7	19	15	4	0	0	0	0	0	0	0	0	54
12 PM	6	4	8	17	16	8	2	0	0	0	0	0	0	0	61
13:00	5	1	10	18	12	2	0	0	0	0	0	0	0	0	48
14:00	4	4	10	13	17	4	0	0	0	0	0	0	0	0	52
15:00	4	5	7	13	15	7	0	0	0	0	0	0	0	0	51
16:00	6	2	7	15	14	5	1	0	0	0	0	0	0	0	50
17:00	9	3	12	22	11	2	0	0	1	0	0	0	0	0	60
18:00	0	0	2	9	12	4	0	0	0	0	0	0	0	0	27
19:00	3	0	5	15	11	1	0	0	0	0	0	0	0	0	35
20:00	0	0	2	11	6	0	0	0	0	0	0	0	0	0	19
21:00	0	0	1	9	7	0	0	0	0	0	0	0	0	0	17
22:00	1	1	1	3	2	1	0	0	0	0	0	0	0	0	9
23:00	0	0	3	6	2	0	0	0	0	0	0	0	0	0	11
Total	66	34	110	238	182	50	6	0	1	0	0	0	0	0	687

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 420
 Percent in Pace : 61.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 N/ Westcliff Drive
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB007
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	17			3	18				
12:15		1	13			1	18				
12:30		0	14			1	11				
12:45		2	14	4	58	0	14	5	61	9	119
01:00		1	18			1	14				
01:15		0	18			3	14				
01:30		0	15			1	11				
01:45		1	12	2	63	0	13	5	52	7	115
02:00		2	12			0	9				
02:15		0	16			0	9				
02:30		0	6			0	14				
02:45		0	9	2	43	0	15	0	47	2	90
03:00		0	17			0	5				
03:15		0	18			0	11				
03:30		0	13			0	13				
03:45		0	13	0	61	0	11	0	40	0	101
04:00		1	13			1	9				
04:15		0	13			0	12				
04:30		1	19			0	11				
04:45		0	12	2	57	1	17	2	49	4	106
05:00		0	21			0	15				
05:15		1	15			3	11				
05:30		0	9			0	8				
05:45		1	6	2	51	7	9	10	43	12	94
06:00		0	12			3	11				
06:15		3	15			5	9				
06:30		2	15			3	15				
06:45		4	12	9	54	5	13	16	48	25	102
07:00		2	13			13	10				
07:15		3	12			3	8				
07:30		4	11			4	3				
07:45		6	4	15	40	13	7	33	28	48	68
08:00		8	4			13	8				
08:15		4	10			12	3				
08:30		4	5			12	6				
08:45		5	5	21	24	19	5	56	22	77	46
09:00		15	6			16	3				
09:15		14	3			17	4				
09:30		14	9			16	1				
09:45		8	5	51	23	11	2	60	10	111	33
10:00		12	8			27	1				
10:15		13	4			16	5				
10:30		12	3			16	2				
10:45		14	8	51	23	16	6	75	14	126	37
11:00		17	4			16	2				
11:15		15	2			8	2				
11:30		18	3			10	1				
11:45		14	1	64	10	14	0	48	5	112	15
Total		223	507	223	507	310	419	310	419	533	926
Combined Total		730		730		729		729		1459	
AM Peak	-	10:45	-	-	-	10:00	-	-	-	-	-
Vol.	-	64	-	-	-	75	-	-	-	-	-
P.H.F.	-	0.889	-	-	-	0.694	-	-	-	-	-
PM Peak	-	-	04:30	-	-	-	12:00	-	-	-	-
Vol.	-	-	67	-	-	-	61	-	-	-	-
P.H.F.	-	-	0.798	-	-	-	0.847	-	-	-	-
Percentage		30.5%	69.5%			42.5%	57.5%				
ADT/AADT		ADT 1,459		AADT 1,459							

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB021
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
05:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	4	1	1	0	0	0	0	0	0	0	0	7
07:00	1	0	2	4	2	1	0	0	0	0	0	0	0	0	10
08:00	1	2	4	9	5	1	0	0	0	0	0	0	0	0	22
09:00	1	0	6	18	7	3	0	0	0	0	0	0	0	0	35
10:00	0	1	5	15	7	3	2	1	0	0	0	0	0	0	34
11:00	0	2	8	26	17	4	0	0	0	0	0	0	0	0	57
12 PM	2	3	7	16	19	2	0	0	0	0	0	0	0	0	49
13:00	0	2	13	20	13	5	0	0	0	0	0	0	0	0	53
14:00	2	1	8	12	7	3	1	0	0	0	0	0	0	0	34
15:00	6	2	10	21	15	3	1	0	0	0	0	0	0	0	58
16:00	0	5	10	17	9	2	1	0	0	0	0	0	0	0	44
17:00	1	1	12	18	8	3	0	0	0	0	0	0	0	0	43
18:00	0	2	11	17	6	3	0	0	0	0	0	0	0	0	39
19:00	1	4	8	9	13	0	1	0	0	0	0	0	0	0	36
20:00	0	1	2	9	6	0	0	0	0	0	0	0	0	0	18
21:00	0	1	6	7	7	1	0	0	0	0	0	0	0	0	22
22:00	0	0	2	9	7	2	0	0	0	0	0	0	0	0	20
23:00	0	0	4	2	4	0	0	0	0	0	0	0	0	0	10
Total	17	28	121	234	157	37	7	1	0	0	0	0	0	0	602

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 391
 Percent in Pace : 65.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB021
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
01:00	0	0	1	1	3	0	0	0	0	0	0	0	0	0	5
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	0	2	1	0	0	0	0	0	0	0	0	4
06:00	0	0	2	3	4	2	0	0	0	0	0	0	0	0	11
07:00	0	1	2	10	9	1	0	0	0	0	0	0	0	0	23
08:00	0	1	13	17	14	3	1	0	0	0	0	0	0	0	49
09:00	3	2	5	17	18	1	0	0	0	0	0	0	0	0	46
10:00	0	1	5	27	19	4	0	0	0	0	0	0	0	0	56
11:00	2	0	6	18	15	1	0	0	0	0	0	0	0	0	42
12 PM	4	3	8	20	19	1	1	0	0	0	0	0	0	0	56
13:00	2	0	3	28	13	1	0	0	0	0	0	0	0	0	47
14:00	2	0	3	22	4	4	0	0	0	0	0	0	0	0	35
15:00	4	4	3	17	5	1	0	0	0	0	0	0	0	0	34
16:00	1	2	7	17	7	3	0	0	0	0	0	0	0	0	37
17:00	0	1	8	17	8	3	0	0	0	0	0	0	0	0	37
18:00	0	2	10	16	9	3	0	0	0	0	0	0	0	0	40
19:00	2	0	3	13	7	1	0	0	0	0	0	0	0	0	26
20:00	0	0	2	8	9	1	0	0	0	0	0	0	0	0	20
21:00	0	0	2	6	3	0	0	0	0	0	0	0	0	0	11
22:00	0	0	4	3	2	3	0	0	0	0	0	0	0	0	12
23:00	0	0	1	4	1	0	0	0	0	0	0	0	0	0	6
Total	21	17	89	266	173	34	2	0	0	0	0	0	0	0	602

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 439
 Percent in Pace : 72.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Dover Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB021
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	1	2	3	0	0	0	0	0	0	0	0	0	6
01:00	0	0	2	1	4	0	1	0	0	0	0	0	0	0	8
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
05:00	3	0	0	0	2	1	0	0	0	0	0	0	0	0	6
06:00	0	0	3	7	5	3	0	0	0	0	0	0	0	0	18
07:00	1	1	4	14	11	2	0	0	0	0	0	0	0	0	33
08:00	1	3	17	26	19	4	1	0	0	0	0	0	0	0	71
09:00	4	2	11	35	25	4	0	0	0	0	0	0	0	0	81
10:00	0	2	10	42	26	7	2	1	0	0	0	0	0	0	90
11:00	2	2	14	44	32	5	0	0	0	0	0	0	0	0	99
12 PM	6	6	15	36	38	3	1	0	0	0	0	0	0	0	105
13:00	2	2	16	48	26	6	0	0	0	0	0	0	0	0	100
14:00	4	1	11	34	11	7	1	0	0	0	0	0	0	0	69
15:00	10	6	13	38	20	4	1	0	0	0	0	0	0	0	92
16:00	1	7	17	34	16	5	1	0	0	0	0	0	0	0	81
17:00	1	2	20	35	16	6	0	0	0	0	0	0	0	0	80
18:00	0	4	21	33	15	6	0	0	0	0	0	0	0	0	79
19:00	3	4	11	22	20	1	1	0	0	0	0	0	0	0	62
20:00	0	1	4	17	15	1	0	0	0	0	0	0	0	0	38
21:00	0	1	8	13	10	1	0	0	0	0	0	0	0	0	33
22:00	0	0	6	12	9	5	0	0	0	0	0	0	0	0	32
23:00	0	0	5	6	5	0	0	0	0	0	0	0	0	0	16
Total	38	45	210	500	330	71	9	1	0	0	0	0	0	0	1204

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 830
 Percent in Pace : 68.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Francisco Drive
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB002
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		2	4			2	10				
12:15		0	6			2	9				
12:30		1	1			0	4				
12:45		0	4	3	15	1	11	5	34	8	49
01:00		0	6			1	10				
01:15		2	4			4	9				
01:30		2	2			2	5				
01:45		0	6	4	18	0	17	7	41	11	59
02:00		0	3			1	7				
02:15		0	4			0	9				
02:30		2	3			1	7				
02:45		0	2	2	12	2	9	4	32	6	44
03:00		0	7			0	9				
03:15		0	2			0	11				
03:30		0	3			0	5				
03:45		0	4	0	16	0	9	0	34	0	50
04:00		0	3			0	7				
04:15		1	4			0	9				
04:30		0	2			0	13				
04:45		0	1	1	10	0	8	0	37	1	47
05:00		0	1			0	13				
05:15		0	3			0	6				
05:30		0	2			1	8				
05:45		1	10	1	16	0	14	1	41	2	57
06:00		2	2			3	8				
06:15		0	3			2	5				
06:30		0	3			3	6				
06:45		3	4	5	12	3	4	11	23	16	35
07:00		1	2			3	6				
07:15		3	3			2	4				
07:30		4	6			5	3				
07:45		3	0	11	11	3	2	13	15	24	26
08:00		4	0			2	4				
08:15		6	4			4	5				
08:30		5	3			3	5				
08:45		3	0	18	7	4	6	13	20	31	27
09:00		3	2			2	6				
09:15		3	1			8	4				
09:30		8	1			1	2				
09:45		6	2	20	6	5	5	16	17	36	23
10:00		6	0			7	1				
10:15		3	0			4	4				
10:30		3	0			6	1				
10:45		4	2	16	2	7	3	24	9	40	11
11:00		5	2			13	0				
11:15		0	0			9	0				
11:30		6	0			12	1				
11:45		5	1	16	3	12	3	46	4	62	7
Total		97	128	97	128	140	307	140	307	237	435
Combined Total		225		225		447		447		672	
AM Peak	-	09:15	-	-	-	11:00	-	-	-	-	-
Vol.	-	23	-	-	-	46	-	-	-	-	-
P.H.F.	-	0.719	-	-	-	0.885	-	-	-	-	-
PM Peak	-	-	01:00	-	-	-	04:15	-	-	-	-
Vol.	-	-	18	-	-	-	43	-	-	-	-
P.H.F.	-	-	0.750	-	-	-	0.632	-	-	-	-
Percentage		43.1%	56.9%			31.3%	68.7%				
ADT/AADT		ADT 672		AADT 672							

Counts Unlimited, Inc.

City of Newport Beach
Galxy Drive
E/ Polaris Drive
24 Hour Directional Speed Survey

PO Box 1178
Corona, CA 92878
Phone: (951) 268-6268
email: counts@countsunlimited.com

NPB026
Site Code: 105-19044B

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	2	2	4	0	0	0	0	0	0	0	0	0	0	8
08:00	2	1	3	2	0	0	0	0	0	0	0	0	0	0	8
09:00	3	1	1	5	0	1	0	0	0	0	0	0	0	0	11
10:00	0	4	3	3	2	0	0	0	0	0	0	0	0	0	12
11:00	0	3	5	8	0	0	0	0	0	0	0	0	0	0	16
12 PM	1	2	4	6	2	0	0	0	0	0	0	0	0	0	15
13:00	3	1	4	3	0	0	0	0	0	0	0	0	0	0	11
14:00	2	5	7	2	0	0	0	0	0	0	0	0	0	0	16
15:00	3	3	7	4	3	0	0	0	0	0	0	0	0	0	20
16:00	0	3	6	2	1	0	0	0	0	0	0	0	0	0	12
17:00	3	0	4	3	0	0	0	0	0	0	0	0	0	0	10
18:00	1	1	6	1	1	0	0	0	0	0	0	0	0	0	10
19:00	1	1	5	0	0	0	0	0	0	0	0	0	0	0	7
20:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
21:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	4	1	1	0	0	0	0	0	0	0	0	0	6
Total	21	29	69	48	12	1	0	0	0	0	0	0	0	0	180

Daily
 15th Percentile : 16 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 117
 Percent in Pace : 65.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
Galxy Drive
E/ Polaris Drive
24 Hour Directional Speed Survey

PO Box 1178
Corona, CA 92878
Phone: (951) 268-6268
email: counts@countsunlimited.com

NPB026
Site Code: 105-19044B

Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
06:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2
07:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
08:00	2	3	10	7	0	0	0	0	0	0	0	0	0	0	22
09:00	2	2	3	5	3	0	0	0	0	0	0	0	0	0	15
10:00	3	2	6	6	2	2	0	0	0	0	0	0	0	0	21
11:00	1	2	5	7	1	0	0	0	0	0	0	0	0	0	16
12 PM	0	5	3	3	3	0	0	0	0	0	0	0	0	0	14
13:00	4	0	3	6	1	0	0	0	0	0	0	0	0	0	14
14:00	2	1	6	3	1	0	0	0	0	0	0	0	0	0	13
15:00	2	3	3	3	1	0	0	0	0	0	0	0	0	0	12
16:00	2	4	5	7	0	0	0	0	0	0	0	0	0	0	18
17:00	0	8	5	0	1	0	0	0	0	0	0	0	0	0	14
18:00	0	1	3	4	1	0	0	0	0	0	0	0	0	0	9
19:00	0	1	4	2	1	0	0	0	0	0	0	0	0	0	8
20:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
21:00	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7
22:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
23:00	0	4	0	0	1	0	0	0	0	0	0	0	0	0	5
Total	21	41	61	59	16	3	0	0	0	0	0	0	0	0	201

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 120
 Percent in Pace : 59.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
Galxy Drive
E/ Polaris Drive
24 Hour Directional Speed Survey

PO Box 1178
Corona, CA 92878
Phone: (951) 268-6268
email: counts@countsunlimited.com

NPB026
Site Code: 105-19044B

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
06:00	1	0	2	0	0	1	0	0	0	0	0	0	0	0	4
07:00	1	3	4	4	0	0	0	0	0	0	0	0	0	0	12
08:00	4	4	13	9	0	0	0	0	0	0	0	0	0	0	30
09:00	5	3	4	10	3	1	0	0	0	0	0	0	0	0	26
10:00	3	6	9	9	4	2	0	0	0	0	0	0	0	0	33
11:00	1	5	10	15	1	0	0	0	0	0	0	0	0	0	32
12 PM	1	7	7	9	5	0	0	0	0	0	0	0	0	0	29
13:00	7	1	7	9	1	0	0	0	0	0	0	0	0	0	25
14:00	4	6	13	5	1	0	0	0	0	0	0	0	0	0	29
15:00	5	6	10	7	4	0	0	0	0	0	0	0	0	0	32
16:00	2	7	11	9	1	0	0	0	0	0	0	0	0	0	30
17:00	3	8	9	3	1	0	0	0	0	0	0	0	0	0	24
18:00	1	2	9	5	2	0	0	0	0	0	0	0	0	0	19
19:00	1	2	9	2	1	0	0	0	0	0	0	0	0	0	15
20:00	1	1	0	1	1	0	0	0	0	0	0	0	0	0	4
21:00	0	4	5	3	0	0	0	0	0	0	0	0	0	0	12
22:00	0	0	2	5	1	0	0	0	0	0	0	0	0	0	8
23:00	0	4	4	1	2	0	0	0	0	0	0	0	0	0	11
Total	42	70	130	107	28	4	0	0	0	0	0	0	0	0	381

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 237
 Percent in Pace : 62.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB011
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	1	0	0	2	1	0	0	0	0	0	0	0	0	0	4
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4
08:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
09:00	1	0	2	3	2	0	0	0	0	0	0	0	0	0	8
10:00	1	0	9	4	7	1	0	0	0	0	0	0	0	0	22
11:00	1	0	5	12	4	0	0	0	0	0	0	0	0	0	22
12 PM	1	0	6	4	3	0	0	0	0	0	0	0	0	0	14
13:00	1	3	4	2	3	0	0	0	0	0	0	0	0	0	13
14:00	2	1	6	7	2	0	0	0	0	0	0	0	0	0	18
15:00	3	2	2	13	1	0	0	0	0	0	0	0	0	0	21
16:00	0	1	2	5	3	0	0	0	0	0	0	0	0	0	11
17:00	2	1	6	9	2	2	0	0	0	0	0	0	0	0	22
18:00	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7
19:00	0	1	1	5	1	0	0	0	0	0	0	0	0	0	8
20:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
21:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
22:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
23:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
Total	13	11	55	76	35	4	0	0	0	0	0	0	0	0	194

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 131
 Percent in Pace : 67.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB011
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	1	0	4	0	0	0	0	0	0	0	0	0	0	5
08:00	3	0	5	2	2	0	0	0	0	0	0	0	0	0	12
09:00	12	0	3	3	3	4	0	0	0	0	0	0	0	0	25
10:00	2	1	1	4	2	1	0	0	0	0	0	0	0	0	11
11:00	4	0	3	5	6	0	0	0	0	0	0	0	0	0	18
12 PM	5	6	4	5	3	3	0	0	0	0	0	0	0	0	26
13:00	4	1	1	6	4	1	0	0	0	0	0	0	0	0	17
14:00	3	0	6	4	2	0	0	0	0	0	0	0	0	0	15
15:00	2	0	1	4	1	1	0	0	0	0	0	0	0	0	9
16:00	0	0	3	2	3	0	0	0	0	0	0	0	0	0	8
17:00	2	2	3	4	1	0	0	0	0	0	0	0	0	0	12
18:00	0	0	2	5	3	0	0	0	0	0	0	0	0	0	10
19:00	0	0	2	3	2	0	0	0	0	0	0	0	0	0	7
20:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
21:00	0	2	0	4	0	1	0	0	0	0	0	0	0	0	7
22:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	38	15	35	59	33	11	0	0	0	0	0	0	0	0	191

Daily
 15th Percentile : 11 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 94
 Percent in Pace : 49.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
Galaxy Drive
N/ Holiday Road
24 Hour Directional Speed Survey

PO Box 1178
Corona, CA 92878
Phone: (951) 268-6268
email: counts@countsunlimited.com

NPB011
Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	1	0	0	2	1	0	0	0	0	0	0	0	0	0	4
01:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
07:00	0	1	0	5	2	1	0	0	0	0	0	0	0	0	9
08:00	3	0	6	3	3	0	0	0	0	0	0	0	0	0	15
09:00	13	0	5	6	5	4	0	0	0	0	0	0	0	0	33
10:00	3	1	10	8	9	2	0	0	0	0	0	0	0	0	33
11:00	5	0	8	17	10	0	0	0	0	0	0	0	0	0	40
12 PM	6	6	10	9	6	3	0	0	0	0	0	0	0	0	40
13:00	5	4	5	8	7	1	0	0	0	0	0	0	0	0	30
14:00	5	1	12	11	4	0	0	0	0	0	0	0	0	0	33
15:00	5	2	3	17	2	1	0	0	0	0	0	0	0	0	30
16:00	0	1	5	7	6	0	0	0	0	0	0	0	0	0	19
17:00	4	3	9	13	3	2	0	0	0	0	0	0	0	0	34
18:00	0	0	5	8	4	0	0	0	0	0	0	0	0	0	17
19:00	0	1	3	8	3	0	0	0	0	0	0	0	0	0	15
20:00	0	2	2	4	0	0	0	0	0	0	0	0	0	0	8
21:00	0	2	0	4	1	1	0	0	0	0	0	0	0	0	8
22:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
23:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
Total	51	26	90	135	68	15	0	0	0	0	0	0	0	0	385

Daily
 15th Percentile : 16 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 225
 Percent in Pace : 58.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB015
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	2	0	1	1	0	1	0	0	0	0	0	0	0	0	5
07:00	0	1	0	0	4	0	0	0	0	0	0	0	0	0	5
08:00	6	1	2	5	1	0	0	0	0	0	0	0	0	0	15
09:00	11	0	2	3	3	1	0	0	0	0	0	0	0	0	20
10:00	3	1	5	6	5	1	0	0	0	0	0	0	0	0	21
11:00	8	3	2	9	3	0	0	0	0	0	0	0	0	0	25
12 PM	6	0	3	5	4	0	0	0	0	0	0	0	0	0	18
13:00	6	2	3	4	2	0	0	0	0	0	0	0	0	0	17
14:00	2	1	10	8	2	0	0	0	0	0	0	0	0	0	23
15:00	3	2	1	8	6	0	0	0	0	0	0	0	0	0	20
16:00	2	2	5	4	3	0	0	0	0	0	0	0	0	0	16
17:00	2	2	10	15	2	2	0	0	0	0	0	0	0	0	33
18:00	0	0	3	7	2	0	0	0	0	0	0	0	0	0	12
19:00	0	1	2	3	1	0	0	0	0	0	0	0	0	0	7
20:00	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3
21:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
22:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
23:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
Total	52	19	51	85	40	5	0	0	0	0	0	0	0	0	252

Daily
 15th Percentile : 10 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 136
 Percent in Pace : 54.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB015
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	0	1	4	1	0	0	0	0	0	0	0	0	0	6
08:00	0	0	5	6	1	0	0	0	0	0	0	0	0	0	12
09:00	1	1	2	4	5	3	0	0	0	0	0	0	0	0	16
10:00	2	2	1	3	1	5	0	0	0	0	0	0	0	0	14
11:00	3	0	3	4	5	1	1	0	0	0	0	0	0	0	17
12 PM	3	1	3	4	3	2	0	0	0	0	0	0	0	0	16
13:00	0	2	2	7	6	5	0	0	0	0	0	0	0	0	22
14:00	0	0	3	5	4	0	0	0	0	0	0	0	0	0	12
15:00	0	2	2	7	2	0	0	0	0	0	0	0	0	0	13
16:00	0	2	2	4	4	0	1	0	0	0	0	0	0	0	13
17:00	1	0	3	3	2	0	0	0	0	0	0	0	0	0	9
18:00	0	0	2	6	3	2	1	0	0	0	0	0	0	0	14
19:00	0	0	1	5	3	1	0	0	0	0	0	0	0	0	10
20:00	0	1	2	1	4	0	0	0	0	0	0	0	0	0	8
21:00	0	1	2	2	3	2	0	0	0	0	0	0	0	0	10
22:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
Total	10	13	35	70	51	22	3	0	0	0	0	0	0	0	204

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 121
 Percent in Pace : 59.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Galaxy Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB015
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
06:00	2	1	2	1	0	1	0	0	0	0	0	0	0	0	7
07:00	0	1	1	4	5	0	0	0	0	0	0	0	0	0	11
08:00	6	1	7	11	2	0	0	0	0	0	0	0	0	0	27
09:00	12	1	4	7	8	4	0	0	0	0	0	0	0	0	36
10:00	5	3	6	9	6	6	0	0	0	0	0	0	0	0	35
11:00	11	3	5	13	8	1	1	0	0	0	0	0	0	0	42
12 PM	9	1	6	9	7	2	0	0	0	0	0	0	0	0	34
13:00	6	4	5	11	8	5	0	0	0	0	0	0	0	0	39
14:00	2	1	13	13	6	0	0	0	0	0	0	0	0	0	35
15:00	3	4	3	15	8	0	0	0	0	0	0	0	0	0	33
16:00	2	4	7	8	7	0	1	0	0	0	0	0	0	0	29
17:00	3	2	13	18	4	2	0	0	0	0	0	0	0	0	42
18:00	0	0	5	13	5	2	1	0	0	0	0	0	0	0	26
19:00	0	1	3	8	4	1	0	0	0	0	0	0	0	0	17
20:00	1	2	2	2	4	0	0	0	0	0	0	0	0	0	11
21:00	0	1	2	2	4	2	0	0	0	0	0	0	0	0	11
22:00	0	0	1	2	2	0	0	0	0	0	0	0	0	0	5
23:00	0	1	1	3	1	1	0	0	0	0	0	0	0	0	7
Total	62	32	86	155	91	27	3	0	0	0	0	0	0	0	456

Daily
 15th Percentile : 16 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 246
 Percent in Pace : 53.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB016
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
05:00	0	1	0	1	2	1	0	0	0	0	0	0	0	0	5
06:00	1	1	2	1	8	5	0	0	0	0	0	0	0	0	18
07:00	1	1	1	3	15	5	3	0	0	0	0	0	0	0	29
08:00	1	1	3	13	19	14	0	0	0	0	0	0	0	0	51
09:00	5	2	8	15	28	13	1	0	0	0	0	0	0	0	72
10:00	13	9	9	28	13	3	2	0	0	0	0	0	0	0	77
11:00	27	9	5	25	21	9	0	0	0	0	0	0	0	0	96
12 PM	24	4	5	25	23	7	1	0	0	0	0	0	0	0	89
13:00	8	5	1	13	20	9	0	0	0	0	0	0	0	0	56
14:00	19	7	5	16	19	10	0	1	1	0	0	0	0	0	78
15:00	8	3	4	13	12	7	0	0	0	0	0	0	0	0	47
16:00	4	1	1	13	14	5	0	0	0	0	0	0	0	0	38
17:00	5	1	4	12	15	6	0	0	0	0	0	0	0	0	43
18:00	2	0	2	26	13	2	1	0	0	0	0	0	0	0	46
19:00	0	1	4	8	10	2	0	0	0	0	0	0	0	0	25
20:00	1	1	1	8	9	3	0	0	0	0	0	0	0	0	23
21:00	2	0	1	4	8	2	1	0	0	0	0	0	0	0	18
22:00	1	1	1	8	4	2	3	0	0	0	0	0	0	0	20
23:00	0	1	0	7	8	1	0	0	0	0	0	0	0	0	17
Total	122	49	57	240	264	109	12	1	1	0	0	0	0	0	855

Daily
 15th Percentile : 15 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 504
 Percent in Pace : 58.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB016
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	3	5	6	4	0	0	0	0	0	0	0	0	18
07:00	0	0	4	6	2	1	0	0	0	0	0	0	0	0	13
08:00	2	1	3	16	10	0	0	0	0	0	0	0	0	0	32
09:00	4	1	8	12	14	4	1	0	0	0	0	0	0	0	44
10:00	13	2	8	22	4	2	0	0	0	0	0	0	0	0	51
11:00	19	3	6	19	16	3	0	0	0	0	0	0	0	0	66
12 PM	20	1	2	19	16	6	0	0	0	0	0	0	0	0	64
13:00	14	0	1	7	13	1	2	0	0	0	0	0	0	0	38
14:00	8	1	4	14	23	12	0	0	0	0	0	0	0	0	62
15:00	7	0	2	12	13	5	0	0	0	0	0	0	0	0	39
16:00	2	0	5	16	19	5	0	0	0	0	0	0	0	0	47
17:00	4	0	7	24	18	8	1	0	0	0	0	0	0	0	62
18:00	3	1	4	14	14	2	2	0	0	0	0	0	0	0	40
19:00	2	0	3	4	17	3	0	0	0	0	0	0	0	0	29
20:00	0	0	3	8	8	3	0	0	0	0	0	0	0	0	22
21:00	0	0	1	4	8	1	0	0	0	0	0	0	0	0	14
22:00	1	0	1	8	3	1	0	0	0	0	0	0	0	0	14
23:00	0	0	1	3	3	1	0	0	0	0	0	0	0	0	8
Total	99	10	66	216	210	63	6	0	0	0	0	0	0	0	670

Daily
 15th Percentile : 15 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 426
 Percent in Pace : 63.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 N/ Mariners Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB016
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	2	4	1	0	0	0	0	0	0	0	0	7
01:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
05:00	0	1	0	1	2	1	0	0	0	0	0	0	0	0	5
06:00	1	1	5	6	14	9	0	0	0	0	0	0	0	0	36
07:00	1	1	5	9	17	6	3	0	0	0	0	0	0	0	42
08:00	3	2	6	29	29	14	0	0	0	0	0	0	0	0	83
09:00	9	3	16	27	42	17	2	0	0	0	0	0	0	0	116
10:00	26	11	17	50	17	5	2	0	0	0	0	0	0	0	128
11:00	46	12	11	44	37	12	0	0	0	0	0	0	0	0	162
12 PM	44	5	7	44	39	13	1	0	0	0	0	0	0	0	153
13:00	22	5	2	20	33	10	2	0	0	0	0	0	0	0	94
14:00	27	8	9	30	42	22	0	1	1	0	0	0	0	0	140
15:00	15	3	6	25	25	12	0	0	0	0	0	0	0	0	86
16:00	6	1	6	29	33	10	0	0	0	0	0	0	0	0	85
17:00	9	1	11	36	33	14	1	0	0	0	0	0	0	0	105
18:00	5	1	6	40	27	4	3	0	0	0	0	0	0	0	86
19:00	2	1	7	12	27	5	0	0	0	0	0	0	0	0	54
20:00	1	1	4	16	17	6	0	0	0	0	0	0	0	0	45
21:00	2	0	2	8	16	3	1	0	0	0	0	0	0	0	32
22:00	2	1	2	16	7	3	3	0	0	0	0	0	0	0	34
23:00	0	1	1	10	11	2	0	0	0	0	0	0	0	0	25
Total	221	59	123	456	474	172	18	1	1	0	0	0	0	0	1525

Daily
 15th Percentile : 15 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 930
 Percent in Pace : 61.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Cambridge Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB022
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
07:00	0	1	4	7	4	1	0	0	0	0	0	0	0	0	17
08:00	2	2	4	8	3	0	0	0	0	0	0	0	0	0	19
09:00	0	1	6	2	5	3	0	0	0	0	0	0	0	0	17
10:00	0	1	2	5	7	3	0	0	0	0	0	0	0	0	18
11:00	0	2	5	6	11	4	0	0	0	0	0	0	0	0	28
12 PM	1	2	2	6	9	1	1	0	0	0	0	0	0	0	22
13:00	1	0	6	11	7	0	0	0	0	0	0	0	0	0	25
14:00	2	2	5	9	10	1	0	0	0	0	0	0	0	0	29
15:00	0	3	2	12	4	2	0	0	0	0	0	0	0	0	23
16:00	3	1	6	10	3	0	0	0	0	0	0	0	0	0	23
17:00	0	4	6	9	3	0	0	0	0	0	0	0	0	0	22
18:00	0	3	6	14	9	0	0	0	0	0	0	0	0	0	32
19:00	0	0	4	9	7	1	0	0	0	0	0	0	0	0	21
20:00	0	2	1	8	2	2	0	0	0	0	0	0	0	0	15
21:00	0	1	0	5	5	0	0	0	0	0	0	0	0	0	11
22:00	0	0	2	2	5	1	0	0	0	0	0	0	0	0	10
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	9	25	63	126	97	20	1	0	0	0	0	0	0	0	341

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 223
 Percent in Pace : 65.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Cambridge Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB022
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	2	4	1	0	0	0	0	0	0	0	0	7
07:00	0	0	1	2	2	2	0	0	0	0	0	0	0	0	7
08:00	1	1	3	7	5	2	1	0	0	0	0	0	0	0	20
09:00	3	2	5	10	5	0	0	0	0	0	0	0	0	0	25
10:00	0	1	3	9	6	2	0	0	0	0	0	0	0	0	21
11:00	3	0	4	11	12	1	0	0	0	0	0	0	0	0	31
12 PM	0	2	5	6	12	0	0	0	0	0	0	0	0	0	25
13:00	0	2	4	6	7	0	0	0	0	0	0	0	0	0	19
14:00	2	2	2	13	8	1	0	0	0	0	0	0	0	0	28
15:00	3	1	3	10	6	3	0	0	0	0	0	0	0	0	26
16:00	4	3	3	9	5	0	0	0	0	0	0	0	0	0	24
17:00	1	2	6	6	11	2	0	0	0	0	0	0	0	0	28
18:00	0	0	1	7	11	2	1	0	0	0	0	0	0	0	22
19:00	2	0	4	5	6	2	1	0	1	0	0	0	0	0	21
20:00	0	2	4	4	3	0	0	0	0	0	0	0	0	0	13
21:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5
23:00	0	1	4	0	3	1	0	0	0	0	0	0	0	0	9
Total	20	20	54	111	112	19	3	0	1	0	0	0	0	0	340

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 223
 Percent in Pace : 65.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Cambridge Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB022
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	3	5	1	0	0	0	0	0	0	0	0	10
07:00	0	1	5	9	6	3	0	0	0	0	0	0	0	0	24
08:00	3	3	7	15	8	2	1	0	0	0	0	0	0	0	39
09:00	3	3	11	12	10	3	0	0	0	0	0	0	0	0	42
10:00	0	2	5	14	13	5	0	0	0	0	0	0	0	0	39
11:00	3	2	9	17	23	5	0	0	0	0	0	0	0	0	59
12 PM	1	4	7	12	21	1	1	0	0	0	0	0	0	0	47
13:00	1	2	10	17	14	0	0	0	0	0	0	0	0	0	44
14:00	4	4	7	22	18	2	0	0	0	0	0	0	0	0	57
15:00	3	4	5	22	10	5	0	0	0	0	0	0	0	0	49
16:00	7	4	9	19	8	0	0	0	0	0	0	0	0	0	47
17:00	1	6	12	15	14	2	0	0	0	0	0	0	0	0	50
18:00	0	3	7	21	20	2	1	0	0	0	0	0	0	0	54
19:00	2	0	8	14	13	3	1	0	1	0	0	0	0	0	42
20:00	0	4	5	12	5	2	0	0	0	0	0	0	0	0	28
21:00	0	2	2	7	5	0	0	0	0	0	0	0	0	0	16
22:00	0	0	2	4	8	1	0	0	0	0	0	0	0	0	15
23:00	0	1	4	0	4	1	0	0	0	0	0	0	0	0	10
Total	29	45	117	237	209	39	4	0	1	0	0	0	0	0	681

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 446
 Percent in Pace : 65.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB018
 Site Code: 105-19044B

Northbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/09/19	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	2	0	1	1	0	2	0	0	0	0	0	0	0	0	6
07:00	0	0	2	4	7	2	1	0	0	0	0	0	0	0	16
08:00	4	0	1	11	13	4	3	0	0	0	0	0	0	0	36
09:00	3	2	3	5	16	4	1	0	0	0	0	0	0	0	34
10:00	3	0	3	14	15	5	1	0	0	0	0	0	0	0	41
11:00	2	0	4	11	15	7	1	0	0	0	0	0	0	0	40
12 PM	0	1	8	12	13	8	1	0	0	0	0	0	0	0	43
13:00	3	0	4	11	15	4	2	0	0	0	0	0	0	0	39
14:00	1	1	2	4	12	6	2	0	0	0	0	0	0	0	28
15:00	1	1	2	6	5	9	0	0	0	0	0	0	0	0	24
16:00	5	2	3	4	14	3	0	0	0	0	0	0	0	0	31
17:00	4	1	2	6	10	4	0	0	0	0	0	0	0	0	27
18:00	1	0	7	14	15	2	0	0	0	0	0	0	0	0	39
19:00	0	0	2	3	3	0	0	0	0	0	0	0	0	0	8
20:00	1	2	1	6	6	0	0	0	0	0	0	0	0	0	16
21:00	0	1	3	4	4	1	1	0	0	0	0	0	0	0	14
22:00	0	0	2	3	8	2	1	0	0	0	0	0	0	0	16
23:00	0	0	2	3	3	2	0	0	0	0	0	0	0	0	10
Total	32	11	52	124	177	66	14	0	0	0	0	0	0	0	476

Daily
 15th Percentile : 22 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 301
 Percent in Pace : 63.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB018
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	1	1	0	2	0	0	0	0	0	0	0	0	5
07:00	1	0	2	2	1	1	0	0	0	0	0	0	0	0	7
08:00	2	0	2	12	3	1	0	0	0	0	0	0	0	0	20
09:00	2	1	4	9	7	0	0	0	0	0	0	0	0	0	23
10:00	0	0	3	16	8	0	1	0	0	0	0	0	0	0	28
11:00	1	1	6	16	8	1	0	0	0	0	0	0	0	0	33
12 PM	2	0	8	15	13	0	1	0	0	0	0	0	0	0	39
13:00	3	3	3	7	4	4	0	0	0	0	0	0	0	0	24
14:00	1	1	7	11	20	2	0	0	0	0	0	0	0	0	42
15:00	2	2	5	13	7	3	0	0	0	0	0	0	0	0	32
16:00	1	0	2	9	11	2	0	0	0	0	0	0	0	0	25
17:00	4	2	5	13	8	3	0	0	0	0	0	0	0	0	35
18:00	1	1	11	12	9	2	0	0	0	0	0	0	0	0	36
19:00	1	3	6	11	5	0	0	0	0	0	0	0	0	0	26
20:00	1	0	3	5	5	0	0	0	0	0	0	0	0	0	14
21:00	0	0	1	4	3	0	0	0	0	0	0	0	0	0	8
22:00	0	0	0	4	2	0	0	0	1	0	0	0	0	0	7
23:00	0	0	2	1	3	2	0	0	0	0	0	0	0	0	8
Total	24	15	72	161	119	23	2	0	1	0	0	0	0	0	417

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 280
 Percent in Pace : 67.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB018
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	1	1	1	1	0	0	0	0	0	0	0	0	4
01:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
02:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	3	0	2	2	0	4	0	0	0	0	0	0	0	0	11
07:00	1	0	4	6	8	3	1	0	0	0	0	0	0	0	23
08:00	6	0	3	23	16	5	3	0	0	0	0	0	0	0	56
09:00	5	3	7	14	23	4	1	0	0	0	0	0	0	0	57
10:00	3	0	6	30	23	5	2	0	0	0	0	0	0	0	69
11:00	3	1	10	27	23	8	1	0	0	0	0	0	0	0	73
12 PM	2	1	16	27	26	8	2	0	0	0	0	0	0	0	82
13:00	6	3	7	18	19	8	2	0	0	0	0	0	0	0	63
14:00	2	2	9	15	32	8	2	0	0	0	0	0	0	0	70
15:00	3	3	7	19	12	12	0	0	0	0	0	0	0	0	56
16:00	6	2	5	13	25	5	0	0	0	0	0	0	0	0	56
17:00	8	3	7	19	18	7	0	0	0	0	0	0	0	0	62
18:00	2	1	18	26	24	4	0	0	0	0	0	0	0	0	75
19:00	1	3	8	14	8	0	0	0	0	0	0	0	0	0	34
20:00	2	2	4	11	11	0	0	0	0	0	0	0	0	0	30
21:00	0	1	4	8	7	1	1	0	0	0	0	0	0	0	22
22:00	0	0	2	7	10	2	1	0	1	0	0	0	0	0	23
23:00	0	0	4	4	6	4	0	0	0	0	0	0	0	0	18
Total	56	26	124	285	296	89	16	0	1	0	0	0	0	0	893

Daily
 15th Percentile : 22 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 581
 Percent in Pace : 65.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Highland Avenue
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB004
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	18			3	17				
12:15		1	24			0	14				
12:30		1	29			1	24				
12:45		0	21	2	92	1	25	5	80	7	172
01:00		0	20			0	11				
01:15		2	15			2	6				
01:30		1	28			0	15				
01:45		0	16	3	79	0	13	2	45	5	124
02:00		0	27			1	12				
02:15		0	16			0	25				
02:30		0	20			0	13				
02:45		0	8	0	71	0	14	1	64	1	135
03:00		1	18			0	9				
03:15		0	11			0	6				
03:30		0	17			0	16				
03:45		0	12	1	58	0	11	0	42	1	100
04:00		1	25			0	11				
04:15		0	13			0	25				
04:30		1	19			1	14				
04:45		0	13	2	70	0	15	1	65	3	135
05:00		1	16			0	23				
05:15		0	22			0	18				
05:30		3	12			0	18				
05:45		3	18	7	68	0	19	0	78	7	146
06:00		0	20			2	10				
06:15		7	17			8	14				
06:30		6	7			5	6				
06:45		11	3	24	47	4	11	19	41	43	88
07:00		8	7			1	10				
07:15		10	9			6	11				
07:30		6	7			3	11				
07:45		17	10	41	33	6	6	16	38	57	71
08:00		16	12			7	7				
08:15		9	6			11	6				
08:30		26	10			9	12				
08:45		24	5	75	33	9	4	36	29	111	62
09:00		24	5			12	9				
09:15		22	5			10	3				
09:30		17	3			10	2				
09:45		33	7	96	20	18	1	50	15	146	35
10:00		22	6			17	6				
10:15		18	10			9	10				
10:30		23	4			16	3				
10:45		27	3	90	23	19	5	61	24	151	47
11:00		30	7			18	3				
11:15		26	3			16	3				
11:30		14	8			14	1				
11:45		27	3	97	21	22	2	70	9	167	30
Total		438	615	438	615	261	530	261	530	699	1145
Combined Total		1053		1053		791		791		1844	
AM Peak	-	10:30	-	-	-	11:00	-	-	-	-	-
Vol.	-	106	-	-	-	70	-	-	-	-	-
P.H.F.	-	0.883	-	-	-	0.795	-	-	-	-	-
PM Peak	-	-	00:15	-	-	-	12:00	-	-	-	-
Vol.	-	-	94	-	-	-	80	-	-	-	-
P.H.F.	-	-	0.810	-	-	-	0.800	-	-	-	-
Percentage		41.6%	58.4%			33.0%	67.0%				
ADT/AADT		ADT 1,844		AADT 1,844							

Counts Unlimited, Inc.

City of Newport Beach
 Linda Lane
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB005
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	7			0	12				
12:15		0	8			2	16				
12:30		0	3			1	9				
12:45		1	4	1	22	1	10	4	47	5	69
01:00		0	0			0	3				
01:15		0	2			0	5				
01:30		0	4			0	8				
01:45		1	5	1	11	1	5	1	21	2	32
02:00		0	5			0	7				
02:15		0	2			0	3				
02:30		0	3			0	8				
02:45		0	3	0	13	0	1	0	19	0	32
03:00		0	8			0	5				
03:15		0	3			0	5				
03:30		0	4			0	9				
03:45		0	7	0	22	0	8	0	27	0	49
04:00		0	2			0	7				
04:15		0	4			0	5				
04:30		0	7			0	14				
04:45		0	4	0	17	0	21	0	47	0	64
05:00		1	2			0	12				
05:15		0	5			0	9				
05:30		0	7			0	3				
05:45		0	6	1	20	0	8	0	32	1	52
06:00		0	6			1	7				
06:15		1	3			0	4				
06:30		1	6			0	6				
06:45		0	2	2	17	1	6	2	23	4	40
07:00		5	4			0	5				
07:15		2	1			3	7				
07:30		6	3			3	6				
07:45		2	3	15	11	2	7	8	25	23	36
08:00		1	5			0	6				
08:15		2	2			3	6				
08:30		2	2			7	2				
08:45		8	0	13	9	4	1	14	15	27	24
09:00		8	2			2	4				
09:15		6	0			4	0				
09:30		4	0			3	3				
09:45		6	2	24	4	10	3	19	10	43	14
10:00		4	0			4	1				
10:15		13	1			16	0				
10:30		2	2			6	2				
10:45		11	1	30	4	11	1	37	4	67	8
11:00		6	0			1	1				
11:15		8	0			6	0				
11:30		0	0			11	2				
11:45		11	1	25	1	6	0	24	3	49	4
Total		112	151	112	151	109	273	109	273	221	424
Combined Total		263		263		382		382		645	
AM Peak	-	10:15	-	-	-	10:00	-	-	-	-	-
Vol.	-	32	-	-	-	37	-	-	-	-	-
P.H.F.	-	0.615	-	-	-	0.578	-	-	-	-	-
PM Peak	-	-	05:15	-	-	-	04:30	-	-	-	-
Vol.	-	-	24	-	-	-	56	-	-	-	-
P.H.F.	-	-	0.750	-	-	-	0.667	-	-	-	-
Percentage		42.6%	57.4%			28.5%	71.5%				
ADT/AADT		ADT 645		AADT 645							

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 E/ Dover Drive
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB006
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		2	27			2	20				
12:15		1	35			5	34				
12:30		3	24			0	33				
12:45		1	21	7	107	0	39	7	126	14	233
01:00		2	20			3	22				
01:15		0	25			0	27				
01:30		0	27			0	19				
01:45		1	26	3	98	1	23	4	91	7	189
02:00		1	30			0	19				
02:15		3	32			4	18				
02:30		0	18			1	20				
02:45		0	26	4	106	1	13	6	70	10	176
03:00		1	25			1	30				
03:15		1	19			1	26				
03:30		1	19			0	27				
03:45		0	29	3	92	0	25	2	108	5	200
04:00		1	17			0	21				
04:15		1	18			0	25				
04:30		1	42			1	23				
04:45		1	23	4	100	1	22	2	91	6	191
05:00		0	44			1	20				
05:15		1	35			3	32				
05:30		1	30			1	22				
05:45		0	25	2	134	3	21	8	95	10	229
06:00		3	22			1	20				
06:15		5	24			11	20				
06:30		6	18			8	19				
06:45		6	13	20	77	11	14	31	73	51	150
07:00		5	17			8	9				
07:15		7	21			19	22				
07:30		8	22			19	13				
07:45		17	11	37	71	21	7	67	51	104	122
08:00		12	12			17	10				
08:15		21	15			27	10				
08:30		19	12			27	9				
08:45		13	5	65	44	26	8	97	37	162	81
09:00		10	8			18	9				
09:15		16	9			31	5				
09:30		15	10			31	11				
09:45		29	10	70	37	28	1	108	26	178	63
10:00		31	9			25	8				
10:15		20	7			38	8				
10:30		27	10			22	6				
10:45		23	6	101	32	27	3	112	25	213	57
11:00		31	9			25	3				
11:15		16	8			24	9				
11:30		20	4			34	4				
11:45		36	6	103	27	27	0	110	16	213	43
Total		419	925	419	925	554	809	554	809	973	1734
Combined Total			1344		1344		1363		1363		2707
AM Peak	-	09:45	-	-	-	09:30	-	-	-	-	-
Vol.	-	107	-	-	-	122	-	-	-	-	-
P.H.F.		0.863				0.803					
PM Peak	-	-	04:30	-	-	-	00:15	-	-	-	-
Vol.	-	-	144	-	-	-	128	-	-	-	-
P.H.F.			0.818				0.821				
Percentage			31.2%		68.8%		40.6%		59.4%		
ADT/AADT			ADT 2,707		AADT 2,707						

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB017
 Site Code: 105-19044B

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
01:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
03:00	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
04:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	1	1	0	3	2	0	0	0	0	0	0	0	0	0	7
06:00	1	1	2	9	4	3	0	0	0	0	0	0	0	0	20
07:00	0	0	3	17	21	4	1	0	0	0	0	0	0	0	46
08:00	0	4	5	26	26	8	1	0	0	0	0	0	0	0	70
09:00	0	3	7	23	34	12	4	0	0	0	0	0	0	0	83
10:00	5	3	9	27	32	10	1	0	0	0	0	0	0	0	87
11:00	2	4	12	21	28	12	2	0	0	0	0	0	0	0	81
12 PM	2	5	8	36	34	7	5	0	0	0	0	0	0	0	97
13:00	2	2	10	22	34	8	3	1	0	0	0	0	0	0	82
14:00	2	3	14	16	19	6	1	0	0	0	0	0	0	0	61
15:00	3	3	16	22	33	7	2	0	0	0	0	0	0	0	86
16:00	7	3	9	27	20	5	1	0	0	0	0	0	0	0	72
17:00	1	11	11	23	20	3	0	0	1	0	0	0	0	0	70
18:00	1	3	16	21	14	10	2	1	0	0	0	0	0	0	68
19:00	0	2	4	10	14	1	2	0	0	0	0	0	0	0	33
20:00	0	1	5	9	5	6	1	0	0	0	0	0	0	0	27
21:00	0	0	6	9	4	5	0	0	0	0	0	0	0	0	24
22:00	0	0	1	5	6	4	1	0	0	0	0	0	0	0	17
23:00	0	1	2	6	5	0	0	0	0	0	0	0	0	0	14
Total	27	50	142	340	360	111	27	3	1	0	0	0	0	0	1061

Daily
 15th Percentile : 22 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 700
 Percent in Pace : 66.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB017
 Site Code: 105-19044B

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	3	1	1	0	0	0	0	0	0	0	0	5
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
04:00	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
05:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
06:00	1	0	3	4	1	1	0	0	0	0	0	0	0	0	10
07:00	1	1	3	11	8	4	1	0	0	0	0	0	0	0	29
08:00	1	1	11	19	17	5	0	0	0	0	0	0	0	0	54
09:00	0	3	3	16	17	1	0	0	0	0	0	0	0	0	40
10:00	4	3	11	32	18	8	0	0	0	0	0	0	0	0	76
11:00	0	4	13	28	25	7	0	0	0	0	0	0	0	0	77
12 PM	1	6	9	34	26	9	1	0	0	0	0	0	0	0	86
13:00	1	2	8	25	29	10	2	0	0	0	0	0	0	0	77
14:00	2	2	13	43	26	2	0	0	0	0	0	0	0	0	88
15:00	1	4	6	25	32	7	0	0	0	0	0	0	0	0	75
16:00	1	0	5	30	26	5	1	0	0	0	0	0	0	0	68
17:00	1	4	14	40	35	9	0	0	0	0	0	0	0	0	103
18:00	0	3	6	28	19	4	0	0	0	0	0	0	0	0	60
19:00	0	2	5	18	18	6	0	0	0	0	0	0	0	0	49
20:00	0	3	2	13	12	3	1	0	0	0	0	0	0	0	34
21:00	0	2	6	13	8	1	0	0	0	0	0	0	0	0	30
22:00	0	1	2	7	15	0	0	0	0	0	0	0	0	0	25
23:00	0	1	3	6	10	5	1	0	0	0	0	0	0	0	26
Total	14	42	125	398	348	89	8	0	0	1	0	0	0	0	1025

Daily
 15th Percentile : 23 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 746
 Percent in Pace : 72.8%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.1%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB017
 Site Code: 105-19044B

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	6	3	1	0	0	0	0	0	0	0	0	10
01:00	0	0	1	2	2	0	0	0	0	0	0	0	0	0	5
02:00	0	0	0	3	4	1	0	0	0	0	0	0	0	0	8
03:00	0	0	1	0	1	0	0	1	0	1	0	0	0	0	4
04:00	0	0	1	2	0	0	1	0	0	0	0	0	0	0	4
05:00	1	1	1	4	3	0	0	0	0	0	0	0	0	0	10
06:00	2	1	5	13	5	4	0	0	0	0	0	0	0	0	30
07:00	1	1	6	28	29	8	2	0	0	0	0	0	0	0	75
08:00	1	5	16	45	43	13	1	0	0	0	0	0	0	0	124
09:00	0	6	10	39	51	13	4	0	0	0	0	0	0	0	123
10:00	9	6	20	59	50	18	1	0	0	0	0	0	0	0	163
11:00	2	8	25	49	53	19	2	0	0	0	0	0	0	0	158
12 PM	3	11	17	70	60	16	6	0	0	0	0	0	0	0	183
13:00	3	4	18	47	63	18	5	1	0	0	0	0	0	0	159
14:00	4	5	27	59	45	8	1	0	0	0	0	0	0	0	149
15:00	4	7	22	47	65	14	2	0	0	0	0	0	0	0	161
16:00	8	3	14	57	46	10	2	0	0	0	0	0	0	0	140
17:00	2	15	25	63	55	12	0	0	1	0	0	0	0	0	173
18:00	1	6	22	49	33	14	2	1	0	0	0	0	0	0	128
19:00	0	4	9	28	32	7	2	0	0	0	0	0	0	0	82
20:00	0	4	7	22	17	9	2	0	0	0	0	0	0	0	61
21:00	0	2	12	22	12	6	0	0	0	0	0	0	0	0	54
22:00	0	1	3	12	21	4	1	0	0	0	0	0	0	0	42
23:00	0	2	5	12	15	5	1	0	0	0	0	0	0	0	40
Total	41	92	267	738	708	200	35	3	1	1	0	0	0	0	2086

Daily
 15th Percentile : 23 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1446
 Percent in Pace : 69.3%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Santiago Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB027
 Site Code: 105-19044B

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	4	3	0	0	0	0	0	0	0	0	0	7
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
03:00	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2
04:00	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
05:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
06:00	2	1	4	8	2	1	0	0	0	0	0	0	0	0	18
07:00	1	0	1	13	7	1	0	0	0	0	0	0	0	0	23
08:00	0	0	7	19	11	1	0	0	0	0	0	0	0	0	38
09:00	2	2	3	10	5	1	1	0	0	0	0	0	0	0	24
10:00	1	2	11	13	18	2	0	0	0	0	0	0	0	0	47
11:00	2	1	7	21	13	2	0	0	0	0	0	0	0	0	46
12 PM	3	1	10	27	13	1	0	0	0	0	0	0	0	0	55
13:00	1	1	5	33	11	8	0	0	0	0	0	0	0	0	59
14:00	0	1	12	29	11	1	1	0	0	0	0	0	0	0	55
15:00	1	3	2	22	13	1	0	0	0	0	0	0	0	0	42
16:00	0	1	10	17	9	1	0	0	0	0	0	0	0	0	38
17:00	1	3	18	45	17	3	0	0	0	0	0	0	0	0	87
18:00	0	1	4	17	12	1	0	0	0	0	0	0	0	0	35
19:00	0	3	6	11	7	0	0	0	0	0	0	0	0	0	27
20:00	0	0	7	11	6	1	0	0	0	0	0	0	0	0	25
21:00	0	1	6	7	4	0	0	0	0	0	0	0	0	0	18
22:00	0	0	4	10	4	0	0	0	0	0	0	0	0	0	18
23:00	0	1	4	7	5	0	0	0	0	0	0	0	0	0	17
Total	15	22	123	327	175	25	3	0	1	0	0	0	0	0	691

Daily
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 502
 Percent in Pace : 72.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Santiago Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB027
 Site Code: 105-19044B

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
01:00	0	2	0	2	1	0	0	0	0	0	0	0	0	0	5
02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
06:00	2	0	3	7	3	0	0	0	0	0	0	0	0	0	15
07:00	0	0	5	13	5	2	1	0	0	0	0	0	0	0	26
08:00	1	0	5	15	9	2	0	0	0	0	0	0	0	0	32
09:00	2	2	5	24	25	4	3	0	0	0	0	0	0	0	65
10:00	1	0	6	20	14	5	0	0	0	0	0	0	0	0	46
11:00	2	1	3	21	16	1	0	0	0	0	0	0	0	0	44
12 PM	3	0	7	27	16	3	1	0	0	0	0	0	0	0	57
13:00	0	0	8	20	22	3	1	0	0	0	0	0	0	0	54
14:00	0	1	12	13	9	4	0	0	0	0	0	0	0	0	39
15:00	1	2	6	16	16	2	1	0	0	0	0	0	0	0	44
16:00	0	0	6	13	9	1	0	0	0	0	0	0	0	0	29
17:00	0	0	9	14	17	1	1	0	0	0	0	0	0	0	42
18:00	0	1	5	16	11	5	0	0	0	0	0	0	0	0	38
19:00	0	0	4	8	7	1	1	0	0	0	0	0	0	0	21
20:00	0	1	3	5	6	2	0	0	0	0	0	0	0	0	17
21:00	0	0	2	2	6	0	0	0	0	0	0	0	0	0	10
22:00	0	0	1	3	3	1	0	0	0	0	0	0	0	0	8
23:00	0	1	1	7	3	0	0	0	0	0	0	0	0	0	12
Total	12	11	93	251	203	37	9	0	0	0	0	0	0	0	616

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 454
 Percent in Pace : 73.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Mariners Drive
 W/ Santiago Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB027
 Site Code: 105-19044B

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	5	5	0	0	0	0	0	0	0	0	0	10
01:00	0	2	0	3	2	0	0	0	0	0	0	0	0	0	7
02:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5
03:00	0	0	2	0	0	0	0	0	1	0	0	0	0	0	3
04:00	0	0	1	2	0	0	1	0	0	0	0	0	0	0	4
05:00	1	0	1	2	3	0	0	0	0	0	0	0	0	0	7
06:00	4	1	7	15	5	1	0	0	0	0	0	0	0	0	33
07:00	1	0	6	26	12	3	1	0	0	0	0	0	0	0	49
08:00	1	0	12	34	20	3	0	0	0	0	0	0	0	0	70
09:00	4	4	8	34	30	5	4	0	0	0	0	0	0	0	89
10:00	2	2	17	33	32	7	0	0	0	0	0	0	0	0	93
11:00	4	2	10	42	29	3	0	0	0	0	0	0	0	0	90
12 PM	6	1	17	54	29	4	1	0	0	0	0	0	0	0	112
13:00	1	1	13	53	33	11	1	0	0	0	0	0	0	0	113
14:00	0	2	24	42	20	5	1	0	0	0	0	0	0	0	94
15:00	2	5	8	38	29	3	1	0	0	0	0	0	0	0	86
16:00	0	1	16	30	18	2	0	0	0	0	0	0	0	0	67
17:00	1	3	27	59	34	4	1	0	0	0	0	0	0	0	129
18:00	0	2	9	33	23	6	0	0	0	0	0	0	0	0	73
19:00	0	3	10	19	14	1	1	0	0	0	0	0	0	0	48
20:00	0	1	10	16	12	3	0	0	0	0	0	0	0	0	42
21:00	0	1	8	9	10	0	0	0	0	0	0	0	0	0	28
22:00	0	0	5	13	7	1	0	0	0	0	0	0	0	0	26
23:00	0	2	5	14	8	0	0	0	0	0	0	0	0	0	29
Total	27	33	216	578	378	62	12	0	1	0	0	0	0	0	1307

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 956
 Percent in Pace : 73.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Nottingham Road
 E/ Warwick Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB020
 Site Code: 105-19044B

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
07:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
08:00	1	0	1	3	3	0	0	0	0	0	0	0	0	0	8
09:00	1	0	2	4	1	1	0	0	0	0	0	0	0	0	9
10:00	0	0	2	2	0	1	0	0	0	0	0	0	0	0	5
11:00	1	0	4	5	5	3	0	0	0	0	0	0	0	0	18
12 PM	0	0	3	2	2	1	0	0	0	0	0	0	0	0	8
13:00	3	4	3	3	4	0	0	0	0	0	0	0	0	0	17
14:00	1	2	3	1	2	1	0	0	0	0	0	0	0	0	10
15:00	5	2	0	3	4	3	0	0	0	0	0	0	0	0	17
16:00	2	0	3	9	1	0	0	0	0	0	0	0	0	0	15
17:00	0	1	4	3	4	0	0	0	0	0	0	0	0	0	12
18:00	2	0	6	6	1	0	0	0	0	0	0	0	0	0	15
19:00	0	2	1	5	1	0	0	0	0	0	0	0	0	0	9
20:00	2	0	1	1	2	1	0	0	0	0	0	0	0	0	7
21:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
22:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
23:00	1	1	1	1	1	0	0	1	0	0	0	0	0	0	6
Total	20	13	36	53	36	11	0	1	0	0	0	0	0	0	170

Daily
 15th Percentile : 17 MPH
 50th Percentile : 26 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 89
 Percent in Pace : 52.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Nottingham Road
 E/ Warwick Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB020
 Site Code: 105-19044B

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	0	2	1	0	0	0	0	0	0	0	0	0	4
08:00	0	1	0	3	3	1	0	0	0	0	0	0	0	0	8
09:00	0	1	2	4	3	3	0	0	0	0	0	0	0	0	13
10:00	0	1	1	3	3	1	0	0	0	0	0	0	0	0	9
11:00	1	3	4	2	5	1	0	0	0	0	0	0	0	0	16
12 PM	3	2	2	6	3	1	0	0	0	0	0	0	0	0	17
13:00	1	1	2	9	0	0	0	0	0	0	0	0	0	0	13
14:00	1	1	0	2	2	1	0	0	0	0	0	0	0	0	7
15:00	2	0	7	2	2	1	0	0	0	0	0	0	0	0	14
16:00	4	2	1	4	2	0	0	0	0	0	0	0	0	0	13
17:00	1	2	2	3	3	0	0	0	0	0	0	0	0	0	11
18:00	1	0	1	3	3	0	0	0	0	0	0	0	0	0	8
19:00	1	0	1	3	1	0	0	0	0	0	0	0	0	0	6
20:00	1	0	1	2	0	1	0	0	0	0	0	0	0	0	5
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
22:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
23:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
Total	16	18	25	55	33	10	0	0	0	0	0	0	0	0	157

Daily
 15th Percentile : 17 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 88
 Percent in Pace : 56.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Nottingham Road
 E/ Warwick Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB020
 Site Code: 105-19044B

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
07:00	1	1	1	2	2	0	0	0	0	0	0	0	0	0	7
08:00	1	1	1	6	6	1	0	0	0	0	0	0	0	0	16
09:00	1	1	4	8	4	4	0	0	0	0	0	0	0	0	22
10:00	0	1	3	5	3	2	0	0	0	0	0	0	0	0	14
11:00	2	3	8	7	10	4	0	0	0	0	0	0	0	0	34
12 PM	3	2	5	8	5	2	0	0	0	0	0	0	0	0	25
13:00	4	5	5	12	4	0	0	0	0	0	0	0	0	0	30
14:00	2	3	3	3	4	2	0	0	0	0	0	0	0	0	17
15:00	7	2	7	5	6	4	0	0	0	0	0	0	0	0	31
16:00	6	2	4	13	3	0	0	0	0	0	0	0	0	0	28
17:00	1	3	6	6	7	0	0	0	0	0	0	0	0	0	23
18:00	3	0	7	9	4	0	0	0	0	0	0	0	0	0	23
19:00	1	2	2	8	2	0	0	0	0	0	0	0	0	0	15
20:00	3	0	2	3	2	2	0	0	0	0	0	0	0	0	12
21:00	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5
22:00	0	1	0	2	3	0	0	0	0	0	0	0	0	0	6
23:00	1	2	1	1	2	0	0	1	0	0	0	0	0	0	8
Total	36	31	61	108	69	21	0	1	0	0	0	0	0	0	327

Daily
 15th Percentile : 17 MPH
 50th Percentile : 26 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 177
 Percent in Pace : 54.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Polaris Drive
 S/ Evening Star Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB025
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	3	6	0	0	0	0	0	0	0	0	0	11
06:00	1	2	9	42	26	10	1	0	0	0	0	0	0	0	91
07:00	0	1	5	10	2	1	0	0	0	0	0	0	0	0	19
08:00	1	1	7	11	10	2	0	0	0	0	0	0	0	0	32
09:00	5	2	14	32	10	3	0	0	0	0	0	0	0	0	66
10:00	2	2	7	13	6	0	0	0	0	0	0	0	0	0	30
11:00	3	0	5	9	9	2	0	0	0	0	0	0	0	0	28
12 PM	2	1	13	20	7	0	0	0	0	0	0	0	0	0	43
13:00	1	5	11	9	5	1	0	0	0	0	0	0	0	0	32
14:00	1	1	9	12	5	1	0	0	0	0	0	0	0	0	29
15:00	1	4	7	8	4	1	0	0	0	0	0	0	0	0	25
16:00	1	5	3	9	6	0	0	0	0	0	0	0	0	0	24
17:00	4	3	7	10	2	0	0	0	0	0	0	0	0	0	26
18:00	0	0	0	4	4	0	0	0	0	0	0	0	0	0	8
19:00	1	6	5	3	0	0	0	0	0	0	0	0	0	0	15
20:00	2	1	1	7	1	0	0	0	0	0	0	0	0	0	12
21:00	1	0	1	2	0	1	0	0	0	0	0	0	0	0	5
22:00	3	0	2	1	1	0	0	0	0	0	0	0	0	0	7
23:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	5
Total	29	36	110	209	105	22	1	0	0	0	0	0	0	0	512

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 319
 Percent in Pace : 62.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Polaris Drive
 S/ Evening Star Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB025
 Site Code: 105-19044B

Southbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
06:00	4	2	1	13	14	3	0	0	0	0	0	0	0	0	37
07:00	0	0	2	6	3	0	0	0	0	0	0	0	0	0	11
08:00	1	0	3	9	14	1	0	0	0	0	0	0	0	0	28
09:00	0	0	5	39	25	6	1	0	0	0	0	0	0	0	76
10:00	0	2	10	21	13	4	1	0	0	0	0	0	0	0	51
11:00	2	0	10	16	16	4	0	0	0	0	0	0	0	0	48
12 PM	2	0	10	23	16	1	0	0	0	0	0	0	0	0	52
13:00	2	1	7	21	11	0	0	0	0	0	0	0	0	0	42
14:00	2	2	10	8	6	0	0	0	0	0	0	0	0	0	28
15:00	2	2	7	7	3	0	0	0	0	0	0	0	0	0	21
16:00	2	2	10	9	1	0	0	0	0	0	0	0	0	0	24
17:00	0	0	8	3	5	0	0	0	0	0	0	0	0	0	16
18:00	3	1	7	3	1	0	0	0	0	0	0	0	0	0	15
19:00	0	1	1	1	2	1	0	0	0	0	0	0	0	0	6
20:00	2	0	1	3	0	0	0	0	0	0	0	0	0	0	6
21:00	0	1	1	4	0	0	0	0	0	0	0	0	0	0	6
22:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
23:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
Total	23	14	95	190	132	20	2	0	0	0	0	0	0	0	476

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 322
 Percent in Pace : 67.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Polaris Drive
 S/ Evening Star Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB025
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	4	7	0	0	0	0	0	0	0	0	0	13
06:00	5	4	10	55	40	13	1	0	0	0	0	0	0	0	128
07:00	0	1	7	16	5	1	0	0	0	0	0	0	0	0	30
08:00	2	1	10	20	24	3	0	0	0	0	0	0	0	0	60
09:00	5	2	19	71	35	9	1	0	0	0	0	0	0	0	142
10:00	2	4	17	34	19	4	1	0	0	0	0	0	0	0	81
11:00	5	0	15	25	25	6	0	0	0	0	0	0	0	0	76
12 PM	4	1	23	43	23	1	0	0	0	0	0	0	0	0	95
13:00	3	6	18	30	16	1	0	0	0	0	0	0	0	0	74
14:00	3	3	19	20	11	1	0	0	0	0	0	0	0	0	57
15:00	3	6	14	15	7	1	0	0	0	0	0	0	0	0	46
16:00	3	7	13	18	7	0	0	0	0	0	0	0	0	0	48
17:00	4	3	15	13	7	0	0	0	0	0	0	0	0	0	42
18:00	3	1	7	7	5	0	0	0	0	0	0	0	0	0	23
19:00	1	7	6	4	2	1	0	0	0	0	0	0	0	0	21
20:00	4	1	2	10	1	0	0	0	0	0	0	0	0	0	18
21:00	1	1	2	6	0	1	0	0	0	0	0	0	0	0	11
22:00	3	0	4	2	1	0	0	0	0	0	0	0	0	0	10
23:00	1	1	2	1	2	0	0	0	0	0	0	0	0	0	7
Total	52	50	205	399	237	42	3	0	0	0	0	0	0	0	988

Daily
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 636
 Percent in Pace : 64.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB010
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4
02:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	1	0	1	0	0	0	0	0	1	0	0	3
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	3	0	1	0	0	0	0	0	0	0	0	4
06:00	1	0	1	13	8	3	1	0	0	0	0	0	0	0	27
07:00	1	0	5	10	9	4	0	0	0	0	0	0	0	0	29
08:00	2	0	7	27	15	3	0	0	0	0	0	0	0	0	54
09:00	3	2	7	42	19	4	2	0	0	0	0	0	0	0	79
10:00	1	1	12	43	21	4	0	0	0	0	0	0	0	0	82
11:00	4	1	4	36	31	2	0	0	0	0	0	0	0	0	78
12 PM	1	2	9	41	30	5	0	0	0	0	0	0	0	0	88
13:00	2	4	12	27	23	4	0	0	0	0	0	0	0	0	72
14:00	1	2	9	25	15	5	2	0	0	0	0	0	0	0	59
15:00	3	1	5	34	15	1	0	0	0	0	0	0	0	0	59
16:00	1	0	12	23	10	5	0	0	0	0	0	0	0	0	51
17:00	1	3	13	21	17	1	1	0	0	0	0	0	0	0	57
18:00	0	2	8	16	8	0	1	0	0	0	0	0	0	0	35
19:00	1	0	3	11	7	1	0	0	0	0	0	0	0	0	23
20:00	0	2	4	11	7	2	0	0	0	0	0	0	0	0	26
21:00	0	3	3	2	6	0	0	0	0	0	0	0	0	0	14
22:00	0	2	3	5	4	1	0	0	0	0	0	0	0	0	15
23:00	0	1	3	2	3	0	0	0	0	0	0	0	0	0	9
Total	22	26	120	399	252	48	7	0	0	0	0	1	0	0	875

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 651
 Percent in Pace : 74.4%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.1%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB010
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	2	1	0	1	0	0	0	0	0	0	0	4
01:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
04:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
06:00	1	0	5	24	15	4	0	0	0	0	0	0	0	0	49
07:00	2	0	8	22	4	2	0	0	0	0	0	0	0	0	38
08:00	4	2	4	19	14	3	0	0	0	0	0	0	0	0	46
09:00	0	1	11	26	18	3	1	0	0	0	0	0	0	0	60
10:00	1	3	5	33	12	1	0	0	0	0	0	0	0	0	55
11:00	2	2	11	31	10	0	0	0	0	0	0	0	0	0	56
12 PM	4	3	14	29	13	1	0	0	0	0	0	0	0	0	64
13:00	0	1	11	24	6	0	0	0	0	0	0	0	0	0	42
14:00	2	2	7	21	11	2	0	0	0	0	0	0	0	0	45
15:00	0	3	9	26	10	2	0	0	0	0	0	0	0	0	50
16:00	1	3	7	26	10	0	0	0	0	0	0	0	0	0	47
17:00	1	2	10	23	7	0	0	0	0	0	0	0	0	0	43
18:00	0	1	4	13	6	0	0	0	0	0	0	0	0	0	24
19:00	0	1	3	10	7	0	0	0	0	0	0	0	0	0	21
20:00	1	4	7	5	7	1	0	0	0	0	0	0	0	0	25
21:00	1	1	0	10	4	1	0	0	0	0	0	0	0	0	17
22:00	1	0	1	10	4	3	0	0	0	0	0	0	0	0	19
23:00	0	0	0	2	0	2	1	0	0	0	0	0	0	0	5
Total	21	29	119	361	162	26	3	0	0	0	0	0	0	0	721

Daily
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 523
 Percent in Pace : 72.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 N/ Holiday Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB010
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	3	3	0	1	0	0	0	0	0	0	0	7
01:00	0	0	1	4	1	1	0	0	0	0	0	0	0	0	7
02:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5
03:00	0	0	0	1	1	2	0	0	0	0	0	1	0	0	5
04:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	1	4	0	1	0	0	0	0	0	0	0	0	6
06:00	2	0	6	37	23	7	1	0	0	0	0	0	0	0	76
07:00	3	0	13	32	13	6	0	0	0	0	0	0	0	0	67
08:00	6	2	11	46	29	6	0	0	0	0	0	0	0	0	100
09:00	3	3	18	68	37	7	3	0	0	0	0	0	0	0	139
10:00	2	4	17	76	33	5	0	0	0	0	0	0	0	0	137
11:00	6	3	15	67	41	2	0	0	0	0	0	0	0	0	134
12 PM	5	5	23	70	43	6	0	0	0	0	0	0	0	0	152
13:00	2	5	23	51	29	4	0	0	0	0	0	0	0	0	114
14:00	3	4	16	46	26	7	2	0	0	0	0	0	0	0	104
15:00	3	4	14	60	25	3	0	0	0	0	0	0	0	0	109
16:00	2	3	19	49	20	5	0	0	0	0	0	0	0	0	98
17:00	2	5	23	44	24	1	1	0	0	0	0	0	0	0	100
18:00	0	3	12	29	14	0	1	0	0	0	0	0	0	0	59
19:00	1	1	6	21	14	1	0	0	0	0	0	0	0	0	44
20:00	1	6	11	16	14	3	0	0	0	0	0	0	0	0	51
21:00	1	4	3	12	10	1	0	0	0	0	0	0	0	0	31
22:00	1	2	4	15	8	4	0	0	0	0	0	0	0	0	34
23:00	0	1	3	4	3	2	1	0	0	0	0	0	0	0	14
Total	43	55	239	760	414	74	10	0	0	0	0	1	0	0	1596

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1174
 Percent in Pace : 73.6%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.1%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB019
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
01:00	0	2	0	0	1	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
06:00	1	0	1	9	10	4	2	0	0	0	0	0	0	0	27
07:00	4	0	1	2	5	3	0	0	0	0	0	0	0	0	15
08:00	5	1	3	15	13	4	0	0	0	0	0	0	0	0	41
09:00	5	2	7	21	28	11	2	2	0	0	0	0	0	0	78
10:00	2	3	3	13	18	11	2	1	0	0	0	0	0	0	53
11:00	3	0	4	9	21	13	3	0	0	0	0	0	0	0	53
12 PM	4	3	7	5	21	16	4	0	0	0	0	0	0	0	60
13:00	2	1	5	15	18	7	4	0	0	0	0	0	0	0	52
14:00	1	1	8	13	6	6	1	1	0	0	0	0	0	0	37
15:00	6	0	6	14	10	7	0	1	0	0	0	0	0	0	44
16:00	5	1	7	18	10	4	1	0	1	0	0	0	0	0	47
17:00	1	1	3	12	14	5	0	0	0	0	0	0	0	0	36
18:00	0	1	5	7	7	0	0	1	0	0	0	0	0	0	21
19:00	1	1	6	4	4	2	0	0	0	0	0	0	0	0	18
20:00	1	0	3	4	8	1	1	0	0	0	0	0	0	0	18
21:00	0	0	1	3	4	0	0	0	0	0	0	0	0	0	8
22:00	0	0	0	1	2	4	0	0	0	0	0	0	0	0	7
23:00	0	0	1	4	2	1	0	0	0	0	0	0	0	0	8
Total	41	18	71	171	205	100	20	6	1	0	0	0	0	0	633

Daily
 15th Percentile : 22 MPH
 50th Percentile : 30 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 376
 Percent in Pace : 59.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB019
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
06:00	0	1	2	19	33	7	2	0	0	0	0	0	0	0	64
07:00	1	2	2	14	6	2	1	0	0	0	0	0	0	0	28
08:00	0	0	5	15	12	4	0	1	0	0	0	0	0	0	37
09:00	4	0	11	26	17	0	0	1	0	0	0	0	0	0	59
10:00	3	1	3	18	14	4	0	0	0	0	0	0	0	0	43
11:00	1	1	3	16	12	3	0	0	0	0	0	0	0	0	36
12 PM	1	1	10	19	13	1	0	0	0	0	0	0	0	0	45
13:00	4	1	11	12	8	0	0	0	0	0	0	0	0	0	36
14:00	0	4	9	10	14	1	1	0	0	0	0	0	0	0	39
15:00	1	4	3	18	10	2	0	0	0	0	0	0	0	0	38
16:00	3	2	8	13	12	1	0	0	0	0	0	0	0	0	39
17:00	0	2	7	18	7	1	0	0	0	0	0	0	0	0	35
18:00	0	0	5	11	2	1	0	0	0	0	0	0	0	0	19
19:00	1	4	4	8	3	0	0	0	0	0	0	0	0	0	20
20:00	1	0	3	3	5	2	0	0	0	0	0	0	0	0	14
21:00	0	1	4	3	3	1	0	0	0	0	0	0	0	0	12
22:00	0	0	0	7	2	1	0	0	0	0	0	0	0	0	10
23:00	0	1	1	3	1	1	0	0	0	0	0	0	0	0	7
Total	20	25	91	239	179	33	4	2	0	0	0	0	0	0	593

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 418
 Percent in Pace : 70.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Estelle Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB019
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	1	0	2	1	1	0	0	0	0	0	0	0	0	5
01:00	0	2	0	1	1	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	4	1	1	0	0	0	0	0	0	0	0	6
06:00	1	1	3	28	43	11	4	0	0	0	0	0	0	0	91
07:00	5	2	3	16	11	5	1	0	0	0	0	0	0	0	43
08:00	5	1	8	30	25	8	0	1	0	0	0	0	0	0	78
09:00	9	2	18	47	45	11	2	3	0	0	0	0	0	0	137
10:00	5	4	6	31	32	15	2	1	0	0	0	0	0	0	96
11:00	4	1	7	25	33	16	3	0	0	0	0	0	0	0	89
12 PM	5	4	17	24	34	17	4	0	0	0	0	0	0	0	105
13:00	6	2	16	27	26	7	4	0	0	0	0	0	0	0	88
14:00	1	5	17	23	20	7	2	1	0	0	0	0	0	0	76
15:00	7	4	9	32	20	9	0	1	0	0	0	0	0	0	82
16:00	8	3	15	31	22	5	1	0	1	0	0	0	0	0	86
17:00	1	3	10	30	21	6	0	0	0	0	0	0	0	0	71
18:00	0	1	10	18	9	1	0	1	0	0	0	0	0	0	40
19:00	2	5	10	12	7	2	0	0	0	0	0	0	0	0	38
20:00	2	0	6	7	13	3	1	0	0	0	0	0	0	0	32
21:00	0	1	5	6	7	1	0	0	0	0	0	0	0	0	20
22:00	0	0	0	8	4	5	0	0	0	0	0	0	0	0	17
23:00	0	1	2	7	3	2	0	0	0	0	0	0	0	0	15
Total	61	43	162	410	384	133	24	8	1	0	0	0	0	0	1226

Daily
 15th Percentile : 22 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Statistics
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 794
 Percent in Pace : 64.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Irvine Avenue
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB001
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		4	42			4	29				
12:15		2	42			4	20				
12:30		3	29			0	35				
12:45		1	22	10	135	1	30	9	114	19	249
01:00		4	39			7	18				
01:15		2	33			2	25				
01:30		1	38			2	20				
01:45		2	32	9	142	0	43	11	106	20	248
02:00		0	37			1	29				
02:15		3	41			1	21				
02:30		0	27			0	19				
02:45		0	30	3	135	0	26	2	95	5	230
03:00		0	35			0	26				
03:15		0	28			0	25				
03:30		2	36			2	27				
03:45		1	24	3	123	0	22	2	100	5	223
04:00		0	25			1	26				
04:15		0	24			1	17				
04:30		2	31			0	17				
04:45		0	31	2	111	2	19	4	79	6	190
05:00		1	40			0	23				
05:15		1	21			2	29				
05:30		1	24			4	18				
05:45		5	24	8	109	6	19	12	89	20	198
06:00		3	24			15	18				
06:15		8	10			17	17				
06:30		7	21			14	14				
06:45		16	15	34	70	18	16	64	65	98	135
07:00		13	15			13	14				
07:15		18	6			15	11				
07:30		17	13			17	12				
07:45		21	17	69	51	25	12	70	49	139	100
08:00		21	19			21	10				
08:15		25	6			25	9				
08:30		22	9			21	6				
08:45		34	4	102	38	27	9	94	34	196	72
09:00		27	10			18	11				
09:15		37	5			32	13				
09:30		32	7			19	6				
09:45		32	8	128	30	35	15	104	45	232	75
10:00		33	7			32	6				
10:15		30	10			20	12				
10:30		49	3			24	3				
10:45		42	1	154	21	28	3	104	24	258	45
11:00		36	6			33	3				
11:15		42	3			32	3				
11:30		49	7			17	2				
11:45		41	3	168	19	29	3	111	11	279	30
Total		690	984	690	984	587	811	587	811	1277	1795
Combined Total		1674		1674		1398		1398		3072	
AM Peak	-	10:30	-	-	-	09:15	-	-	-	-	-
Vol.	-	169	-	-	-	118	-	-	-	-	-
P.H.F.	-	0.862	-	-	-	0.843	-	-	-	-	-
PM Peak	-	-	01:30	-	-	-	01:15	-	-	-	-
Vol.	-	-	148	-	-	-	117	-	-	-	-
P.H.F.	-	-	0.902	-	-	-	0.680	-	-	-	-
Percentage		41.2%	58.8%			42.0%	58.0%				
ADT/AADT		ADT 3,072		AADT 3,072							

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB023
 Site Code: 105-19044B

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
06:00	0	0	1	1	2	1	0	0	1	0	0	0	0	0	6
07:00	0	0	0	1	6	2	1	0	0	0	0	0	0	0	10
08:00	0	0	1	1	5	2	0	0	0	0	0	0	0	0	9
09:00	1	2	3	1	14	5	2	0	1	0	0	0	0	0	29
10:00	3	1	1	4	7	7	0	0	0	0	0	0	0	0	23
11:00	0	1	0	5	12	6	2	0	0	0	0	0	0	0	26
12 PM	0	0	1	6	15	7	2	0	0	0	0	0	0	0	31
13:00	1	1	4	8	13	11	3	0	0	0	0	0	0	0	41
14:00	0	0	1	9	19	3	2	0	0	0	0	0	0	0	34
15:00	0	0	3	4	8	5	3	1	0	0	0	0	0	0	24
16:00	0	0	3	11	11	8	1	0	0	0	0	0	0	0	34
17:00	2	0	2	6	7	3	4	0	0	0	0	0	0	0	24
18:00	2	1	3	6	11	2	2	1	0	0	0	0	0	0	28
19:00	0	0	3	7	3	0	0	1	0	0	0	0	0	0	14
20:00	0	1	0	5	3	2	0	0	0	0	0	0	0	0	11
21:00	0	1	1	7	3	1	1	0	0	0	0	0	0	0	14
22:00	0	0	1	2	1	2	0	1	0	0	0	0	0	0	7
23:00	0	0	0	1	3	0	1	0	0	0	0	0	0	0	5
Total	9	9	29	86	144	68	24	5	2	0	0	0	0	0	376

Daily
 15th Percentile : 25 MPH
 50th Percentile : 31 MPH
 85th Percentile : 38 MPH
 95th Percentile : 42 MPH

Statistics
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 230
 Percent in Pace : 61.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB023
 Site Code: 105-19044B

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	3	1	0	0	0	0	0	0	0	0	5
06:00	0	0	0	2	0	2	1	0	0	0	0	0	0	0	5
07:00	0	0	1	3	1	5	0	0	0	0	0	0	0	0	10
08:00	0	0	0	3	14	11	3	0	0	0	0	0	0	0	31
09:00	1	0	1	5	14	10	0	0	0	0	0	0	0	0	31
10:00	1	0	0	4	12	9	3	0	0	0	0	0	0	0	29
11:00	0	0	1	5	10	11	1	0	0	0	0	0	0	0	28
12 PM	0	2	2	3	10	6	2	0	0	0	0	0	0	0	25
13:00	1	1	1	3	9	9	1	0	1	0	0	0	0	0	26
14:00	1	0	3	7	10	9	2	0	0	0	0	0	0	0	32
15:00	1	0	2	7	6	6	0	1	0	0	0	0	0	0	23
16:00	0	0	2	6	13	5	2	0	0	0	0	0	0	0	28
17:00	2	1	5	8	10	7	0	0	0	0	0	0	0	0	33
18:00	2	0	2	8	10	0	1	0	1	0	0	0	0	0	24
19:00	2	1	1	2	6	1	0	0	0	0	0	0	0	0	13
20:00	0	0	3	2	3	2	0	0	0	0	0	0	0	0	10
21:00	0	1	0	1	3	2	0	0	1	0	0	0	0	0	8
22:00	1	0	0	4	4	0	0	0	0	0	0	0	0	0	9
23:00	0	0	1	0	3	0	1	0	0	0	0	0	0	0	5
Total	13	6	25	73	142	97	17	1	3	0	0	0	0	0	377

Daily
 15th Percentile : 25 MPH
 50th Percentile : 32 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

Statistics
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 239
 Percent in Pace : 63.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Santiago Drive
 S/ Nottingham Road
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB023
 Site Code: 105-19044B

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:00	1	0	0	0	3	1	0	1	0	0	0	0	0	0	6
06:00	0	0	1	3	2	3	1	0	1	0	0	0	0	0	11
07:00	0	0	1	4	7	7	1	0	0	0	0	0	0	0	20
08:00	0	0	1	4	19	13	3	0	0	0	0	0	0	0	40
09:00	2	2	4	6	28	15	2	0	1	0	0	0	0	0	60
10:00	4	1	1	8	19	16	3	0	0	0	0	0	0	0	52
11:00	0	1	1	10	22	17	3	0	0	0	0	0	0	0	54
12 PM	0	2	3	9	25	13	4	0	0	0	0	0	0	0	56
13:00	2	2	5	11	22	20	4	0	1	0	0	0	0	0	67
14:00	1	0	4	16	29	12	4	0	0	0	0	0	0	0	66
15:00	1	0	5	11	14	11	3	2	0	0	0	0	0	0	47
16:00	0	0	5	17	24	13	3	0	0	0	0	0	0	0	62
17:00	4	1	7	14	17	10	4	0	0	0	0	0	0	0	57
18:00	4	1	5	14	21	2	3	1	1	0	0	0	0	0	52
19:00	2	1	4	9	9	1	0	1	0	0	0	0	0	0	27
20:00	0	1	3	7	6	4	0	0	0	0	0	0	0	0	21
21:00	0	2	1	8	6	3	1	0	1	0	0	0	0	0	22
22:00	1	0	1	6	5	2	0	1	0	0	0	0	0	0	16
23:00	0	0	1	1	6	0	2	0	0	0	0	0	0	0	10
Total	22	15	54	159	286	165	41	6	5	0	0	0	0	0	753

Daily
 15th Percentile : 25 MPH
 50th Percentile : 32 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

Statistics
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 451
 Percent in Pace : 59.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Tradewinds Lane
 E/ Shipway Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB012
 Site Code: 105-19044B

Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/09/19	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	0	4	3	0	0	0	0	0	0	0	0	0	7
08:00	3	0	2	6	2	1	0	0	0	0	0	0	0	0	14
09:00	2	2	3	6	3	1	0	0	0	0	0	0	0	0	17
10:00	3	0	3	7	6	2	0	0	0	0	0	0	0	0	21
11:00	5	0	3	12	9	0	3	0	0	0	0	0	0	0	32
12 PM	0	0	4	8	9	4	0	0	0	0	0	0	0	0	25
13:00	3	0	2	9	11	3	0	0	0	0	0	0	0	0	28
14:00	1	1	5	15	2	3	0	0	0	0	0	0	0	0	27
15:00	2	1	2	14	7	1	0	1	0	0	0	0	0	0	28
16:00	2	3	5	8	11	2	0	0	0	0	0	0	0	0	31
17:00	2	1	4	9	4	0	0	0	0	0	0	0	0	0	20
18:00	0	2	6	6	3	0	0	0	0	0	0	0	0	0	17
19:00	0	0	6	6	2	1	0	0	0	0	0	0	0	0	15
20:00	0	0	3	8	4	0	0	0	0	0	0	0	0	0	15
21:00	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
23:00	2	1	2	4	0	0	0	0	0	0	0	0	0	0	9
Total	26	11	57	128	78	18	3	1	0	0	0	0	0	0	322

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 206
 Percent in Pace : 64.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Tradewinds Lane
 E/ Shipway Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB012
 Site Code: 105-19044B

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	1	0	4	3	2	0	0	0	0	0	0	0	0	0	10
01:00	2	0	2	3	0	0	0	0	0	0	0	0	0	0	7
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	1	0	5	0	1	0	0	0	0	0	0	0	0	0	7
07:00	1	1	3	2	1	1	0	0	0	0	0	0	0	0	9
08:00	5	1	3	8	4	0	0	0	0	0	0	0	0	0	21
09:00	4	2	8	6	1	3	0	0	0	0	0	0	0	0	24
10:00	3	1	6	8	8	4	0	0	0	0	0	0	0	0	30
11:00	1	3	10	11	5	1	0	0	0	0	0	0	0	0	31
12 PM	1	3	4	8	4	0	0	0	0	0	0	0	0	0	20
13:00	7	0	5	15	7	1	0	0	0	0	0	0	0	0	35
14:00	5	2	9	9	3	0	0	0	0	0	0	0	0	0	28
15:00	4	2	5	7	7	1	0	0	0	0	0	0	0	0	26
16:00	2	1	7	10	6	2	0	0	0	0	0	0	0	0	28
17:00	5	5	7	5	5	1	0	0	0	0	0	0	0	0	28
18:00	0	2	4	5	5	0	0	0	0	0	0	0	0	0	16
19:00	0	0	1	6	2	0	0	0	0	0	0	0	0	0	9
20:00	2	0	2	4	2	0	1	0	0	0	0	0	0	0	11
21:00	2	1	3	5	1	1	0	0	0	0	0	0	0	0	13
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
Total	47	24	89	118	67	15	1	0	0	0	0	0	0	0	361

Daily
 15th Percentile : 16 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 207
 Percent in Pace : 57.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Tradewinds Lane
 E/ Shipway Lane
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB012
 Site Code: 105-19044B

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	2	0	5	4	2	0	0	0	0	0	0	0	0	0	13
01:00	2	0	2	4	0	0	0	0	0	0	0	0	0	0	8
02:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	1	0	5	1	1	0	0	0	0	0	0	0	0	0	8
07:00	1	1	3	6	4	1	0	0	0	0	0	0	0	0	16
08:00	8	1	5	14	6	1	0	0	0	0	0	0	0	0	35
09:00	6	4	11	12	4	4	0	0	0	0	0	0	0	0	41
10:00	6	1	9	15	14	6	0	0	0	0	0	0	0	0	51
11:00	6	3	13	23	14	1	3	0	0	0	0	0	0	0	63
12 PM	1	3	8	16	13	4	0	0	0	0	0	0	0	0	45
13:00	10	0	7	24	18	4	0	0	0	0	0	0	0	0	63
14:00	6	3	14	24	5	3	0	0	0	0	0	0	0	0	55
15:00	6	3	7	21	14	2	0	1	0	0	0	0	0	0	54
16:00	4	4	12	18	17	4	0	0	0	0	0	0	0	0	59
17:00	7	6	11	14	9	1	0	0	0	0	0	0	0	0	48
18:00	0	4	10	11	8	0	0	0	0	0	0	0	0	0	33
19:00	0	0	7	12	4	1	0	0	0	0	0	0	0	0	24
20:00	2	0	5	12	6	0	1	0	0	0	0	0	0	0	26
21:00	2	1	5	8	1	1	0	0	0	0	0	0	0	0	18
22:00	1	0	2	0	1	0	0	0	0	0	0	0	0	0	4
23:00	2	1	2	6	1	0	0	0	0	0	0	0	0	0	12
Total	73	35	146	246	145	33	4	1	0	0	0	0	0	0	683

Daily
 15th Percentile : 19 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 392
 Percent in Pace : 57.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Dover Drive
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB008
 Site Code: 105-19044B

Start Time	3/9/2019 Sat	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		2	39			0	32				
12:15		4	34			2	41				
12:30		0	34			1	34				
12:45		3	33	9	140	0	28	3	135	12	275
01:00		2	35			0	21				
01:15		1	36			1	21				
01:30		0	22			0	34				
01:45		0	34	3	127	0	32	1	108	4	235
02:00		1	29			2	32				
02:15		0	29			0	28				
02:30		0	32			1	21				
02:45		1	27	2	117	0	32	3	113	5	230
03:00		0	20			0	13				
03:15		0	26			0	20				
03:30		0	26			0	28				
03:45		1	24	1	96	0	19	0	80	1	176
04:00		0	21			1	14				
04:15		0	18			0	23				
04:30		1	23			1	24				
04:45		1	23	2	85	1	22	3	83	5	168
05:00		0	34			1	30				
05:15		5	29			3	26				
05:30		2	25			2	34				
05:45		17	33	24	121	7	24	13	114	37	235
06:00		29	23			7	20				
06:15		31	32			16	27				
06:30		21	12			12	26				
06:45		17	18	98	85	15	19	50	92	148	177
07:00		11	18			11	15				
07:15		9	14			12	12				
07:30		7	12			8	19				
07:45		15	18	42	62	12	4	43	50	85	112
08:00		12	15			28	10				
08:15		11	15			20	12				
08:30		24	8			20	8				
08:45		18	11	65	49	37	8	105	38	170	87
09:00		23	7			41	7				
09:15		34	10			26	3				
09:30		26	11			41	5				
09:45		31	4	114	32	45	5	153	20	267	52
10:00		22	10			26	5				
10:15		17	10			37	7				
10:30		25	0			24	4				
10:45		35	8	99	28	40	2	127	18	226	46
11:00		25	3			30	7				
11:15		17	4			46	3				
11:30		27	3			30	4				
11:45		33	2	102	12	23	3	129	17	231	29
Total		561	954	561	954	630	868	630	868	1191	1822
Combined Total		1515		1515		1498		1498		3013	
AM Peak	-	09:00	-	-	-	09:00	-	-	-	-	-
Vol.	-	114	-	-	-	153	-	-	-	-	-
P.H.F.	-	0.838	-	-	-	0.850	-	-	-	-	-
PM Peak	-	-	12:00	-	-	-	12:00	-	-	-	-
Vol.	-	-	140	-	-	-	135	-	-	-	-
P.H.F.	-	-	0.897	-	-	-	0.823	-	-	-	-
Percentage		37.0%	63.0%			42.1%	57.9%				
ADT/AADT		ADT 3,013		AADT 3,013							

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB024
 Site Code: 105-19044B

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	1	0	2	0	0	0	1	0	0	0	0	0	0	4
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	7	7	0	0	0	0	0	0	0	0	0	15
06:00	1	0	9	41	31	11	0	0	0	0	0	0	0	0	93
07:00	3	0	7	13	8	0	0	0	0	0	0	0	0	0	31
08:00	0	1	6	20	11	2	0	0	0	0	0	0	0	0	40
09:00	3	3	14	46	19	4	0	0	0	0	0	0	0	0	89
10:00	5	4	8	27	18	0	0	0	0	0	0	0	0	0	62
11:00	4	0	12	33	15	0	0	0	0	0	0	0	0	0	64
12 PM	4	2	16	40	20	2	0	0	0	0	0	0	0	0	84
13:00	4	2	25	45	11	0	0	0	0	0	0	0	0	0	87
14:00	1	3	11	38	14	1	0	0	0	0	0	0	0	0	68
15:00	0	5	11	34	10	0	0	0	0	0	0	0	0	0	60
16:00	2	2	20	28	11	0	0	0	0	0	0	0	0	0	63
17:00	1	0	12	34	17	1	0	0	0	0	0	0	0	0	65
18:00	0	3	3	34	8	1	0	0	0	0	0	0	0	0	49
19:00	2	1	6	19	2	1	0	0	0	0	0	0	0	0	31
20:00	1	1	6	13	5	1	0	0	0	0	0	0	0	0	27
21:00	0	0	10	9	4	1	0	0	0	0	0	0	0	0	24
22:00	0	2	3	7	7	0	0	0	0	0	0	0	0	0	19
23:00	0	0	3	4	2	1	0	0	0	0	0	0	0	0	10
Total	32	30	182	497	223	26	0	1	0	0	0	0	0	0	991

Daily
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 720
 Percent in Pace : 72.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB024
 Site Code: 105-19044B

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	2	3	2	0	0	0	0	0	0	0	0	0	8
06:00	0	0	23	15	4	0	0	0	0	0	0	0	0	0	42
07:00	2	1	6	13	1	0	0	0	0	0	0	0	0	0	23
08:00	1	1	22	32	7	1	0	0	0	0	0	0	0	0	64
09:00	2	1	43	55	8	3	0	0	0	0	0	0	0	0	112
10:00	4	7	33	30	9	1	0	0	0	0	0	0	0	0	84
11:00	4	5	26	39	9	0	0	0	0	0	0	0	0	0	83
12 PM	5	6	27	41	12	0	0	0	0	0	0	0	0	0	91
13:00	1	1	28	33	6	1	0	0	0	0	0	0	0	0	70
14:00	4	6	18	34	6	0	1	0	0	0	0	0	0	0	69
15:00	1	5	17	23	5	1	0	0	0	0	0	0	0	0	52
16:00	0	2	27	18	4	2	0	0	0	0	0	0	0	0	53
17:00	0	8	33	24	6	0	0	0	0	0	0	0	0	0	71
18:00	0	5	20	20	5	2	0	0	0	0	0	0	0	0	52
19:00	4	2	6	14	1	0	0	0	0	0	0	0	0	0	27
20:00	1	0	6	11	3	0	0	0	0	0	0	0	0	0	21
21:00	0	0	7	5	3	0	0	0	0	0	0	0	0	0	15
22:00	0	1	5	7	0	0	0	0	0	0	0	0	0	0	13
23:00	0	0	4	2	3	0	0	0	0	0	0	0	0	0	9
Total	29	52	354	422	94	11	1	0	0	0	0	0	0	0	963

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 776
 Percent in Pace : 80.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Westcliff Drive
 E/ Highland Drive
 24 Hour Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB024
 Site Code: 105-19044B

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
03/09/19	0	1	0	3	0	0	0	1	0	0	0	0	0	0	5
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	1	1	2	10	9	0	0	0	0	0	0	0	0	0	23
06:00	1	0	32	56	35	11	0	0	0	0	0	0	0	0	135
07:00	5	1	13	26	9	0	0	0	0	0	0	0	0	0	54
08:00	1	2	28	52	18	3	0	0	0	0	0	0	0	0	104
09:00	5	4	57	101	27	7	0	0	0	0	0	0	0	0	201
10:00	9	11	41	57	27	1	0	0	0	0	0	0	0	0	146
11:00	8	5	38	72	24	0	0	0	0	0	0	0	0	0	147
12 PM	9	8	43	81	32	2	0	0	0	0	0	0	0	0	175
13:00	5	3	53	78	17	1	0	0	0	0	0	0	0	0	157
14:00	5	9	29	72	20	1	1	0	0	0	0	0	0	0	137
15:00	1	10	28	57	15	1	0	0	0	0	0	0	0	0	112
16:00	2	4	47	46	15	2	0	0	0	0	0	0	0	0	116
17:00	1	8	45	58	23	1	0	0	0	0	0	0	0	0	136
18:00	0	8	23	54	13	3	0	0	0	0	0	0	0	0	101
19:00	6	3	12	33	3	1	0	0	0	0	0	0	0	0	58
20:00	2	1	12	24	8	1	0	0	0	0	0	0	0	0	48
21:00	0	0	17	14	7	1	0	0	0	0	0	0	0	0	39
22:00	0	3	8	14	7	0	0	0	0	0	0	0	0	0	32
23:00	0	0	7	6	5	1	0	0	0	0	0	0	0	0	19
Total	61	82	536	919	317	37	1	1	0	0	0	0	0	0	1954

Daily
 15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1455
 Percent in Pace : 74.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Newport Beach
 Whitecliffs Drive
 E/ Star Lane
 24 Hour Directional Volume Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

NPB009
 Site Code: 105-19044

Start Time	3/9/2019 Sat	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	15			0	19				
12:15		0	11			0	18				
12:30		0	6			0	7				
12:45		1	8	1	40	1	13	1	57	2	97
01:00		0	5			0	8				
01:15		0	5			0	2				
01:30		0	2			0	20				
01:45		0	3	0	15	0	2	0	32	0	47
02:00		0	5			1	4				
02:15		0	5			0	5				
02:30		0	4			0	4				
02:45		0	2	0	16	0	3	1	16	1	32
03:00		0	1			0	3				
03:15		0	2			0	3				
03:30		0	8			0	6				
03:45		0	2	0	13	0	6	0	18	0	31
04:00		0	2			0	2				
04:15		0	2			0	3				
04:30		0	0			0	0				
04:45		0	3	0	7	0	5	0	10	0	17
05:00		0	3			0	1				
05:15		2	2			0	1				
05:30		3	2			0	1				
05:45		13	0	18	7	2	0	2	3	20	10
06:00		38	1			5	1				
06:15		71	0			19	1				
06:30		24	0			8	1				
06:45		36	0	169	1	10	0	42	3	211	4
07:00		8	0			1	0				
07:15		6	0			1	0				
07:30		5	0			0	0				
07:45		5	0	24	0	1	0	3	0	27	0
08:00		12	4			8	1				
08:15		12	1			2	0				
08:30		18	0			6	0				
08:45		19	0	61	5	17	1	33	2	94	7
09:00		22	0			26	0				
09:15		28	0			15	0				
09:30		26	0			33	1				
09:45		17	1	93	1	19	0	93	1	186	2
10:00		13	0			12	0				
10:15		7	1			9	0				
10:30		5	1			7	1				
10:45		17	0	42	2	19	0	47	1	89	3
11:00		12	1			13	1				
11:15		3	0			11	1				
11:30		5	0			7	0				
11:45		5	0	25	1	8	0	39	2	64	3
Total		433	108	433	108	261	145	261	145	694	253
Combined Total		541		541		406		406		947	
AM Peak	-	06:00	-	-	-	09:00	-	-	-	-	-
Vol.	-	169	-	-	-	93	-	-	-	-	-
P.H.F.	-	0.595	-	-	-	0.705	-	-	-	-	-
PM Peak	-	-	12:00	-	-	-	12:00	-	-	-	-
Vol.	-	-	40	-	-	-	57	-	-	-	-
P.H.F.	-	-	0.667	-	-	-	0.750	-	-	-	-
Percentage		80.0%	20.0%			64.3%	35.7%				
ADT/AADT		ADT 947		AADT 947							